

PROSPECTUS

2004



Bahauddin Zakariya University
Multan - Pakistan

Price: Rs. 200/-

Every effort has been made to ensure the accuracy of information contained in this Prospectus, but the University can accept no responsibility for errors or omission. This Prospectus is informational and should not be taken as binding on the university. The University reserves the right in every case at its discretion and for any reason to introduce changes to the information given including the addition withdrawal or restructuring of courses, rules, policies, fees, or other matters.

The prospectus is issued on the express condition that it shall not form part of any contract between the University and any student.

Admission to the University is subject to the requirement that the student will comply with the University's registration procedures and will duly observe that Character, Statutes, Ordinance and Regulations of the University.

The Prospectus has been published by the Prospectus Committee appointed by University Authorities.

Chairman Admission Committee
Prof. Dr. G. R. Pasha

Prospectus Committee

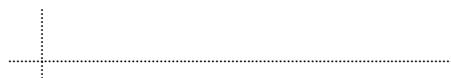
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|--|----------|---|-----------|
| Prof. Dr. G. R. Pasha Dean: Faculty of Science & Agriculture | Chairman | Prof. Dr. Mushtaq Ahmad Saleem Principal University College of Agriculture | Member |
| Prof. Dr. Muhammad Zafarullah Dean: Faculty of Commerce, Law & Business Administration | Convener | Mr. Zulfiqar Ali Bhatti Superintendent: University Printing Press | Member |
| Prof. Dr. Shah Nawaz Malik Dean: Faculty of Arts & Social Sciences | Member | Mr. Aleem Shakir Lecturer, Deptt of English | Member |
| Prof. Dr. Zahoor Ahmad Sheikh Director Undergraduate Studies | Member | Mr. Aziz-ur-Rehman Deputy Treasurer | Member |
| | | Administrative Officer (Registration) | Secretary |

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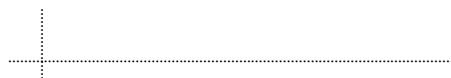


Message From The Chancellor





Message From The Vice-Chancellor



Organizational Set-up**Bahauddin Zakariya University**

Chancellor

Let. Gen. (Retd) Khalid Maqbool

Governor, Punjab

Off: 9200011-12

Vice-Chancellor

Prof. Dr. Karamat Ali

Off: 9210069

Res: 522633, 9210121

Deans

Prof. Dr. G. R. Pasha

Faculty of Science & Agriculture

Off: 9210087 Ext/2201

Res: 520795

Prof. Dr. Anwar Ahmad

Faculty of Islamic Studies & Languages

Off: 9210108 Ext/3301

Res: 523635

Prof. Dr. Mahboob-e-Rabbani

Faculty of Pharmacy

Off: 9210084

Res: 545624

Prof. Dr. Muhammad Zafarullah

Faculty of Commerce, Law &

Business Administration

Off: 9210058

Res: 9210088

Prof. Dr. Shahnawaz Malik

Faculty of Arts & Social Sciences

Off: 9210052

Res: 745543

Prof. Dr. Akhtar Ali Malik

Faculty of Engineering & Technology

Off: 9210051

Res: 532111

Registrar

Khurshid Ahmad Khan

Off: 9210097, 9210124

Res: 543888, 514416

Mob.: 0300-6332098

Controller of Examinations

Waqar Ahmed Qureshi

Off: 9210079 Ext/1201

Res: 515136

Treasurer

Dr. Mahmood Ahmad

Off: 9210057 Ext/1301

Res: 524250

Resident Auditor

Muhammad Akram

Off: 9210120 Ext/1329

Res: 224393

Resident Officer

Dr. Muhammad Ali

Off: 9210106 Ext/1501

Res: 224849

Director, Students Affairs &

Incharge Foreign Students

Prof. Dr. Abdul Rauf Sheikh

Off: 9210117 Ext/1704

Deputy Director, Students Affairs

Nazim Hussain

Off: 9210080

Res: 521185

Mob.: 0300-6307110

Chairman Hall Council

Prof. Dr. Shahnawaz Malik

Faculty of Arts & Social Sciences

Off: 9210052

Res: 745543

Warden, Boys Hostels

Abu Bakar, Umer and Usman Halls

Dr. Muhammad Aslam Shad

Department of Chemistry

Off: 9210115

Res: 221155

Warden Boys Hostel Hamzah Hall

Prof. Dr. Mustaq Ahmad Saleem

Principal, University College of Agriculture

Off: 9210080

Res: 524908

Warden Boys Hostel Ali Hall

Prof. Dr. Akhtar Ali Malik

Dean, Faculty of Engineering & Technology

Off: 9210051

Res: 532111

Director Saraiki Research Centre

Prof. Dr. Anwar Ahmad

Off: 9210108 Ext/1421

Res: 523635

Warden Girls Hostels

Dr. (Mrs.) Zahida Tasawar

Institute of Pure & Applied Biology

Off: 9210111 Ext/1601

Res: /1601

Senior Medical Officers

i) **Dr. Aftab Shabbir Warraich**

Ext/1421

Res: 220269

ii) **Dr. Samina Waseem**

Res: 223131

Incharge Computer Cell

Sh. Mumtaz Ahmad

Ext/1107

Res: 542990

Director (P&D)

Muhammad Shafiq Ch.

Off: 9210102

Res: 523239

Engineering Wing

Project Director

Muhammad Sarfraz Ahmad Chaudhry

Off: 9210122

Ext/1401

Librarian

Ch. Maqbool Ahmad

Off: 9210127 Ext/1901

Res: 220697

Incharge, Sports & Games

Khurshid Ahmad Khan

Off: 9210097, 9210124

Res: 543888, 514416

Mob.: 0300-6332098

Public Relations Officer

Khurshid Ahmad Khan

Off: 9210097, 9210124

Res: 543888, 514416

Mob.: 0300-6332098

Incharge Land Scaping/Aroboriculture

Dr. D. M. Zahid Khan

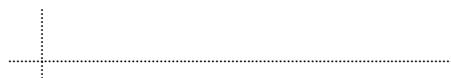
Associate Professor of Agriculture (Forestry)

Res: 223756

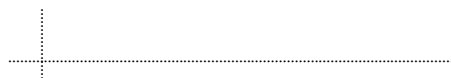
Mob.: 0300-6385229

Heads of Academic Departments

- * Department of Economics
Prof. Dr. Tauseef Aziz
Off: 9210054 Ext/3101
Res: 221943
- * Department of Education
Prof. Dr. Ahmad Farooq Mash-hadi
Off: 9210076 Ext/3201
Res: 221940
- * Department of History
Dr. (Mrs.) Humaira Arif Dasti
Off: 9210130 Ext/3601
Res: 221944
- * Department of Pakistan Studies
Dr. (Mrs.) Azra Asghar Ali
Off: 9210086 Ext/3601
Res: 224880
- * Department of Political Science
and International Affairs
Prof. Dr. Khawaja Alquma
Off: 9210096 Ext/3701
Res: 522440
- * Department of Mass Communication
Dr. Karim Malik
Off: 9210095 Ext/3801
Res: 9210094
- * Institute of Pure & Applied Biology
Prof. Dr. Abdus Salam
Off: 9210053 Ext/2501
Res: 521753
- * Department of Chemistry
Prof. Dr. Shahida Begum Niazi
Off: 9210093 Ext/2401
Res: 230202
- * University College of Agriculture
Prof. Dr. Mushtaq Ahmad Saleem
Off: 9210080
Res: 524908
- * University College of Engg. & Technolgy
Prof. Dr. Mahbob Ali Ch.
Off: 9210081
- * Department of Electrical Engineering
Prof. Dr. Abdul Shakoor Nizamani
Off: 9210169
- * Department of Civil Engineering
Mr. Kamran Ali Qureshi
Off: 9210051
Res: 521511
- * Department of Arabic
Prof. Dr. Muhammad Hasnain Naqvi
Off: 224415 Ext/4009
Res: 223970
- * Department of Islamic Studies
Prof. Dr. Noor-ud-Din Jami
Off: 9210109 Ext/4009
Res: 222956
- * Department of English
Prof. Dr. Zafar Iqbal
Off: 9210060 Ext/3401
Res: 225077
- * Department of Urdu
Prof. Dr. (Mrs.) Rubina Tareen
Off: 9210055 Ext/3301
Res: 221960
- * Institute of Management Sciences
Prof. Dr. M. Zafarullah
Off: 9210058 Ext/3001
Res: 9210088
- * Department of Commerce
Dr. Muhammad Hanif Akhtar
Off: 9210128 Ext/3121
Res: 224990
- * Centre for Advanced Studies in Pure
& applied Mathematics
Prof. Dr. Nazir Ahmad Mir
Off: 9210115 Ext/2101
Res: 221155
- * Department of Computer Science
Prof. Dr. Aman Ullah Khan
Off: 9210134 Ext/2001
Res: 220622
- * Department of Physics
Prof. Dr. Tahir Abbas
Off: 9210091 Ext/2301
Res: 221951
- * Department of Statistics
Prof. Dr. G. R. Pasha
Off: 9210087 Ext/2201
Res: 520795
- * University Gilani Law College
Prof. Dr. Abdur Rashid
Off: 9200718
Res: 220922 Ext/1730
- * Multan College of Arts
Mr. Zafar H. Gilani
Off: 522634
Res: 547324
- * Department of Pharmacy
Prof. Dr. Abdul Subhan Ijaz
Off: 9210089 Ext/2601
Res: 221752
- * Undergraduate Studies
Prof. Dr. Zahoor Ahmad Sheikh
Off: 9210090 Ext/1901
Res: 524999
- * University College of Textile Engineering
Prof. Dr. Mahboob Ali
Off: 9210081

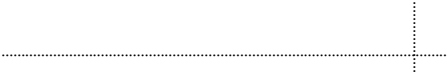














Placement Bureau

Placement Bureau

The Bureau, functioning under a senior teacher as Director, promotes cooperation between the employment agencies and the University. It contacts various business organizations and government agencies and elicits their help and cooperation in the placement of students. This help may also take the form of financial assistance to poor and deserving students for which philanthropists may also be approached. In return, the University provides technical assistance to these organizations or individuals in solving their developmental and operational problems. During the long vacation, the Bureau arranges for the practical training of desirous students in Industry, Public Corporations and Government Department.

Scholarships

The University awards scholarships on the basis of the academic merit of the students. Scholarships are also available to the students on competitive basis from the Government of the Punjab, the Government of Pakistan and Private Trusts and Agencies. Interest-free loans are also made available by the Pakistan Government and the Banking Council. Some of the major awards and scholarships are as under.

a. University Merit Awards

On the basis of the results of the B.A./B.Sc. examination, the University offers three merit awards for the first three positions among the successful candidates in the B.A. and B.Sc. examination.

b. Education Department Scholarships

The students of this University can apply for merit scholarships offered by the Government of the Punjab through the various Directorates of Education. The candidates have to apply on a form prescribed by the Directorate of Education and the application has to be submitted through the Chairman of the Teaching Department concerned to the Directorate of Education of the Division.

c. Pakistan Atomic Energy Commission Scholarships

The Pakistan Atomic Energy Commission offers one scholarship each in the subject of Physics and Chemistry to a student who has obtained first division in all the public examinations upto the B.Sc. level.

Fee Concession

The University grants a prescribed number of fee concessions to each Department. The Chairman, at his discretion, may grant the full fee concession or a number thereof to half fee concessions. Each full fee concession is equivalent to two half fee concessions.

Loan for Needy Students

The needy students of the University can avail themselves of the scheme of the Government of Pakistan for obtaining interest-free loans from the funds of the Banking Council which are especially instituted for the purpose.

Admissions

Where to Apply

Postgraduate Programmes

- **M.A. Arabic**
Department of Arabic
- **M.A. Economics**
Department of Economics
- **M.A. English**
Department of English
- **M.A. Education**
Department of Education
- **M.A. History**
Department of History
- **M.A. International Relations**
Department of Political Science & International Affairs
- **M.A. Islamic Studies**
Department of Islamic Studies
- **M.A. Mass Communication**
Department of Mass Communication
- **M.A. Library & Information Science**
Deptt. of Library & Information Science
- **M.A. Pak. Studies**
Department of Pakistan Studies
- **M.A. Political Science**
Department of Political Science & International Affairs
- **M.A. Urdu**
Department of Urdu
- **M.A. Fine Arts**
Multan College of Arts
- **M.Ed.**
Department of Education
- **LL.B.**
University Gilani Law College
- **M.Sc. in Applied Linguistic**
Department of English
- **M.Sc. Applied Psychology**
Institute of Management Sciences
- **M.Sc. Botany**
Institute of Pure & Applied Biology
- **M.Sc. ACC. & Finance**
Department of Commerce
- **M.Sc. E-Commerce**
Department of Commerce
- **M.Sc. Economics**
Department of Economics
- **M.Sc. Chemistry**
Department of Chemistry
- **M.Sc. Physics**
Department of Physics
- **M.Sc. Statistics**
Department of Statistics
- **M.Sc. Sociology**
Institute of Management Sciences
- **M.Sc. Philosophy**
Institute of Management Sciences
- **M.Sc. Zoology**
Institute of Pure & Applied Biology
- **MCS**
Department of Computer Science
- **MIT**
Department of Computer Science
- **MS(CS)**
Department of Computer Science
- **MS(IT)**
Department of Computer Science
- **MBA**
Institute of Management Sciences
- **MBA(IT)**
Institute of Management Sciences
- **MBA(Executive)**
Institute of Management Sciences
- **MBA(Banking)**
Institute of Management Sciences
- **M.B. Economics**
Department of Commerce
- **M.Com.**
Department of Commerce

M.Phil. Programmes

- **M.Phil. Arabic**
Department of Arabic
- **M.Phil. Botany**
Institute of Pure & Applied Biology
- **M.Phil. Business Finance**
Department of Commerce
- **M.Phil. Chemistry**
Department of Chemistry
- **M.Phil. Economics**
Department of Economics
- **M.Phil. Education**
Department of Education
- **M.Phil. English**
Department of English
- **M.Phil. History**
Department of History
- **M.Phil. Islamic Studies**
Department of Islamic Studies
- **M.Phil. Mathematics**
CASPAM
- **M.Phil. Physics**
Department of Physics
- **M.Phil. Political Science**
Department of Political Science
- **M.Phil. Pak. Studies**
Department of Pak. Studies
- **M.Phil. Statistics**
Department of Statistics

- **M.Phil. Urdu**
Department of Urdu
- **M.Phil. Zoology**
Institute of Pure & Applied Biology
- **M.Phil. Pharmacy**
Faculty of Pharmacy
- **M.Phil. Sociology**
Institute of Management Sciences
- **M.Phil. Psychology**
Institute of Management Sciences
- **M.Sc.(Hons.) Agriculture**
University College of Agriculture

Postgraduate Diplomas

- **Diploma in Arabic**
Department of Arabic
- **Diploma in Clinical Psychology**
Institute of Management Sciences
- **Diploma in ELT**
Department of English
- **PGD**
Department of Computer Science
- **PGD**
Department of Statistics
- **D.L.L.**
University Gilani Law College
- **D.T.L.**
University Gilani Law College
- **LLM**
University Gilani Law College

Admissions

Admission Regulations for Postgraduate Programmes

1) i. Admission to M.A. / M.Sc. / M.Com. / M.Sc. (Accounting & Finance)/M.Sc. in Electronic Commerce / M.B.(Eco.) / LL.B. Part-I classes shall be made on merit, subject to fulfillment of conditions regarding subjects combinations prescribed for each course. There shall be no test and/or interview for admission to these courses

ii There shall be an admission test for admission to Master of Business Administration (MBA), MBA(IT), Master of Computer Science (MCS) and Master of Information Technology (MIT).

Merit shall be determined as follows:

a. Fifty percent weightage shall be given to marks obtained by the candidate in the Entry Test (Admission Test).

And

b. Fifty percent weightage to marks obtained in B.A./B.Sc./B.Com. or equivalent examination including 20 marks for Hifz-e-Quran subject to fulfillment of conditions regarding subjects combinations prescribed for each course.

And

c. 5 marks for each of the Computer-A/ Computer-B/Computer-G Bachelor level subjects in case of MCS & MIT.

Note: Rs. 200/- as entry test fee will be charged at the time of submission of application.

iii Admission to the above courses against merit and Special Admission Charges seats will be made in accordance with the following policy:-

a. 50% seats will be filled in first on open merit basis including Graduates of B.Z. University, Multan.

b. The remaining 50% seats are reserved for the graduates of B.Z. University, Multan.

Provided, unfilled seats on Special Admission Charges, if any, of one category may be offered to the candidates of other category with the approval of the Vice-Chancellor.

2) a. Unless otherwise prescribed in these regulations, the candidates who have passed B.A./B.Sc./B.Com. or an equivalent examination, securing at least 45% marks in aggregate and also 45% marks in the concerned discipline (90 marks out of 200) (where applicable) shall be eligible to apply for admission to M.A. / M.Sc. / MCS / MIT / MBA / MBA (IT) / M.Com. / M.Sc. (Accounting & Finance) / M.Sc. in Electronic Commerce / M.B. (Eco.) / LL.B. Part-I subject to fulfillment of conditions regarding subjects combinations prescribed for each course.

b. Candidates seeking admission to M.A. / M.Sc. / MBA / MBA (IT) / M.Com. / M.Sc. (Accounting & Finance) / M.Sc. in Electronic Commerce / M.B. (Eco.) MCS / MIT / LL.B. Part-I are required to have passed the subject of English carrying at least 100 marks at Bachelor's level.

c. The candidates passing B.A. (Hons.) Islamic Studies with computer technology from Sheikh Zaid Islamic Centre University of Punjab / Karachi / Peshawar are eligible to apply for admission to M.A. Islamic Studies Part-I class only.

3) Every candidate and his/her parents/ guardian shall at the time of admission give an affidavit / undertaking that he/she shall not indulge in politics, failing which he/she shall not be allowed admission. In the event of violation of such an undertaking after admission, he/she shall be expelled from the

Institution without notice. The finding with regard to "indulgence in politics" given by the Head of the Institution under his seal and signature shall be final and shall not be questioned except only before the Supreme Court of Pakistan. (Added under decision of Supreme Court of Pakistan dated 01-07-1992 on a Human Rights cases Nos. 175, 218 / 1992).

4) A candidate must not have attained the age given below on the last date fixed for receipt of applications for admission to various disciplines:-

- | | |
|--|----------|
| i. M.A./M.Sc./MCS/MIT/MBA/ MBA (IT)/M.Com./ M.Sc. (Accounting & Finance)/ M.B. (Eco.)/LL.B. Part-I MBA (Banking) | 26 years |
| ii. MBA (Professional Degree Holders) | 28 years |
| iii. M.Sc. in Electronic Commerce | 40 years |
| iv. MBA (Executive) | 50 years |
| v. MBA (Banking) for Bank employee | 28 Years |
| vi. LL.M | 28 Years |

5) The total number of seats in each Department / Institute / Centre / Constituent College, including all categories of reserved seats shall be as announced by the University at the time of admission.

6) i. There shall be two seats in each discipline (Morning / Evening) for real Son / Daughter of working or retired or deceased teacher of the Bahauddin Zakariya University, Multan provided that till the closing date for admission, the concerned teacher has served the University in regular capacity for at least three years or has served the University in the same capacity for the same period before retirement from the University or before death during the service in the University. If unfilled, the seat/s will be offered to the candidate of other category.

ii. There shall be two seats in each discipline (Morning / Evening) for real Son / Daughter of working or retired or deceased employee other than teachers of the Bahauddin Zakariya University, Multan provided that till the closing date for admission, the concerned employee has served the University in regular capacity for at least three years or has served the University in the same capacity for the same period before retirement from the University or before death during the service in the University. If unfilled, the seat/s will be offered to the candidate of other category.

iii. One seat in each discipline will be reserved for disabled candidates over and above the total number of seats which shall not be converted to merit seats if not filled.

iv. Any reserved seat which remains unfilled will not be transferred to the merit quota. The seats offered under the Special Admission Charges will not be convertible to merit seats.

7) Candidates who are in service of Government / Semi Government or Autonomous Organizations at the time of admission or seek / get employment after securing admission in a University Teaching Department / Institute / Centre/ Constituent College shall submit written permission from their employer for joining the University as a student.

8) The schedule of fees / dues payable by the candidates selected for admission shall be as prescribed.

9) The University Authorities shall have the discretion to refuse admission in any case without assigning any reason.

10) All admissions secured by providing wrong information or concealment of relevant information or the admissions made in contravention of these regulations shall be void / liable to be cancelled.

11) Medical certificates shall be submitted by selected candidates at the time of payment of dues. Only those Medical certificates shall be accepted which have been issued by the University Medical Officers. A token fee of Rs. 40/- will be charged alongwith other dues.

12. The selected candidates shall present, at the time of admission, the following documents in original, to the concerned department for examination:

- a) Academic Certificates
- b) Hifz-e-Quran Certificate
- c) Domicile Certificate
(where applicable)
- d) Medical Certificate

13) a. Lists of selected candidates will be displayed only on the Notice Board of each Teaching Department / Institute / Centre / Constituent College. No candidate will be informed individually about his/her selection for admission / withdrawal or cancellation of admission in a Department / Institute / Constituent College.

b. Information about conversion of seats from one category to the other category, if any, will be displayed on the Notice Board of the concerned Department / Centre / Institute / Constituent College only upto one day before the start of classes.

14. Appeal

There shall be an Appellate Admission Committee of the University for hearing the appeals of the aggrieved persons regarding admission in any discipline.

15) Hostel Admission

i) Admission in the University Hostels will be made annually on the basis of the result / performance of the candidate. However, foreign students are exempted from this procedure.

ii) Candidates requiring hostel accommodation will have to apply at the

time of submission of application for admission.

iii) Hostel admission will also be completed before the class work starts.

Admissions

Admission Regulations for (M.Phil)

1) M.Phil course in Arabic, Botany, Business Finance (Commerce), Chemistry, Economics, Education, English, History, Islamic Studies, Mathematics, Physics, Political Science, Statistics, Urdu and Zoology and other disciplines to be added later shall be governed by the existing statutes and Regulations relating to M.Phil degree programme as prescribed by the University and also as amended from time to time.

2) A person holding a Master's Degree in the respective subject of this University or a degree recognized by the University as equivalent to these degree shall be eligible for admission to M.Phil programme if he/she.

i. Produces a certificate of good conduct/ character from:

- a) employer, if employed
- b) the Head of the Institution last attended.

ii. Has obtained at least 2nd Division in M.A./M.Sc.

3) Each candidate for admission in M.Phil shall make an application for admission in response to advertisement by the University on prescribed application form.

4) Each candidate shall be admitted against the merit/reserved self-financing seats of accumulative merit to be determined from previous academic record and written test and Interview and admission be offered in order of merit.

The allocation of marks for determining merit shall be as follows:

| | |
|------------------------|-----|
| Academic Qualification | 40 |
| Admission test | 50 |
| Publications | 10 |
| Total | 100 |

i) For academic qualification, every first, second and third division shall carry 10, 5 and 0 point/marks respectively.

ii) For professional degree like B.Pharmacy/ BDS/MBBS/B.Sc. Engg./B.Sc. (Hons.) Agri., the credit of divisions for Matric and Intermediate shall be same while 20 marks/points shall be specified for Professional Examinations, i.e. 2½ marks for 50% marks and 5 marks for 60% marks (65% marks in case of semester system) in each Professional Examinations.

iii) Each publication, in a recognized journal, shall be awarded 5 marks upto a maximum of 10 marks.

iv) Selected candidates shall get themselves registered as per rules of the University.

Note: Rs. 200/- as entry test fee will be charged at the time of submission of application.

5) Each admission shall be approved by the Advanced Studies and Research Board after a candidate has qualified in a written test and interview conducted by the Admission Committee of the Department concerned.

6) The Admission Committee for each department shall be constituted by the Vice-Chancellor on the recommendations of the Chairman/Director/Principal of the Department.

7) The students can change paper(s) / course(s) within thirty days from the commencement of the session on the recommendations of the concerned teacher(s) subject to approval by the Chairman of the Department.

8) Candidates whose names were dropped or struck off the rolls of any University Teaching Department due to shortage of lectures or non payment of dues or poor performance or non appearance in examination etc. shall not be granted admission without the permission of the syndicate.

9) Any student who was rusticated, expelled, or whose entry into the University campus was banned for any reason whatsoever at any time during his/her academic career shall not be admitted to any class without the permission of the competent authority.

10) Any reserved seat, which remains unfilled, shall not be transferred to the merit quota.

11) Maximum upper age limit for the candidates seeking admission to M.Phil course in any discipline shall be forty-five years on the last date fixed for receipt of applications provided the Vice-Chancellor may relax upper age limit in genuine cases.

12) A student who has already obtained an M.Phil degree from any University in any subject shall not be admitted.

13) IN SERVICE CANDIDATES

The candidates who are in the service of Government/Semi Government or Autonomous Organization/Universities

including Bahauddin Zakariya University, Multan at the time of admission or seek/get employment after securing admission shall submit written permission and relieving certificate from their employer within maximum period of three months after joining the University as whole time student for the prescribed period of two years. Violation of this regulation shall lead to cancellation of admission. Provided that the teachers of B.Z. University, Multan are exempted from the application of this regulation and as such they are not required to get study leave during the period of their M.Phil studies.

14) The University Authorities shall have the discretion to refuse admission without assigning any reason.

15) All admissions secured by providing wrong information or concealment of relevant information or admission made in contravention of these regulations shall be void/liable to be cancelled.

16) Students shall be required to attend regularly all lectures, seminar session, field work, laboratory work, etc; as may be specifically required.

They shall be required to attend at least 75% of such meetings and sessions in each paper, separately, in order to be eligible for appearing in the course work examination

17) No. of seats in each discipline will be as given at Appendix-I

a. One seat in each discipline will be reserved for the sons/daughters of University teachers/employees which will not be converted to merit seat if not filled. If number of candidates are more than one against this reserved seat, then admission will be offered on merit basis among the applicants of this category.

b. Four seats in each discipline shall be

offered under self-financing scheme which shall not be converted to merit seats if unfilled.

c. One seat in each discipline will be reserved for the serving teachers of Bahauddin Zakariya University, Multan which will be offered on the basis of seniority within their concerned Department. Provided he/she has atleast three years service and he/she will not be required to appear in the admission test.

18) Rates of Self-Financing seats in the all disciplines will be Rs. 20000/- per seat or as amended/approved by the University from time to time.

a. This amount of Self-Financing will be in addition to tuition fee and other dues to be charged from the students offered admission in M.Phil course.

19) The name of a regular student of first/second academic year class of M.Phil programme shall be dropped from the rolls of the teaching Department of the University, if;

a. He/she does not fulfil the attendance requirement as prescribed.

b. He/she becomes a defaulter in the payment of dues by not paying the fee upto the tenth of the month in which it is payable and continues to remain a defaulter by non-payment of dues even with a late fee fine of Rupee 10/- per day upto the end of the month.

c. He/she absents himself/herself from the course work classes for a period of consecutive fourteen working days provided that if the cause of absence for consecutive fourteen working days or more is explained to the satisfaction of the Chairman/Director of the Department/Centre/Institute concerned such a student may be re-admitted within fifteen working days after his name is dropped from the rolls.

Provided further that in order to avoid any hardship, the Vice-Chancellor may allow admission of such students within 15 working days after the expiry of the aforesaid period.

d. He/she absent himself/herself from the research work without proper sanction from the supervisor and the Chairman/Director of the Department/Centre/Institute for a period of consecutive fourteen working days, provided that if the cause of absence for consecutive fourteen working days or more is explained to the satisfaction of the supervisor and the Chairman/Director such a student may be re-admitted within fifteen working days after his name is dropped from the rolls.

Provided further that in order to avoid any hardship, the Vice-Chancellor may allow admission of such students within 15 working days after the expiry of the aforesaid period.

20) A student shall cease to be a regular student as soon as his period of registration of two academic years expires. Provided that he would remain under the discipline of the University till the completion of his Viva-Voce Examination.

21) The statutes and Regulations given in the booklet governing M.Phil degree examination shall also be applicable to all the Department/Centre/Institute offering M.Phil programme.

Admissions

Admission Regulations for M.Phil Pharmacy

1) Admission shall be made to M.Phil (Pharmacy) classes in Pharmaceutical Chemistry, Pharmaceutics, Pharmacology and Pharmacognosy on merit according to the following formula:-

Aggregate marks of the B. Pharmacy Examinations plus 20 marks for Hifz-e-Quran.

2) There shall be no test and/or interviews for admission.

3) Unless otherwise prescribed in these regulations the candidates who have passed B. Pharmacy (4 years course) or equivalent Examination, shall be eligible for admissions to M.Phil (Pharmacy).

4) Candidates whose names were dropped or struck off from the rolls of any University Teaching Department due to shortage of lectures or non payment of dues, or poor performance or non appearance in examination etc. shall not be granted admission without the permission of the Syndicate.

5) Any student who was rusticated, expelled, or whose entry into the University Campus was banned for any reason whatsoever at any time during his/her academic career shall not be admitted to any class without the permission of the competent authority.

6) A candidate who has already obtained an M.Phil degree shall not be admitted.

7. No. of seats in each disciplines will be as given at Appendix-I.

a. One seat in each discipline will be reserved for the sons/daughters of University teachers/employees which will not be converted to merit seat if not filled. If number of candidates are more than one against this reserved seat then admission will be offered on merit basis among the applicants of this category.

8) Any reserved seat which remain unfilled may be transferred to the merit quota with the approval of the Vice-Chancellor.

9) Candidates who are in the service of Government/Semi Government or Autonomous Organizations at the time of admission or seek/get employment after securing admission in the University, shall submit written permission from their employer for joining the University as whole-time student. Violations of this regulation shall lead to cancellation of admission.

10) The University authorities shall have the discretion to refuse admission in any case without assigning any reasons.

11) All admissions secured by providing wrong information or by concealment of facts or made in contravention of these regulations shall be void/liable to be cancelled.

12) Students shall be required to attend regularly all lectures, seminars sessions, field work, laboratory work, etc. as may be specifically required. They shall be required

to attend at least 75% of such meetings and sessions etc. in each paper, separately, in order to be eligible for appearing in the Course work examination.

13) Each admission shall be approved by the Advanced Studies and Research Board after a candidate has been selected for admission by the Admission Committee of the Department.

14) The Admission Committee for the department shall be constituted by the Vice-Chancellor on the recommendations of the Chairman of the Department and Dean of the Faculty.

15) The students can change paper (s) / course (s) within thirty days from the commencement of the session on the recommendations of the concerned teacher (s) subject to approval by the Chairman of the Department.

16) Rates of Self-Financing seats in the all disciplines will be Rs.20,000/- per seat or as amended/approved by the University from time to time.

a. This amount of Self-Financing will be in addition to tuition fee and other dues to be charged from the students offered admission in M.Phil Course.

b. The seats of self-financing will not be converted to merit seats if not filled.

17) The name of a regular student of first/ second academic year class of M.Phil programme shall be dropped from the rolls of the teaching Department of the University, if;

- a. He/she does not fulfill the attendance requirements as prescribed.
- b. He/she becomes a defaulter in the payment of dues by not paying the fee upto the given date and continues to remain a defaulter by non-payment of dues even with a late fee fine of Rupee 10/- per day every one month after due date.
- c. He/she absent himself/herself from the course work classes for a period of consecutive fourteen working days, provided that if the cause of absence for consecutive fourteen working days or more is explained to the satisfaction of the Chairman of the Department such a student may be re-admitted within fifteen working days after his name is dropped from the rolls.

Provided further that in order to avoid any hardship, the Vice-Chancellor may allow admission of such students within 15 working days after the expiry of the aforesaid period.

d. He/she absents himself/herself from the research work without proper sanction from the supervisor and the Chairman of the Department for a period of consecutive fourteen working days, provided that if the cause of absence for consecutive fourteen working days or more is explained to the satisfaction of the supervisor and the Chairman such a student may be re-admitted within fifteen working days after his name is dropped from the rolls.

Provided further that in order to avoid any hardship, the Vice-Chancellor may allow admission of such students within 10 working days after the expiry of the aforesaid period.

18) A student shall cease to be a regular student as soon as his period of registration of two academic years expires, but he/she would remain under the discipline of the University till the completion of his Viva-Voce Examination.

19) M.Phil degree examination in Pharmacy shall be governed as prescribed by the University or as amended from time to time.

Students Discipline

1. Directorate of Students Affairs

This Directorate, headed by a senior teacher as Director, deals with all the matters relating to students' affairs, including discipline.

A. Discipline

1) No Student shall:

- i. Utter, do, or propagate, anything repugnant to Islam within and outside the precincts of the University / College;
- ii. Say or do anything which might adversely affect the honour and prestige of Pakistan, the University teachers and his/her educational institution;
- iii. Smoke in the classroom, laboratory, workshop, library, examination hall and University buses etc;
- iv. Form, or associate with an organization/ society/club, or any other body promoting caste distinctions and inciting parochial/ linguistic/regional feelings;
- v. Organize, or hold any function in the University except in accordance with the prescribed rules/regulations;
- vi. Collect money or receive donations or pecuniary assistance for or on behalf of the University or any University organization except with the written permission of the Syndicate;
- vii. Stage, incite, or participate in a walkout, strike or any other form of agitation which might create or is likely to create law and order problem for the University and affect or is likely to affect its smooth functioning;
- viii. Indulge in immoral activities, use indecent language, wear immodest dress, make indecent remarks, jokes or gesmake indecent remarks, jokes or gestures or behave in an improper manner;

ix. Cause disturbance to others;

x. Disturb peace and tranquility of the Institution;

xi. Keep or carry weapons, narcotics, immoral or subversive literature; and

xii. Use insalutary or abusive language or resort to violence against a fellow student or employee of the University.

2) Disciplinary action by the Principal of a Constituent / Affiliated College / Chairman of the University Teaching Department / Director of an Institute / Centre and the Discipline Committee against the student(s) may be taken in one or more of the following forms depending upon the severity of the offence:

- i. A student may be fined.
- ii. A student may be placed on probation for a fixed period.

If during the period of probation he/she fails to improve his/her conduct, he/she may be rusticated or expelled.

iii. A student may be suspended from the rolls of a College / Institute / Centre / Department for a period not exceeding two weeks at a time, excluding the suspension if any, not exceeding 10 days, at one time ordered by the Principal of the College / Director of the Institute / Centre / Chairman of the Department / the Discipline Committee (constituted under Statute-11 of the First Statutes) pending inquiry into the mis-conduct of the student(s).

iv. A Student may be rusticated/ expelled, or asked to withdraw from the College / Institute / Centre / Department in the manner hereinafter mentioned.

B. Regulations Relating to Rustication, Expulsion and Withdrawal

1. Rustication, whenever imposed on a College / University student, shall always mean the loss of one academic year in so far as his/her Examination are concerned. The period of absence from the College / University Teaching Department / Institute / Centre will, however, depend upon the time of the year when the penalty is imposed. The student under rustication may at the discretion of the Principal of the College / Chairman of the Department / Director of the Institute / Centre be permitted to rejoin the class in the same College / Department / Institute / Centre at the beginning of the next academic year.

A rusticated student once re-admitted and again found creating disturbance / indiscipline, etc. will be expelled from the University.

2) A Student expelled from a College / University Teaching Department / Institute / Centre shall not be re-admitted into the same College / Department / Institute / Centre or into another College / Department / Institute / Centre without the approval of the Syndicate. Re-admission shall in no case be granted before the expiry of one academic year from the date of expulsion.

C. College / Departmental Council

Each College / Institute / Centre / Department shall constitute a Council to consider and decide the cases of expulsion, rustication and withdrawal of student(s). The council shall consist of the Principal / Director / Chairman of the College / Institute / Centre /

Department and two members of the teaching staff to be nominated by the Principal / Director / Chairman of whom one shall be the student's advisor. The Principal / Director / Chairman of the College / Institute / Centre / Department shall be Chairman of the Council who may pass such orders as he may deem fit. Other members shall act in an advisory capacity. The Principal / Director / Chairman shall communicate to the Registrar the name of the members of the council in the beginning of every academic year.

D. Reporting of the Case

Cases of rustication and expulsion shall be reported to the University by the Principal / Chairman / Directors of the Department concerned for registration and notification. If a case of rustication / expulsion is revised by the Principal / Chairman / Director of the College / Department / Institute / Centre concerned, it shall be reported to the University with reasons for revising the order and brought to the notice of the Syndicate by placing the case on the Agenda.

E. Welfare

Each Affiliated / Constituent college and University Teaching Department / Institute / Centre shall setup a Welfare Committee in order to be in touch with the students, to deal with their problems and look after their welfare in general. The Committee shall consist of the Principal / Director / Chairman of the College / Department / Institute / Centre and two members of the teaching staff to be nominated by the Principal / Director / Chairman concerned of whom one shall be the student's advisor.

F. Code of Honour

The following Code of Honour enunciating the basic principles of conduct expected of a student should be propagated through the Principals of the Affiliated Colleges / Constituent Colleges and the Chairman /

Director of the University Teaching Departments / Institute / Centre:

- 1) All Students must have faith in and respect for the ideology of Pakistan.
- 2) All Students must in matters of religion respect the convictions of others.
- 3) Every student is expected to:
 - i. Be Loyal to Pakistan;
 - ii. Obey the Law of the land as well as the rules & regulations of the University / College;
 - iii. Maintain law and order as well as the dignity and prestige of the University / College;
 - iv. Protect the property of the University / College;
 - v. Show due respect to elders, teachers and outside visitors;
 - vi. Work hard and co-operate in completing the courses of study within the prescribed period.

G. Discipline Committee

The Discipline Committee constituted under Statute-11 of the first Statutes appended as schedule to the BZU Act, 1975, shall investigate, deal with, hear and punish the following classes of cases of misconduct and indiscipline among the students on the rolls of the University teaching Department / Institute / Centre / Constituent College in accordance with the aforementioned Regulations:

- i. Case(s) where the students of more than one department are involved and the case(s) cannot be conveniently dealt with the level of the Department / Institute / Centre / Constituent College.
- ii. Such other cases as may be referred to the committee by the Vice-Chancellor.

H. Appeal

- i. The student(s) who has/have been rusticated/expelled may prefer an appeal with the within 15 days of the date of notification.
- ii. If a case of rustication / expulsion / withdrawal is revised by the Chairman of the Syndicate on the basis of an appeal, it shall be brought to the notice of the Syndicate alongwith reasons for revising the original order.

I. Indulgence in Politics

Every candidate and his/her parents/guardian shall at the time of admission give an undertaking that he/she shall not indulge in politics, failing which, he/she shall not be allowed admission. And if, after the admission, he/she violates such an undertaking i.e. indulges in politics, he/she shall be expelled from the institution without further notice. The finding with regard to "indulgence in politics" given by the Head of the Institution under his seal and signatures shall be final and shall not be questioned except only before the Supreme Court of Pakistan.

Examination System

The University is following the Annual System of Examination, except in the case of the disciplines of Agriculture, Business Administration Computer Science and Applied Linguistics where Semester System is in vogue. Each academic year, normally beginning in September, is of twelve months duration-eight months for teaching and the remaining four months for examination and vacation.

There shall be two examination in each academic year. These examinations shall be termed as Part-I / 1st Annual Examination, followed by Part-I/2nd Annual Examination and Part-II/1st. Annual Examination followed by Part-II/2nd Annual Examination. Extracts from the relevant Regulations relating to Dropping out & Attendance are given below.

Dropping Out

The name of a regular student of Degree programme shall be dropped from the rolls of the College / University, if

- a. he/she does not fulfil the attendance requirement as prescribed.
- b. he/she becomes a defaulter in the payment of dues by not paying the fee upto the tenth of the month in which it is payable and continues to remain a defaulter by non-payment of dues even with a late fee fine of Rupee 1/- per day upto the end of the month.
- c. he/she absents himself/herself from the class without proper sanction for a period of fourteen working days.
- d. he/she fails to attain the minimum percentage or CGPA required under the semester system regulations for promotion into next class

Provided that if the cause of absence for more than fourteen days is explained to the satisfaction of the Chairman of the Department or the Director of the Institute or the Principal of the Constituent / Affiliated College concerned, such a student may be re-admitted within ten working days after his name is dropped from the rolls.

A student shall cease to be a regular student as soon as his classes are terminated towards the end of the academic year, provided that he remains under the discipline of the University till completion of the examination.

Attendance Requirements

A Candidate with an attendance of less than 75% of the total number of lectures delivered to his class in each written paper / practical, separately, shall not be allowed to take Part-I and Part-II examination or semester's final examination provided that:

- a. The Head of the Department / Institute / College may condone, for valid reasons, deficiency upto 5% of the total number of lectures in each written paper / practical delivered to his class separately. Besides, the Vice-Chancellor may, on special grounds, condone upto another 5% of the total number of lectures delivered to his class in each written paper / practical, separately.
- b. In the case of a sportsman participating in games of national and international level, as verified by the Director of Sports and recommended by the Chairman / Director / Principal concerned, 75% of the requisite attendance in lectures and practical will be calculated on the basis of total number of

practical / lectures delivered to his class in a course, minus the number of practicals/ lectures delivered to his class on the days actually spent by the sportsman in such sports and games. However, the Department/ Institute/College shall arrange, before the commencement of Part-I/Part-II Examinations, special lectures for the sportsman concerned in order to make up the deficiency in lectures/practicals calculated in the aforementioned manner.

Department of Pharmacy

| | |
|-----------------------|--|
| Established: | 1976 |
| Programme of Studies: | <ul style="list-style-type: none"> • <i>Pharm. D (Doctor of Pharmacy) (Morning & Evening Programme)</i> • <i>M.Phil</i> • <i>Ph.D.</i> |
| Enrollment | <i>Pharm.D</i> <i>Morning Programme</i> = 9 <i>(Merit = 60, Reserved = 16)</i> <i>SAC = 20)</i> <i>Evening Programme</i> = 94 |
| Prerequisites: | Pharm-D <i>F.Sc. (Pre-Medical Group)</i> <i>B.Sc. (Botany, Zoology and Chemistry) with F.Sc. Pre-Medical</i> M.Phil <i>B.Pharmacy (4 years course)</i> |
| Dean: | Prof. Dr. Mahboob E. Rabbani |
| Chairman: | Prof. Dr. A. Subhan Ijaz |
| Students' Advisor: | Prof. Dr. Bashir Ahmad Ch. |

Introduction

The Faculty of Pharmacy, Bahauddin Zakariya University, Multan owes its origin to the Department of Pharmacy, established in 1976. Initially, it was housed in a rented building but later on it was shifted to a part of a borrowed building called “ Old Campus” on Bosan Road, Multan. The Department moved to its present premises, the “Pharmacy Block”, at the University Campus in 1984.

With the start of Department in 1976 a three years course for the degree of B.Pharmacy was launched, which was then replaced by a four years course in 1979 on the recommendations of the University Grants Commission (Now HEC). B.Pharmacy (four year programme) has now been replaced by a five years programme of DOCTOR OF PHARMACY Pharm.D from the session 2003-2004. The programme of studies for the degree of M.Phil. in the subject of Pharmaceutical Chemistry and Pharmaceutics was started in 1986 and M.Phil. in the subject of Pharmacology has also been started in 1997. M.Phil. programme in the subject of Pharmacognosy is expected to start in the near future. Ph.D. programme is also offered by the Department. The

Department after its establishment, gradually strengthened its academic programmes as a result of which in 1992, it was given the status of a separate Faculty of Pharmacy.

An adequate collection of text books, reference books and research journals are available in the library of the Department/Faculty covering various disciplines of Pharmacy. The books are also available to the students from the Book Bank of the University on loan basis.

The students during the course of their studies go on industrial tours of various Pharmaceutical industries and laboratories as a part of their practical/professional training. The Faculty keeps liaison with different employing agencies and helps the students seeking employment.

P.D.H. Gold Medal, donated by the P.D. H. Laboratories Lahore is being awarded to a student getting first position on the basis of aggregate marks obtained by him/her in First to Final Professional Pharm-D Examinations and who has also passed all the professional Examinations in the Ist Annual Examination fixed for that class. Two Gold Medals are being awarded to students getting first position in M.Phil. Pharmaceutics and Pharmaceutical Chemistry respectively (one of these gold medals (Pharmaceutical Chemistry) is donated by IPP).

Admission in Pharmacy

Morning Classes:

There are 60 merit, 16 reserved seats and 20 seats on Special Admission Charges for admission to Pharm-D Ist Professional class. Eight (8) out of 60 merit seats are for candidates holding B.Sc. degree after F.Sc. (Pre-Medical). Admission to Ist. Professional class will be made by the Admission Committee of the Department according to the merit rules and regulations laid down by the Department and the University.

Evening Classes

There are 94 merit seats in Pharm-D Ist. Professional class under evening programme.

Admission Committee

| | |
|------------------------------------|-----------|
| 1. Prof. Dr. A Subhan Ijaz | Chairman |
| 2. Prof. Dr. Khalid Hussain Janbaz | Member |
| 3. Prof. Dr. Bashir Ahmad Ch. | Member |
| 4. Mr. Muhammad Iqbal | Member |
| 5. Dr. Nazar Muhammad Ranjha | Secretary |

Eligibility

The candidates who have secured at least 45% marks in F.Sc. (Pre Medical) or B.Sc. Examination (as the case may be), are eligible for admission to Pharm-D first professional class, provided that the candidates holding B.Sc. degree must have passed B.Sc. Examination with Botany, Zoology and Chemistry as Elective subjects and F.Sc. in Pre-Medical group.

Computation of Merit

The merit will be determined on the basis of aggregate marks of F.Sc./B.Sc. (as the case may be), plus 20 marks for Hifz-e-Quran + Marks obtained in Entry Test out of 50 marks. The selected candidates will have to appear personally before the Admission Committee of Department of Pharmacy along with their original documents prior to depositing their dues.

Break up of Seats:

Out of 60 merit seats 8 seats (4 in column No.3 and 4 in column No.4) will be reserved for candidates possessing the B.Sc. degree (with subjects listed above).

Detail is provided in the Chart.

Note: Rs.200/- as entry test fee will be charged at the time of submission of applications.

M.Phil Programmes

Admission:

Admission shall be made to M. Phil. (Pharmacy) classes in Pharmaceutical Chemistry, Pharmaceutics, Pharmacology and Pharmacognosy on merit according to the following formula:

Aggregate Marks of the B.Pharmacy Examinations plus 20 marks for Hifz-e-Quran.

M. Phil. (Pharmaceutics)

M. Phil. Pharmaceutics comprises of four semesters (50) credit hours. (Two years). In first two semesters, each consisting of four courses (3 credit hour per course) will be completed in one year. One credit hour will be for seminar. As a result of it total 25 credit hours will be completed.

Research work will be offered after 2nd semester from the courses/areas mentioned under title of course in both the semesters i.e. semester I and semester II. Research work will carry weightage of 25 credit hours (to be completed in 3rd and 4th semester). i.e. one year.

The research work will be carried out in any branch of Pharmaceutics. The thesis shall embody the results of research, which may either be continuation to the existing knowledge of the subject, or application of known methods of research to some technical problems. This will also include seminar and viva voce examination concerning research topic. Five copies of research thesis printed or type written shall be submitted for examination at the end of the academic year.

1st Semester (Credit Hours-12)

| Course No. | Title of Course | Credit Hours |
|------------|---|--------------|
| PHP-701 | Pharmaceutics-I: Pharmaceutical Technology-I | 3 |
| PHP-702 | Pharmaceutics-II: Clinical Pharmacy & Therapeutics-I | 3 |
| PHP-703 | Pharmaceutics-III: Pharmaceutical Bio-Technology | 3 |
| PHP-704 | Pharmaceutics-IV: Pharmaceutical Management & Marketing | 3 |

2nd Semester (Credit Hours-13)

| | | |
|---------|---|---|
| PHP-751 | Pharmaceutics-V: Pharmaceutical Technology-II | 3 |
| PHP-752 | Pharmaceutics-VI: Clinical Pharmacy & Therapeutics-II | 3 |
| PHP-753 | Pharmaceutics-VII: Pharmaceutical services | 3 |
| PHP-754 | Seminar in Pharmaceutics | 1 |
| PHB-755 | Bio-Statistics | 3 |

3rd & 4th Semester (Credit Hours-25)

| | | |
|---------|--------|----|
| PHP-801 | Thesis | 25 |
|---------|--------|----|

Syllabi of M.Phil Pharmacology

M.Phil. Pharmacology comprises of four semesters (50 Credit hours) i.e. two years programme. The first two semesters (25 credit hours) i.e. one year consist of a course work whereas the 3rd and 4th semesters (25 credit hours) i.e. one year is devoted for research work. The syllabi / courses of reading during the first two semesters are outlined below:

1st Semester (Credit Hours-12)

| Course No. | Title of Course | Credit Hours |
|------------|--------------------------|--------------|
| PHL-701 | General Pharmacology | 3 |
| PHL-702 | Applied Pharmacology-I | 3 |
| PHL-703 | Biochemical Pharmacology | 3 |
| PHL-704 | Biochemical Techniques | 3 |

2nd Semester (Credit Hours-13)

| | | |
|---------|-------------------------|---|
| PHL-751 | Applied Pharmacology-II | 3 |
| PHL-752 | Neuro-Pharmacology | 3 |
| PHL-753 | Microbiology | 3 |
| PHL-754 | Seminar in Pharmacology | 1 |
| PHL-755 | Biostatistics | 3 |

3rd & 4th Semester (Credit Hours-25)

| | | |
|---------|--------|----|
| PHP-801 | Thesis | 25 |
|---------|--------|----|

Syllabi of M.Phil Pharmaceutical Chemistry

M.Phil. Pharmaceutical Chemistry comprises of four semesters (50 Credit hours) i.e two years programme. The first two semesters (25 credit hours) i.e. one year consist of a course work whereas the 3rd and 4th semesters (25 credit hours) i.e. one year is devoted for research work. The syllabi / courses of reading during the first two semesters are outlined below:

1st Semester (Credit Hours-12)

| Course No. | Title of Course | Credit Hours |
|------------|--|--------------|
| PHC-701 | Drug Design | 3 |
| PHC-702 | Drug Stability & Pharmaceutical Analysis | 3 |
| PHC-703 | Advanced Pharmaceutical Analysis | 3 |
| PHC-704 | Natural Product Chemistry | 3 |

2nd Semester (Credit Hours-13)

| | | |
|---------|-------------------------------------|---|
| PHC-751 | Advanced Medicinal Chemistry | 3 |
| PHC-752 | Therapeutic Chemistry | 3 |
| PHC-753 | Phytochemistry | 3 |
| PHC-754 | Seminar in Pharmaceutical Chemistry | 1 |
| PHC-755 | Biostatistics | 3 |

3rd & 4th Semester (Credit Hours-25)

| | | |
|---------|--------|----|
| PHC-801 | Thesis | 25 |
|---------|--------|----|

Syllabi of M.Phil Pharmacognosy

M.Phil. Pharmacognosy comprises of four semesters (50 Credit hours) i.e. two years programme. The first two semesters (25 credit hours) i.e. one year consist of a course work whereas the 3rd and 4th semesters (25 credit hours) i.e. one year is devoted for research work. The syllabi / courses of reading during the first two semesters are outlined below:

1st Semester (Credit Hours-12)

| Course No. | Title of Course | Credit Hours |
|------------|---------------------------------------|--------------|
| PHG-701 | Analytical Pharmacognosy | 3 |
| PHG-702 | Advanced Pharmacognosy-I | 3 |
| PHG-703 | Biosynthesis of Natural Products | 3 |
| PHG-704 | Plant Toxicology & Ethnopharmacognosy | 3 |

2nd Semester (Credit Hours-13)

| | | |
|---------|--|---|
| PHG-751 | Advanced Pharmacognosy-II | 3 |
| PHG-752 | Structure Elucidation Techniques of Natural Products | 3 |
| PHG-753 | Pharmacobiotechnology | 3 |
| PHG-754 | Seminar in Pharmacognosy | 1 |
| PHG-755 | Biostatistics | 3 |



Department of Economics

Established: 1975

Programmes of Studies:

Morning: M.Sc.; M.Phil.; Ph.D.
Evening: M.Sc.

Enrolment: *Morning: See Chart No.1 for detail*
Evening: See Chart No.1 for detail

Prerequisites: i) *B.A/B.Sc. with Economics as Elective subject for Admission to M.Sc.*
ii) *M.A./M.Sc. for Admission to M.Phil*

Chairman: *Prof. Dr. Toseef Azid*

Students' Advisor : *Ms. Naima Saeed*

Incharge Computer Lab.
& Library *Ms. Urooj Pasha*

Introduction

The Department of Economics started functioning as soon as the university was established by transferring M.A. Economics classes from Government College, Bosan Road, Multan to the University. Teaching staff was also acquired on deputation from the same institution. At present, there are ten members of the teaching staff. Six of them hold Ph.D. degrees from abroad.

The Department offers a wide range of courses in the field of Economics. Keeping in view the present day requirements of the subject the Department of Economics has planned to offer exciting and academically challenging postgraduate degree of M.Sc. Economics both as morning and afternoon program with later on self-finance basis. The program provides a foundation in modern technique of quantitative economics, financial economics and econometrics with emphasis on science-based subjects such as mathematics, statistics and computer applications. The central feature of the course is its blend of core economic concepts and principles with modern research methods. Master of science in economics is a two years postgraduate program comprising of four semesters.

The Department also aims at promoting research on various local and national issues. For this purpose the Department has introduced an

M.Phil program, in addition to the Master level programs. The Department also offers research facilities for Ph.D. candidates. Presently ten students are registered as Ph.D. candidates. The student strength has consequently risen to over 230 per academic year.

The Department has a library of more than 5000 books plus a collection of national and international journals. Computer facilities are also available in the Department.

Admission

I - M.Sc. (Morning Programme)

The detail of 40 merit seats for admission to M.Sc Economics Semester I is provided in Chart No.1. The break up is given as under:

| | |
|----------|----------|
| B.A/B.Sc | 38 seats |
| B.Com | 02 seats |

Departmental Admission Committee:

| | |
|---------------------------|-----------|
| Prof. Dr. Toseef Azid | Chairman |
| Prof. Dr. Shahnawaz Malik | Member |
| Ms. Naima Saeed | Member |
| Ms. Urooj Pasha | Secretary |

Eligibility

- The candidates who have passed BA/BSc Examination, securing at least 45% marks in aggregate as well as in Economics as an Elective subject (of 200 marks) are eligible for admission to M.Sc. Economics Semester-I.
- The candidates who have passed B.Com Examination, securing at least 45% marks in aggregate as well as in Economics are eligible for admission to M.Sc. Economics Semester I.

Computation of Merit

The merit will be determined as under:

- Aggregate marks of BA/BSc plus marks of Elective Economics plus 20 marks each for Statistics and Mathematics studied at BA/B.Sc or FA/F.Sc level plus 20 marks for Hifz-e-Quran.
- Aggregate marks obtained in B.Com plus marks of Economics plus 20 marks for Hifz-e-Quran.

2. M.Sc (Evening Program)

Keeping in view that we receive more than 500 applications each year but the number of seats available in the morning program is limited, we have offered same program in the afternoon on self-finance basis. The program is taught by the same faculty members as morning program.

Admission

The detail of 45 merit seats for admission to M.Sc (Economics) afternoon program is given in chart No1. Five (5) seats are reserved for B.Com candidates.

Eligibility and Computation of Merit

Same as M.Sc morning program.

Computer Lab.

The department has a computer lab that provides computing facilities to M.Sc Economics students. The lab is equipped with the latest Pentium IV computers and it is being extended.

Outline of Syllabus (M.Sc Morning & Afternoon)

First Semester

| Course # | Course Title | Crd. Hrs./Marks |
|------------------|------------------------------|-----------------|
| ECO-500 | Micro Economics | 3 (100 marks) |
| ECO-501 | Macro Economics | 3 (100 marks) |
| ECO-502 | Mathematical Economics-I | 3 (100 marks) |
| ECO-503 | Statistics for Economists | 3 (100 marks) |
| ECO-504 | Use of Computer in Economics | 3 (100 marks) |
| (ALL COMPULSORY) | | |

Second Semester

| | | |
|---------|-------------------------|---------------|
| ECO-505 | Micro Economic Analysis | 3 (100 marks) |
| ECO-506 | Macro Economic Analysis | 3 (100 marks) |

| | | |
|------------------|------------------------------|---------------|
| ECO-507 | Econometrics | 3 (100 marks) |
| ECO-508 | International Economics | 3 (100 marks) |
| ECO-509 | Topics in Pakistan's Economy | 3 (100 marks) |
| (ALL COMPULSORY) | | |

Third Semester

| | | |
|------------------|--|---------------|
| ECO-600 | Econometrics with Computer Applications. | 3 (100 marks) |
| ECO-601 | Monetary Economics | 3 (100 marks) |
| ECO-602 | Research Methods in Economics | 3 (100 marks) |
| ECO-603 | Managerial Economics | 3 (100 marks) |
| ECO-604 | Public Finance | 3 (100 marks) |
| (ALL COMPULSORY) | | |

Fourth Semester

| | | |
|---------|---------------------------|---------------|
| ECO-605 | Development Economics. | 3 (100 marks) |
| ECO-606 | Financial Economics | 3 (100 marks) |
| ECO-607 | Mathematical Economics-II | 3 (100 marks) |

Optional Courses

| | | |
|----------|--|---------------|
| ECO-608/ | ECO 609 Research Project | 6 (200 marks) |
| ECO-610 | Environmental Economics | 3 (100 marks) |
| ECO-611 | Human Resource Development | 3 (100 marks) |
| ECO-612 | Industrial Economics | 3 (100 marks) |
| ECO-613 | Measure Theory & Applications | 3 (100 marks) |
| ECO-614 | Agricultural Economics | 3 (100 marks) |
| ECO-615 | Islamic Economics | 3 (100 marks) |
| ECO-616 | Economics of Poverty and Income Distribution | 3 (100 marks) |
| ECO-617 | Labour Economics | 3 (100 marks) |
| ECO-618 | Population Economics | 3 (100 marks) |
| ECO-619 | Applied Economics | 3 (100 marks) |

3. M.Phil / Ph.D. program

In order to promote research on various local and national issues, the Department introduced an M.Phil program in the early 1990s on annual basis, later on 2002 M.Phil program was converted into semester system. This postgraduate study and research

program is running successfully and the candidates after obtaining degrees are serving in various governmental and non-governmental organizations. This program is also helping the candidates who later on intend to register for a Ph.D program.

Eligibility and Computation of Merit

The detail is given in the admission regulations part of the prospectus.

Courses Offered in M.Phil / Ph.D.

Compulsory Courses

| Paper No. | Title |
|-----------|-----------------------|
| ECO-700 | Micro Economic Theory |
| ECO-701 | Macro Economic Theory |
| ECO-702 | Econometric Methods |

Optional Courses

| | |
|---------|--|
| ECO-703 | Research Methods in Social Sciences |
| ECO-704 | Topics in Managerial Economics |
| ECO-705 | Capital and Growth |
| ECO-706 | Optimization Techniques |
| ECO-707 | Issues in Development Economics |
| ECO-708 | Globalization and Economic Integration |
| ECO-709 | Topics in Applied Economics |
| ECO-710 | Production Analysis |
| ECO-711 | Advanced Monetary Economics |
| ECO-712 | Consumer Demand Analysis |
| ECO-713 | International Economics |
| ECO-714 | Issues in Public Economics |
| ECO-715 | Population Dynamics |
| ECO-716 | Agricultural and Resource Development |
| ECO-717 | Issues in Regional Economics |
| ECO-718 | Financial Economics |
| ECO-719 | Issues in Health Economics |
| ECO-720 | Topics in Islamic Economics |
| ECO-721 | Issues in Human Resource Development |
| ECO-722 | Economics of Poverty and Income Distribution |

Department of Education

| | |
|------------------------|--|
| Established: | 1986 |
| Programmes of Studies: | M.A.; M.Ed.; M.Phil, Ph.D. |
| Enrolment: | See the Chart No.1 for details |
| Prerequisites: | For M.A. B.A./B.Sc. with at least 2nd Div. For M.Ed. B.Ed. with atleast 2nd Div. For M.Phil. M.A./M.Ed. with at least 2nd Div. For Ph.D. M.Phil |
| Chairman: | Prof. Dr. Ahmad Farooq Mash-hadi |
| Students' Advisors : | i) Dr. Shamim Haider Trimazi ii) Miss Irum Gul Gilani |

Introduction

The Department of Education was established in September, 1986, with the major purpose to produce competent, enlightened and well-disciplined teachers at the Master's level, i.e. M.A. Education and M.Ed. for both Arts and Science Students. The former is a two years programme and the later a one-year programme.

Initially, the Department started with four teachers. The staff strength has now grown to ten. Out of these, four hold Ph.D. degree. The initial enrolment in M.A. Education and M.Ed. was 48 students which has, at present, gone up to around 300. The services of foreign experts and renowned educationists are also secured from time to time with a view to improving and updating the quality of teaching/learning process. The library of the Department is adequately equipped with relevant text books and reference literature.

Departmental Admission Committee

| | |
|---------------------------|-----------|
| Prof. Dr. Muhammad Yousaf | Chairman |
| Dr. Jamil Hussain Shah | Secretary |
| Mr. Khalid Khurshid | Member |
| Miss. Irum Gul Gilani | Member |

Admission

The detail of seats for admission to M.A. Education Part-I (Morning) class is given in chart No.1. Break-up of merit seats for Science and Arts graduates is as under:

Science

| | |
|---------------------|----|
| Physics/Mathematics | 10 |
| Biology/Chemistry | 10 |

Arts

| | |
|-------------------------|-----------|
| Social Science/Language | 20 |
| Total | 40 |

The detail of seats for admission to M.A. Education Part-I (Evening) class is given in Chart No.1. The decisions about admission will be made by the Departmental Admission Committee, according to the admission/merit criteria announced by the Department.

Programmes

i) M.A. Education

M.A. Education is a two years professional degree programme. The main purpose of programme is to produce well-trained teachers for schools including the Primary and Secondary levels. However, the degree holders of M.A. Education can also join Colleges, Universities as Lecturers. In addition, they are eligible to be subject specialists at higher secondary schools. The programme offers a wide range of courses regarding knowledge and skills essentially required for an effective and efficient teacher training programme.

Admission Criteria

The merit will be determined as under:

- For Arts applicants with combination of Education.
Marks obtained in B.A. + 10 marks for the subject of Education at B.A. level + 20 marks for Hifz-e-Quran.
- For Arts applicants with all other combinations.
Marks obtained in B.A. + 20 marks for Hifz-e-Quran.
- For Science Students.
Marks obtained in B.Sc. + 20 marks for Hifz-e-Quran.

Scheme of Studies/Courses of Reading For M.A. Education

Semester-I

(Compulsory Papers)

| Course Title No. | Credit Hours 3 Marks |
|--|-------------------------|
| ED-500 Philosophical Perspectives of Education | 100 |
| ED-501 Educational Psychology | 100 |
| ED-502 Research Orientation in Education | 100 |
| ED-503 Curriculum Development | 100 |
| ED-504 Educational Measurement and Assessment | 100 |
| ED-505 Methods and Techniques of Teaching | 100 |

Semester-II

(Compulsory Papers)

| | |
|---|-----|
| ED-506 Perspectives of Education in Pakistan | 100 |
| ED-507 Psychological Foundations of Education | 100 |
| ED-508 Research Application in Education | 100 |
| ED-509 Curriculum Organization in Pakistan | 100 |
| ED-510 Educational Evaluation and Quality Assurance | 100 |
| ED-511 Teaching Strategies and Innovations | 100 |

Semester-III

(Compulsory Papers)

| | |
|---------------------------------------|-----|
| ED-600 Basic Applications of Computer | 100 |
| ED-601 Teaching Practice (Theory) | 100 |

Elective Papers of Area of Specialization

Candidates will have to opt one area of specialization in out of the following 1, 2 and 3. Each area of specialization has one group of subjects (two papers).

1. Science Education
2. Language Education
3. Social Science Education

I. Science Education

| Group | Course No. | Title | Credit Hours 3 Marks |
|-------|------------|-------------------------|-------------------------|
| A | ED-602 | Teaching of Mathematics | 100 |
| | ED-603 | Teaching of Physics | 100 |
| B | ED-603 | Teaching of Physics | 100 |
| | ED-604 | Teaching of Chemistry | 100 |
| C | ED-604 | Teaching of Chemistry | 100 |
| | ED-605 | Teaching of Biology | 100 |
| D | ED-602 | Teaching of Mathematics | 100 |
| | ED-604 | Teaching of Chemistry | 100 |

2. Language Education

| | | | |
|---|--------|---------------------|-----|
| A | ED-606 | Teaching of English | 100 |
| | ED-607 | Teaching of Urdu | 100 |
| B | ED-607 | Teaching of Urdu | 100 |
| | ED-608 | Teaching of Arabic | 100 |
| C | ED-606 | Teaching of English | 100 |
| | ED-608 | Teaching of Arabic | 100 |

3. Social Science Education

| | | | |
|---|--------|------------------------------|-----|
| A | ED-609 | Teaching of History | 100 |
| | ED-610 | Teaching of Pakistan Studies | 100 |
| B | ED-609 | Teaching of History | 100 |
| | ED-611 | Teaching of Islamic Studies | 100 |
| C | ED-610 | Teaching of Pakistan Studies | 100 |
| | ED-611 | Teaching of Islamic Studies | 100 |

Semester-IV

| Course No. | Title | Cr. Hrs. | Marks |
|-------------------|------------------------------------|----------|-------|
| ED-612 | Computer Applications in Education | 03 | 100 |
| ED-613 | Teaching Practice (Practical)* | | |
| ED-614 and ED-615 | Research | 06 | 200 |

OR

Two papers of professional specialization out of the following:

| Course Title No. | Credit Hours 3 Marks |
|--|-------------------------|
| ED-616 Educational Planning and Management | 100 |
| ED-617 Educational Technology | 100 |
| ED-618 Guidance and Counselling | 100 |
| ED-619 Special Education | 100 |
| ED-620 Educational Supervision | 100 |

* Total of 30 practice lessons, 15 in each subject (related to the areas of specialization) will be delivered by each student in addition to one model lesson in each subject.

** Only those students may opt theses who will pass first and second semester examination securing aggregate minimum 65% marks (Including both semesters)

ii) M.Ed.

M.Ed. is one year degree programme. Basically, it is an in-service teachers training programme for those teachers/graduates who have a B.Ed. degree. The programme includes advanced courses of Education and training with an objective to enhance the level of understanding and skills regarding teaching, research, management and other relevant fields of teacher training.

Admission Criteria

The basic requirement for admission to M.Ed. is B.Ed. (with at least 45% marks). The age limit for the programme is forty years.

Merit is determined as follows:

Marks obtained in *B.Ed. Plus B.A./B.Sc. (Division wise **credit) plus 25 marks for ***M.A./M.Sc. plus 20 marks for Hifz-e-Quran.

For order to maintain the uniformity, the marks obtained in B.Ed will be determined out of 1100 (existing total marks of B.Ed., under B.Z. University, Multan) if the total marks are less or above than 1100.

| | |
|--|-----------|
| ** First Division | 25 Marks |
| Second Division | 15 Marks |
| Third Division | No Credit |
| *** M.A./M.Sc. in any one or more than one school subjects at least in 2 nd Division. | |

Scheme of Studies/Courses of Reading for M.Ed.

It will be a full time postgraduate degree programme of two semesters.

Semester-I**(Compulsory Papers)**

| Course Title | Credit Hours 3 | Marks |
|--|----------------|-------|
| No. | | |
| ED-700 Education and Islamic Thought | 100 | |
| ED-701 Curriculum Development | 100 | |
| ED-702 Educational Planning and Management | 100 | |
| ED-703 Educational Research | 100 | |
| ED-704 Learning and Learning Theories | 100 | |

Semester-II**(Compulsory Papers)**

| | |
|---|-----|
| ED-705 Education in Islamic Perspectives | 100 |
| ED-706 Curriculum Development Process in Pakistan | 100 |
| ED-707 Management Techniques & Economics of Education | 100 |
| ED-708 Statistics in Educational Research | 100 |
| ED-709 Instructions and Instructional Technology | 100 |

Elective Courses

Students are required to select one group of subjects comprising two courses out of the following:

Group-I For Science Students

| Group | Course Title | Credit Hours 3 | Marks |
|-------|--------------------------------|----------------|-------|
| No. | | | |
| A | ED-710 Teaching of Mathematics | 100 | |
| | ED-711 Teaching of Physics | 100 | |
| B | ED-711 Teaching of Physics | 100 | |
| | ED-604 Teaching of Chemistry | 100 | |
| C | ED-604 Teaching of Chemistry | 100 | |
| | ED-605 Teaching of Biology | 100 | |

Group-2 For Arts and Humanities Students

Every student is required to select one subject out of the following in addition to English which is compulsory.

| Course Title | Credit Hours 3 | Marks |
|---|----------------|-------|
| No. | | |
| ED-714 Teaching of English (Compulsory) | 100 | |
| ED-715 Teaching of Urdu | 100 | |
| ED-716 Teaching of Pakistan Studies | 100 | |
| ED-717 Teaching of Islamic Studies | 100 | |
| ED-718 Teaching of History | 100 | |

| | |
|------------------------|-----|
| ED-719 Research Thesis | 100 |
| or | |

Any one course of the following:

| | |
|---|-----|
| ED-720 Guidance and Counselling | 100 |
| ED-721 Special Education | 100 |
| ED-722 Educational Supervision | 100 |
| ED-723 Educational Technology | 100 |
| ED-724 Science Education and Instructional Technology | 100 |
| ED-725 Computer in Education | 100 |

iii) M.Phil

M.Phil is a research based postgraduate programme offered to Master degree holders i.e. M.A. Education/M.Ed. The programme is run under Semester System with the total duration of four Semesters (two years). Each Semester has 4-1/2 month duration. First two Semesters comprise teaching course work and the last two are fixed for thesis.

Admission Criteria

i) The entry requirement for this research degree programme is master degree in Education (M.A. Education and M.Ed. with at least 45% marks)

ii) The merit for admission is determined as under:

a) Entry Test 50% credit (the test shall comprise objective type questions (MCQ) broadly based on the compulsory courses taught in M.A. Education/M.Ed. at B.Z. University, Multan.

b) Division wise qualification merit from Matric to Master level 40% credit (1st Division 10 = marks. 2nd Division = 05 marks, 3rd Division = no credit)

* Subject to be changed if needed.

Outline of Courses for M.Phil

YEAR – I

| Semester-1 | 16 Credit |
|--------------|-----------|
| Course Title | Marks |

No.

| | | |
|--------|--|----------|
| ED 101 | Research Methods | 4 Credit |
| ED 102 | Computer Applications-I | 4 Credit |
| ED 103 | Techniques of Educational Assessment | 4 Credit |
| ED 104 | Educational Trends in 20 th Century | 4 Credit |

| Semester-2 | 16 Credit |
|------------|-----------|
|------------|-----------|

| | | |
|--------|---|----------|
| ED 201 | Data Analysis Techniques | 4 Credit |
| ED 202 | Computer Applications-II | 4 Credit |
| ED 203 | Contemporary Issues of Educational Evaluation | 4 Credit |
| ED 204 | Student Presentations on Education Issues | 4 Credit |

YEAR – II

Semester-3 & 4

Qualifying comprehensive examination 4 credit hours.

| | | |
|--------|-----------------|-----------|
| ED 301 | Research Thesis | 24 Credit |
|--------|-----------------|-----------|

Department of History

| | |
|-------------------------|--|
| Established : | 1976 |
| Programmes of Studies : | M.A.; M.Phil, Ph.D. Diploma Programmes i) Community Development ii) Women Studies |
| Enrollment: | See the Chart No.1 for details |
| Prerequisites: | B.A. with History as Elective Subject |
| Chairperson: | Prof. Dr. Humaira Arif Dasti |
| Students' Advisors : | Mr. Muhammad Shafique Bhatti Mrs. Farheen Altaf |

Introduction

The Department of History and Pakistan Studies was established in 1976, a year after the establishment of the University. Initially the Department started functioning in a rented building in Gulgasht Colony, Multan. In 1980, it shifted to Languages Block (IOL) and finally in 1986 to its present premises the History and Political Science Block at the campus of the University. Department of History started a diploma programme of Pakistan Studies which later on converted into M.A. programme and a regular M.A. Pakistan Studies programme was introduced in 1986, while an M.Phil programme has been instituted from spring 1997. The Department also enrolls Ph.D. students. A number of scholars have been registered for Ph.D. degree. So far, six scholars have earned their Ph.D. degree from this Department and five scholars are working on various Ph.D. projects.

The Department came into existence with a skeleton staff of three regular lecturers, one research scholar and one part time teacher. At present, the Department has the services of six regular teachers including three Ph.D., two M.Phil degree holder and one Master degree holder respectively.

M.A. Programme under Semester System

Admission

The detail of seats each for admission to M.A. History 1st semester

class is given in Chart No.1. The departmental admission committee, according to the admission/merit criteria laid down by the department will make the admissions to M.A. 1st semester.

Departmental Admission Committee

| | |
|------------------------------|-------------|
| Prof. Dr. Humaira Arif Dasti | Chairperson |
| Prof. Dr. Abdul Rashid Khan | Member |
| Mr. Shafique Bhatti | Member |

Eligibility

- The candidates who have passed B.A. Examination with at least 33% marks in the subject of History as an elective subject of 200 marks are eligible for admission to M.A. History 1st semester..
- The candidate who have passed B.A. Examination with Islamic studies, Political Science, Education, Pakistan Studies, Sociology and Economics as an elective subject (of 200 marks) securing at least 45% marks are eligible for admission to M.A. History 1st semester.

Computation of Merit

The merit will be determined as under:-

- Aggregate marks of B.A. plus marks of Elective History, plus five (05) marks of Persian as an Elective subject, plus twenty (20) for Hifz-e-Quran.
- Aggregate marks of B.A. plus marks of Elective subjects i.e. Islamic Studies, Political Science, Education, Pakistan Studies, Economics, and Sociology, plus (20) for Hifz-e-Quran.

Outline of Syllabus

Course Title for M.A. History, Semester System.

20 Courses should be offered in four Semesters including Compulsory Courses

10

Semester-I

Paper Title No.

| | | |
|----------|---|----------------|
| HIST-500 | History of Islam and Pre-Islamic Arabia | to 632 A.D. |
| HIST-501 | Muslim Quest for Identity | 1857-1924-A.D. |

- HIST-502 Constitutional and Political
History of Pakistan
1947-1971 A.D.
- HIST-503 International Relations
1945-2000
- HIST-504 Historiography

Semester-II

- HIST-505 History of the Pious Caliphate
632-661 A.D.
- HIST-506 Muslim Struggle for Pakistan
1924-1947 A.D.
- HIST-507 History of Pakistan
1971-1999 A.D.
- HIST-508 Muslim World in Modern Times
1919-1990 A.D.
- HIST-509 History of Historiography

Optional Courses for III & IV Semester

Muslim History

- HIST-600 History of the Ummayyads
661-751 A.D.
- HIST-602 History of the Abbasids
751-1200 A.D.
- HIST-601 Institutions and Culture of the
Abbasids 750-900 A.D.
- HIST-603 North Africa under the Muslim
Dynasties 789-1837 A.D.
- HIST-604 Fatimids in Egypt and
North Africa 909-1171 A.D.
- HIST-605 Ummayyads in Spain
712-1031 A.D.
- HIST-606 Decline of Muslims in Spain
1031-1492 A.D.
- HIST-607 Ottoman Rule 1288-1600 A.D.
- HIST-608 Ottoman Rule 1600-1923 A.D.

History of South Asia

- HIST-609 Indus Civilization
- HIST-610 Gandhara Civilization
- HIST-611 Arab Rule in Mekran, Sindh
and Multan 664-1000 A.C.
- HIST-612 History of the Ghaznavids
977-1186 A.D.
- HIST-613 Establishment of Muslim Rule

- in Bharat 1191-1398 A.D.
- HIST-614 Later Sultanate 1398-1526 A.D.
- HIST-615 History of the Great Mughals
1526-707 A.D.
- HIST-616 Administrative and Cultural
History of the Mughals
- HIST-617 Europe from Middle age to
Renaissance 1000-1500 A.D.

Muslim Intellectual History

- HIST-618 Evolution of Muslim Thought
under the persians.
- HIST-619 Evolution of Muslim Thought
under Mongols and Turks.
- HIST-620 Intellectual History of Muslim
India 8th to 15th Century
(including the Bhagti Movement).
- HIST-621 Evaluation of Muslim Thought in
Arab Times

Research Report and Thesis for M.A. Semester System

1. Research report should be given at the end of the second semester to the students on behalf of their assignments of first and second semester. The supervisors should present and defend the quality of their assignments before the departmental research committee and the decision will be taken on the research abilities of the students.
2. Research report should be due at the end of 3rd semester. If the supervisor feels that the student has the potential to do a thesis and has been assigned such a topic, the supervisor may recommend that research report be upgraded to a thesis.
3. The research report will be in lieu of one optional paper of the 3rd semester and provided that it is upgraded to a thesis, the student will also drop one optional course in the 4th semester. Thus a thesis will be of 200 marks in lieu of two papers and research report will carry 100 marks and equivalent to one paper.

M.Phil Programme Semester System

Eligibility

A candidate who has passed the M.A. (History) is eligible for admission provided that he/she has secured at least 45% marks in M.A. (History).

Course Outline

The description of Courses is given below:

Compulsory Courses:

1. Research Methodology
2. Philosophy of History-I
3. Philosophy of History-II

Semester-I

- 700 Research Methodology (Compulsory)
- 701 Philosophy of History-I (Compulsory)
- 702 The Freedom Movement

This paper will focus on research oriented study of a period, or a personality or an issue of the Freedom Movement, such as:

- A. The Freedom Movement
- B. Muslim Struggle for Separate homeland (1921-1939)
- C. Muslim Struggle for Separate homeland (1939-1947)
- D. The issues of Provincial Autonomy and All India Muslim League

- 703 Muslim History in South Asia

Purpose of this paper is to focus on the research oriented study of a period, an issue or a personality from the Muslim History in South Asia such as:

- A. Muslim history in South Asia 712-1206.
- B. Hindu Muslim Relations during the Muslim Rule.

Semester-II

- 704 Philosophy of History-II
(Compulsory)
- 705 Regional History of Pakistan

The purpose of this paper is to focus on the research oriented study of a period, an area or an issue from the history of any region of Pakistan as decided by the tutor such as:

- History of Punjab Under the Sikhs.
- History of Multan During Sultanate Period
- History of Multan under Mughals.
- Multan under British Rule (1849-1947)

- 706 Muslim Socio-Political Thought

Muslim Socio-Political Thought of region, on an issue, of a movement or thinker during a specific period as decided by the tutor will be focused with research oriented method such as:

- Muslim Socio-Political thought during the later Mughal.
- History of Muslim Education in India (1860-1920)
- Sir Syed Ahmed Khan and Muslim Separation in India (1860-1898)
- Conflict of Conservatism and Modernity among Indian Muslim.

- 707 Analysis of Historiography

The purpose of this paper is to focus on the research oriented study of historiography in any region, during a period, by any historian or on an issue as decided by the tutor such as:

- Muslim Historiography during the First and Second Century of Hijra.
- British historiography of Muslim India.
- Historiography in Pakistan.
- Elphinstones's History of India.
- Two Nation theory in Historiography.

Semester-III & IV

- A student will opt. thesis of 200 marks. The name of the supervisor and topic of the M.Phil thesis shall be preferably decided before the end of the second semester.
- The time for thesis shall be counted after the declaration of the results of the second semester.
- Research work shall be completed and thesis be submitted by the end of 4th semester for evaluation on the recommendations of the Supervisor and Converner Board of Studies.

Diploma Programme

(I) Community Development Studies
(II) Women's Studies

Nature of Programme

The Diploma in community development studies is designed to prepare students for careers in community and human service as administrators, designers, planners and researchers. The programme emphasis social analysis of communities, design and planning. It will be helpful to provide assistance and guidance of those Non-Governmental Organizations (NGOs), working in the directions of community development. Specialization includes rural and urban communities as well as issues related to agriculture.

Another compelling reason for offering this programme by the Department of History is that it will provide to students more natural learning environment in which they will become more active and practical in their studies. Besides the prescribed course work, Seminars and workshops would be arranged from time to time. In the same way, instructional programme would be launched through media that directly benefit the community.

Initially, the duration of the Diploma in

Community Development Studies is 9 months, however, the time span could be extended gradually, (approximately, one-year) if the constant encouragement and positive response is observed in this regard. It is an evening programme which will provide an excellent opportunity to those who are already engaged with different professions, while it shall also be open to all other categories of students.

Course Description:

There shall be four written papers of 100 marks each and research report of 100 marks. The details of the papers are given below:-

- Paper-I: Meanings, Nature and Different Aspects of Community Development in Pakistan.
- Paper-II: Sustainable Development
- Paper-III: Gender and Community Development
- Paper-IV: Policy-oriented Research, Techniques and Evaluation.

Course Evaluation:

Class grade will be decided on the basis of one mid-term exam (30%) one final exam (30%), class participation and presentation (20%) and one term paper (20%).

Note: The instruction for class presentation and term paper will be given in class.

Eligibility:

The candidates who have passed B.A./B.Sc. examination, securing at least 45% marks are eligible for admission to the Diploma Programme in Community Development Studies.

Note: Commencement of the Courses will be subject to the admission of minimum twenty five nos. of students.

(II) Diploma in Women's Studies

Nature of Programme

The Diploma in Women's Studies is a special programme for mature students in order to provide a clear and more comprehensive understanding of the historical cultural, economic and political aspects of women's lives in Pakistan. It is a one year diploma programme which provides an excellent opportunity to those who are already working in the directions particularly, associated with NGOs. In this programme the women issues would be incorporated in course recommended for the diploma and the research would be encouraged on identified areas and subjects, particularly related to the southern parts of the Punjab. The women's studies is based on four dimension i.e. Teaching, research, training and extension.

1. Teaching
2. Research
3. Training
4. Extension

There shall be three written papers of 100 marks each and research report of 200 marks.

The details of the papers are given below:-

- | | |
|--|-----|
| 1. Women and Gender Issues in Pakistan | 100 |
| 2. The History of Women's Education and Challenge of Development | 100 |
| 3. The Social and Economic Position of Women | 100 |

(Access to health facilities, employment and political participation)

Course Evaluation:

Class grade will be decided on the basis of one mid-term exam (30%), one final exam (30%), class participation and presentation (20%) and one term paper (20%).

Note: The instruction for class presentation and term paper will be given in class.

Eligibility:

The candidates who have passed B.A./B.Sc. examination, securing at least 45% marks are eligible for admission to the Diploma Programme in Community Development Studies.

Note: Commencement of the classes will be subject to the admission of minimum of twenty five nos. of students.

Department of Pakistan Studies

| | |
|------------------------|---|
| Established: | 1998 |
| Programmes of Studies: | M.A., M.Phil. and Ph.D. |
| Enrollment: | See the Chart No.1 for details |
| Prerequisites: | B.A/B.Sc. |
| Chairperson: | Prof. Dr. Azra Asghar Ali |
| Students' Advisor: | Dr. Muhammad Farooq (for Boys) Miss Lubna Kanwal (for Girls) |

Introduction

The Department of Pakistan Studies came into existence as a result of bifurcation of the Department of History and Pakistan Studies on June 04, 1998. The Department of History and Pakistan Studies was established in 1976. Initially a diploma course in Pakistan Studies was introduced which was up-graded into a full-fledged M.A. Programme in 1987.

The subject of Pakistan Studies is interdisciplinary and encompasses various aspects of Pakistan's history and culture. The main purpose of M.A. in Pakistan Studies is to provide an in-depth understanding of Pakistan. The Programme therefore offers courses consisting of History, Political Science, Geography, Economics, Foreign Relations, Sociology and Literature of Pakistan. The Department offers teaching and research facilities for M.A. and Ph.D. Scholars. A regular M.Phil Programme has been started in the department. Information regarding these programmes can be obtained from the office.

Admission

The detail of seats each for admission to M.A. Pakistan is given in Chart No.1. The Departmental Admission Committee, according to the admission/merit criteria laid down by the Department, will make the admission to M.A. part-I under semester system.

Departmental Admission Committee

| | |
|---------------------------|-------------|
| Prof. Dr. Azra Asghar Ali | Chairperson |
| Dr. Muhammad Farooq | Member |
| Dr. Muhammad Ishaque Fani | Member |
| Mr. Ejaz Hussain Khokhar | Member |

Eligibility for M.A. in Pakistan Studies

- Admission in the M.A. Pakistan Studies will be granted to the application on the basis of their B.A./BSc. results and performance in admission test (if notified in the prospectus).
- Applicants must be at least a Graduate with Pakistan Studies, Economics, History, Geography, Political Science, Sociology and Philosophy as elective subject) with a minimum of second division, (45% marks) from a recognized university to be eligible for the admission in M.A. Pakistan Studies Program. Twenty marks will be included for *Hifza-e-Quran*. The age limit will be 26 years. There shall be no discrimination on the basis of sex, creed, religion and region.
- Admission of all students will be provisional and subject to the final approval by the Bahauddin Zakariya University, Multan.
- The Vice-Chancellor, the Dean, or the Chairman of the Department may refuse admission to any candidate to the Department without assigning any reason.

Computation of Merit

The merit will be determined on the basis of aggregate marks secured in B.A./BSc. examination. However ten (10) additional marks (per elective subject) will be added for subjects, i.e. Pakistan Studies, History, Political Science, Economics, Geography, Sociology and Philosophy, plus twenty marks for Hafiz-Quran.

Outline of Syllabus M.A. Pakistan Studies (Under Semester System)

Semester-I

(Compulsory Courses)

Credit Hours 3

| Course Title No. | Marks |
|---|-------|
| PS-500 Muslim Nationalism in South Asia (1857-1935) | 100 |
| PS-501 Geography of Pakistan | 100 |
| PS-502 Constitutional and Political Development in Pakistan (1947-1977) | 100 |
| PS-503 Foreign Policy of Pakistan | 100 |
| PS-504 Economic Development of Pakistan (Paper-I) | 100 |

Semester-II

| | | |
|--------|--|-----|
| PS-505 | Muslim Nationalism in South Asia (1935-1947) | 100 |
| PS-506 | Constitutional and political development 1977-2002 | 100 |
| PS-507 | Research Methodology | 100 |
| PS-508 | Pakistani Society and Culture | 100 |
| PS-509 | Economic Development of Pakistan (Paper-II) | 100 |

Semester-III

(Compulsory & Optional Courses)

| | | |
|-----------------|--|-----|
| PS-600 | Research Methodology (compulsory) | 100 |
| optional | | |
| PS-601 | Cultural Heritage of Pakistan From 712 AD to 1947 | 100 |
| PS-602 | Language and Literature | 100 |
| PS-603 | Cultural Heritage of Pakistan: From Earliest Time to 712 | 100 |
| PS-604 | Political Parties and Pressure Groups in Pakistan | 100 |
| PS-605 | Spiritual Heritage of Muslims in South Asia | 100 |
| PS-606 | Muslim Religious and Mystical Thought in South Asia | 100 |
| PS-607 | Muslim Gender and Society in Colonial India 1857-1947 | 100 |

Semester-IV

(Optional Courses)

| | | |
|--------|--|-----|
| PS-608 | Political Culture and Democratic System of Pakistan | 100 |
| PS-609 | Human Rights in Pakistan | 100 |
| PS-610 | Political Economy of Pakistan | 100 |
| PS-611 | Strategic Problems and Defense Policy of Pakistan | 100 |
| PS-612 | Sociology of Pakistan (Compulsory) | 100 |
| PS-613 | Political and Constitutional Development in Pakistan (1977-2002) | 100 |
| PS-614 | Agricultural Development in Pakistan | 100 |
| PS-615 | Administrative and Legal System of Pakistan | 100 |

Note: In lieu of two optional papers, a student may opt for a thesis of 200 marks, in consultation with the Department. Only those students may be allowed to opt for theses who have passed Part -I Examination, securing at least 55% marks.

M.Phil Pakistan Studies

M.Phil leading to Ph.D. in Pakistan Studies is a new academic programme of an unconventional and innovative character both in its concept and purpose. As a degree course, it does not come under commonly defined single-discipline subjects of humanities and social sciences such as Philosophy and Literature, or Economics and Sociology. It is a multi-disciplinary programme encompassing all major disciplines in such a way as to integrate various aspects of Pakistan's life and society with an academic approach. The programme offers course in Pakistan Studies, History, Literatures, Economics, Political Science, International Relations, Geography and Sociology.

Eligibility

- The admissions shall be held once in a year as per schedule notified by the University with the consent of the respective department/ center/ institute/ and College.
- All the candidates having the Master Degree in the relevant subjects mentioned above with at least 2nd Division i.e. 45% marks should be eligible to apply for admission to M.Phil class.
- There shall be no discrimination on the basis of sex, creed, religion or region.
- Each candidate has to pass the admission test, of 40% marks, conducted by the Admission Committee of the Department concerned, for qualifying for admission to M.Phil Program.

- Admission of all students will be provisional and subject to the final approval by the Bahauddin Zakariya University, Multan.
- The Vice-Chancellor, the Dean, or the Chairman of the Department may refuse admission to any candidate without assigning any reason.
- Maximum upper age limit seeking admission to M.Phil program in any discipline shall be forty-five years on the last date fixed for receipt of applications.

Outline of Syllabus**M.Phil. Pakistan Studies (Under Semester System)****Semester-I (Compulsory)**

| Course Title No. | Marks |
|--|-------|
| PS-700 Philosophy of Social Sciences | 100 |
| PS-701 Research Methodology | 100 |
| PS-702 Pakistan and Contemporary World | 100 |
| PS-703 Government and Politics of Pakistan | 100 |

Semester-II (Optional)

| | |
|---|-----|
| PS-704 Women and Gender Issues in Pakistan | 100 |
| PS-705 Linguistic Anthropology in Pakistan | 100 |
| PS-706 A Comparative Study of Muslim Leadership in Sub-continent (1858 –1947) | 100 |
| PS-707 Special Study of Quaid-i-Azam Muhammad Ali Jinnah | 100 |
| PS-708 Special Study of Allama Muhammad Iqbal | 100 |
| PS-709 Government and Politics in Pakistan | 100 |
| PS-710 The problems of national integration in Pakistan | 100 |
| PS-711 Economic Development and Planning in Pakistan | 100 |

Department of Political Science & International Relations

| | |
|-------------------------------|--|
| Established: | 1975 |
| Programmes of Studies: | <i>M.A. Political Science M.A. International Relations M.Phil (Political Science) by Course & Research Ph.D. (by Research)</i> |
| Enrollment: | <i>See the Chart No.1 for details</i> |
| Prerequisites: | <i>Ph.D. Rules Available with the Registrar's office</i> |
| <i>M.A. Pol. Science</i> | <i>B.A. with Political Science as an Elective Subject.</i> |
| <i>M.A. Int. Relations</i> | <i>B.A./B.Sc.</i> |
| <i>M.Phil in Pol. Science</i> | <i>M.A. Pol. Science International Relations, and Defence & Strategic Studies.</i> |
| Chairman: | <i>Prof. Dr. Syed Khawaja Alqama</i> |
| Students' Advisors: | <i>Prof. Dr. S. Kh. Alqama (I.R) Mr. Yasir Sharif (Pol. Science)</i> |

Introduction

The Department came into existence when M.A. Political Science classes, being held at the Government College, Multan since 1963, were shifted to the Bahauddin Zakariya University (then University of Multan) in 1975. The Department started functioning in a rented building in Gulgash Colony, Multan. In 1980, it moved to the Language Block (IOL) and finally to its present building in 1986.

In the beginning, the Department had a strength of 35 students and three staff members, borrowed from Government College, Multan. At present there are seven staff Members among whom five hold Ph.D., one M.Phil. Degree, and one is working on research projects leading to Ph.D. The Department provides teaching and research facilities at M.A., M.Phil and Ph.D. levels. Information regarding Ph.D. programme can be had from the Chairman of the Department. The

Department has been progressively enhancing its research activities. At present, 10 scholars have been registered for Ph.D. degree.

In addition to M.A. Political Science, the Department is successfully running an evening programme of Master's Degree in International Relations on self finance basis. M.Phil in Political Science was also launched on regular basis in 2001.

The Library of the Department is well equipped. There are five thousand books in the library containing modern and old manuscripts. A sizable number of Research Journals is also available to cater the needs of the students, teachers and researchers. The students are also encouraged to go on study of historical places/institutions as part of their studies for M.A. degree.

Departmental Admission Committee:

| | |
|-----------------------------|------------------|
| Prof. Dr. S. Khawaja Alqama | Chairman |
| Mr. Fayyaz Ahmad Hussain | Secretary/Member |
| Dr. Shahnaz Tariq | Member |

Departmental Research Committee:

| |
|----------------------------------|
| Prof. Dr. S. Khawaja Alqama |
| Prof. Dr. Ishtiaq Ahmad Chaudary |
| Mr. Fayyaz Ahmad Hussain |

Admission

M.A. Pol. Science (Morning)

The detail of seats for admission to M.A. Political Science Part-I class is given in the Chart No.1. The admission to Part-I class is made by the Departmental Admission Committee according to the admission/merit criteria laid down by the Department.

M.A. International Relations (Evening)

The Department admits 50 students (maximum) under the self-finance system to Part-I class of M.A. International Relations (evening). The detail of seats for admission to M.A. International Relations Part-I evening class is given in the chart No. 1.

M. Phil Programme in Pol. Science

The Department has introduced M.Phil. Programme under Semester System w.e.f. the session 2001. The students are required to undergo a course work of two semester's duration. After successful completion of the course work, the students are required to take up a research project and have to submit a thesis within one year after the completion of their course work. At present the first batch of 19-students has completed its course work and has started research.

Eligibility

M.A. Pol. Science

The candidates who have passed B.A. Examination with Pol. Science as an elective subject (of 200 marks), securing at least second division as a whole, are eligible for admission.

M.A. International Relations (Evening)

Admission shall be opened to all graduates obtaining at least second division marks in their Bachelor Examination. However, weightage shall be given to those applicants who have studied various subjects of Social Sciences for their Bachelor Examination.

M.Phil in Political Science

Admission shall be opened to the holders of Second Divisions Master Degree in Political Science, International Relation, Defence & Strategic Studies, and Pakistan Studies.

Computation of Merit

M.A. Pol. Science

The merit for admission in M.A. Part-I class will be determined as under:-

Aggregate marks obtained in B.A. plus marks of Political Science as an elective subject plus 20 marks for Hifz-e-Quran.

M.A. International Relations (Evening)

Marks obtained in B.A./B.Sc., plus 10 marks for Political Science as an Elective subject plus 10 marks each for Economics, History, Pakistan Studies, Education, International Relations, Philosophy and Sociology as elective subjects; plus 20 marks for Hifz-e-Quran.

M.Phil Political Science (Morning)

The applicants shall have to take entry test and shall be required to appear for interview before the Departmental Admission Committee which shall prepare the list of successful applicants in the order of merit on the basis of their performance in entry test and the interview.

M.A. Political Science Semester System Programme

First two semesters shall comprise of five (5) compulsory courses each semester. There shall be three (3) compulsory and two (2) optional courses in 3rd semester and two (2) compulsory and three (3) optional courses in the 4th semester.

Semester-I

| Course No. | Title |
|------------|---|
| POLS-501 | Dynamics of Politics in Pakistan. |
| POLS-502 | Genesis of Pakistan. |
| POLS-503 | Political Sociology. |
| POLS-504 | Comparative Politics. |
| POLS-505 | Theories and Concepts of International Relations. |

Semester-II

| | |
|----------|---------------------------|
| POLS-506 | Western Political Thought |
| POLS-507 | Muslim Political Thought |
| POLS-508 | Developmental Politics |
| POLS-509 | Political Economy |
| POLS-510 | Research Methodology |

Semester-III

| | |
|----------|---------------------------------------|
| POLS-511 | Political System of USA & UK |
| POLS-512 | The Muslim World: Dynamics and Issues |
| POLS-513 | External Relations of Pakistan |

Two of any optional courses of six credit hours (listed below)

Optional Courses

| | |
|----------|--|
| POLS-601 | Western Political Philosophy (Modern) |
| POLS-602 | Muslim Political Philosophy (Modern) |
| POLS-603 | Foreign Policy of Major Powers |
| POLS-604 | Diplomatic Relations |
| POLS-605 | International Organization |
| POLS-606 | International Law-I |
| POLS-607 | Business Administration |
| POLS-608 | Modern Political thought (Western) |
| POLS-609 | Public Policy |
| POLS-610 | Public Administration in Pakistan |
| POLS-611 | Political Parties & Pressure Groups |
| POLS-612 | Politics of International Human Rights |

Semester-IV

| | |
|----------|--|
| POLS-514 | Political Geography |
| POLS-515 | Constitutional Development in Pakistan |

Three of any optional courses of six credit hours (listed below)

Optional Courses

| | |
|----------|---|
| POLS-613 | International Law-II |
| POLS-614 | Local Self Government |
| POLS-615 | Public Administration |
| POLS-616 | Defence and Strategic Studies |
| POLS-617 | Muslim Political Thought (Modern) |
| POLS-618 | Political System of South Asia (India, Nepal, Bangladesh and Sri Lanka) |

- POLS-619 Strategic Studies of Good Governance
 POLS-620 Political Parties and Elections in Pakistan
 POLS-621 Quantitative Analysis and Computer Application in Social Sciences
 POLS-622 Regional Organizations
 POLS-623 Politics of Globalization

M.A. International Relations

All courses are compulsory

Semester-I

- IR-101 Development of International Relations.
 IR-102 International Law-I
 IR-103 Research Methodology
 IR-104 Foreign Policy Analysis
 IR-105 Foreign Policies of China; Russia and India.

Semester-II

All courses are compulsory.

- IR-106 International Political Economy
 IR-107 International Law-II
 IR-108 Theories of International Relations-A comparative study.
 IR-109 Foreign Policy of the United States with special reference to the contemporary Issues.
 IR-110 Foreign Policy of Pakistan

Semester-III

Courses No. 111 to 113 are compulsory.

- IR-111 Conflict Resolution/Management
 IR-112 Defence and Strategic Studies
 IR-113 Political Geography

Two of any optional courses of six credit hours (listed below).

Semester-IV

Courses No. 114 to 115 are compulsory.

- IR-114 Emergence of Regions-A Case Study

- IR-115 A case study of Regional Conflicts

Two of any optional courses of six credit hours (listed below).

Optional Papers

- IR-116 Politics of Human Rights
 IR-117 Feminist Movement
 IR-118 Globalization and Regionalism in the Post Cold War Era.
 IR-119 United Nations and the Issues of Peace Security and Collective Security.
 IR-120 Diplomacy
 IR-121 Crisis Management
 IR-122 Politics in the Middle East.
 IR-123 Politics of Regional Organizations.
 IR-124 Foreign Policy of Big-Powers (US, Russia and China).
 IR-125 Area Focused Studies: South Asia, South East Asia, Central Asia, Middle East (Any one of the above).
 IR-126 Dynamics of the Muslim World.
 IR-127 Thesis: Report of 8 to 10 thousand words.
 IR-128 North-West Economic Relations.
 IR-129 International and Regional Organizations.
 IR-130 Research Report

M.Phil in Political Science

Each course is equivalent to 3 credit hours. All students shall have to pass the four (4) compulsory courses in the first semester. In the second semester they can take any four optional courses given below:-

Compulsory Courses:

- | Course No. | Title |
|------------|--|
| PS-101 | Research Methodology in Social Science |
| PS-102 | Comparative Politics Theory |
| PS-103 | International Relations Theory |
| PS-104 | International Political Economy |

Optional Courses

- PS-201 Issues in Global Politics.
 PS-202 Organization Theory and Management.
 PS-203 Public Policy Governance, and Sustainable Development.
 PS-204 Western Political Philosophy Selected Thinkers.
 PS-205 Modern Islamic Political Philosophy.
 PS-206 Political Sociology.
 PS-207 The Muslim World and International Politics Since 1945.
 PS-208 International Organizations in the Contemporary World.
 PS-209 Local Government; Theory and Practice.
 PS-210 Area Study (Middle East, Central Asia, Africa South Asia Etc.). The course will be focus on one region only) Covering Domestic Politics of International Relations of Both).
 PS-211 An in-depth study of a Country or one or two Inter-Related Issues to be determined by the Chairman (i.e. China, Russia, France, Transnational Muslims Movements, Ethnicity, Federalism, Eco, SAARC, EU, etc.).
 PS-212 Media and International Politics.
 PS-213 Representation, Elections and Electoral Process.
 PS-214 Politics and Society in Pakistan (An Issue-Oriented Course)
 PS-215 Issue and Dynamics of Muslim Identity and State Formation in South Asia in the 20th Century.

(In any given semester, the course offering depends on the availability of Instructors).

Department of Mass Communication

| | |
|-------------------------|--|
| Established : | 1996 |
| Programmes of Studies : | M.A., M.Phil., Ph.D. |
| Enrollment: | (Morning & Evening) <i>See the Chart No.1 for details</i> |
| Prerequisites: | B.A/B. Sc. |
| Chairman: | Dr. Karim Malik |
| Students' Advisor : | Babar Khakan |

Introduction

The Department of Mass Communication came into being with the bifurcation of the Department of Political Science and Mass Communication on 15-12-1996. Previously in its old shape the Department was pursuing an evening programme of diploma course in Mass Communication since 1987, which was upgraded to Master's level in 1991, fulfilling the desire and demand of the people of the region. At present, the regular teaching staff for Mass Communication consists of two Associate Professors, and one Assistant Professor holding Ph.D. degrees and two lecturer holding master degree in the subject. In addition to this there are 4 part-time teachers who come from other departments of the University and outside the University to teach various courses and deliver extension lectures.

The Department provides teaching and research facilities at M.A., M.Phil and Ph.D. level. Information regarding Ph.D. programme may be had from the office of the Department. The Department is progressively enhancing its research activities. At present, six scholars have been registered for Ph.D. degree. Four scholars have completed their Ph.D. from the Department.

The purpose envisaged of M.A. Mass Communication programme is to introduce positive values to the media market and to equip young people with the latest knowledge and skills so that they enter into the profession of Mass Communication (Journalism) to play their effective role in national reconstruction and development.

Evening Class of M.A. Mass Communication

Since 1996 evening classes of M.A. Part-I & II of Mass Communication have been started which are functioning successfully.

The Library of the Department

The Library of the department is well equipped with the latest books

related to advanced media science i.e. on line journalism, digital technology, modern mass media research, modern TV Production related books and community relation books etc. Videocassette and CDS pertaining to various disciplines of media studies are also available in the department. To impart the advanced knowledge of Mass Communication, the Professors are using the modern technique of audiovisual in this regard.

Development of Communication Skills

Group discussions, seminars, symposiums, debates and speech competitions are of and on arranged by the department, in order to develop and polish the communication skills of the future media practitioner of Pakistan.

Similarly, renowned print and electronic media practitioners, experts of public relations and advertising, academicians and researchers of media studies, human rights activists and experts of certain media disciplines are frequently invited in the department for delivering extension mind boggling and thought provoking lectures regarding the latest scenarios of various aspects of media development in the globe in general, and Pakistan in particular.

The Future Development Projects of Mass Communication

It is significant development in the history of Mass Communication department that PCI of the separate building of the department has been approved, as well as the space, and amount in this regard has been allocated by the concerned authorities. This mega project would be accomplished within couple of years.

Moreover, Community Radio Station with range of more than 35 Kilometer, TV production centre on small scale; Media lab. equipped with latest facilities and Photo lab. would be established in coming years.

The department of media studies is going to provide practical facilities in the disciplines of TV production, reporting, advertising and radio journalism, in order to meet and cope with emerging challenges of 21st century which is truly called the century and millennium of information technology and media advancement. The department is going to offer the subjects of on line Journalism (Internet Journalism), Agriculture Communication and other disciplines to meet the needs of the one world and its markets largest.

Co curricular activities

Similarly, extra curricular activities like quiz show, reception and fare well programmes sports weeks, study and recreational trips as well as programme of performing arts are being organized by the various societies of the students of the department. The students are also encouraged to participate in study tours of historical places and media institutions as a part of their studies for M.A. and M.Phil Degree.

Sports Activities and Reserved Set for Sports Person

Department is very keen to promote physical health activities of the students and offering 1% sports quota in the light of the Prime Minister's directive that in admission of M.A. basis.

Admission

The detail of seats for admission to M.A. Semester-I class is given in the Chart No.1. The admission to Semester-I will be made by the following Department Admission Committee, according to the admission/merit criteria laid down by the Department.

Department Admission Committee

Dr. Karim Malik
Chairman
Dr. Muhammad Ashraf Khan
Member
Mr. Babar Khakan
Secretary

Eligibility

The Candidates who have passed B.A./B.Sc. Examination, securing at least 45% marks in aggregate are eligible for admission to M.A. Semester-I class.

Computation of Merit

The merit will be determined as under:

Aggregate marks obtained in B.A./B.Sc., plus 10 marks for journalism (elective/optional),

plus 20 marks for Hifz-e-Quran.

M.Phil Class of Mass Communication

M.Phil classes of Mass Communication have been started recently. This programme is running very successfully. Department of Mass Communication Bahauddin Zakariya University, is the second department / university after Punjab University, which is offering M.Phil programme in the subject.

Semester System

Semester system is being introduced at M.A. and M.Phil level with effect from session 2003-2004.

Revised Curriculum for M.A. Mass Communication Semester System (Morning & Afternoon)

M.A.

Semester-I

| Course No. | Title | Crd. Hrs./Marks |
|------------|---|-----------------|
| Mass-701 | Journalistic Language (English or Urdu) | 3 (100 Marks) |
| Mass-702 | Reporting-I | 3 (100 Marks) |
| Mass-703 | Editorial, Feature and Columns Writing | 3 (100 Marks) |
| Mass-704 | Basic concepts in Social Sciences | 3 (100 Marks) |
| Mass-705 | Research Methods-I | 3 (100 Marks) |

(All Compulsory)

Semester-II

| | | |
|----------|---|---------------|
| Mass-706 | Radio Journalism | 3 (100 Marks) |
| Mass-707 | Reporting-II | 3 (100 Marks) |
| Mass-708 | Mass Media in Pakistan, History, Law and Ethics | 3 (100 Marks) |

| | | |
|----------|--|---------------|
| Mass-709 | Research Methods-II | 3 (100 Marks) |
| Mass-710 | National/ International Affairs & Globalization of Media | 3 (100 Marks) |

(All Compulsory)

Semester-III

| | | |
|----------|---------------------|---------------|
| Mass-711 | Sub-Editing | 3 (100 Marks) |
| Mass-712 | Advertising | 3 (100 Marks) |
| Mass-713 | Public Relations | 3 (100 Marks) |
| Mass-714 | TV Journalism | 3 (100 Marks) |
| Mass-715 | Rural Communication | 3 (100 Marks) |

(All Compulsory)

Semester-IV

| | | |
|----------|-----------------------------------|---------------|
| Mass-716 | Theories of Mass Communication | 3 (100 Marks) |
| Mass-717 | Development Support Communication | 3 (100 Marks) |
| Mass-718 | Magazine Journalism | 3 (100 Marks) |

Optional Courses

| | | |
|--------------|---------------------------|---------------|
| Mass-719-720 | Research Project (Thesis) | 3 (100 Marks) |
| Mass-721 | Community Journalism | 3 (100 Marks) |
| Mass-722 | Media Management | 3 (100 Marks) |
| Mass-723 | Development Journalism | 3 (100 Marks) |
| Mass-724 | Sports Journalism | 3 (100 Marks) |

(Students are required to opt Thesis or two Courses of 100 Marks each)

Outline of Syllabus M.Phil Programme

Semester-I

Course Title of the course

No.

- | | |
|-----|--------------------------|
| 201 | Communication Theories-I |
| 202 | Research Method-I |
| 203 | Mass Media and Society |

Semester-II

- | | |
|-----|-----------------------------|
| 204 | International Communication |
| 205 | Research Method-II |
| 206 | Communication Theories-II |

Semester-III

- | | |
|-----|------------------------------------|
| 207 | Computer Tutorial |
| 208 | Seminars on different Media Issues |
| | Synopsis Presentation |

Semester-IV

Thesis

Department of Library and Information Science

| | |
|-------------------------|--|
| Established: | 2004 |
| Programmes of Studies : | <i>Master of Library and Information Science (Evening Programme)</i> |
| Enrollment: | 46 (Merit 40, Reserved 6) |
| Prerequisites: | B.A/B.Sc./B.Com. |
| Dean: | Shah Nawaz Malik |
| Chairman: | Prof. Dr. Zafar Iqbal |
| Librarian: | Maqbool Ahmad Chaudhry |
| Co-ordinator: | Imtiaz Ahmad |
| Students' Advisor : | Muhammad Naushad Ghazanfar |

Introduction

The Department of Library and Information science was approved by the Bahauddin Zakariya University, Multan, in the year 2004 in response to a growing demand by the student community in general and particularly in the area of Southern Punjab. The launching of this Master's programme from this academic session will be yet another academic facility extended to this region by the Bahauddin Zakariya University, Multan, which has been striving hard to cater for all the needs of the students in this area. The classes will initially start in the building of the Central Library which has almost all the facilities required for starting a class work efficiently. But the department will eventually move to the new building of the Department of English, which has been planed to be elevated to the status of an institute in due course of time.

Facilities

Since the Department is initially being lunched in the Central Library, prospective students can use all the facilities in the building. These include text books, research journals, computer labs, free internet service, union catalogue of the Bahauddin Zakariya University libraries and the digital library facility etc.

Admission

The Departmental admission Committee will make admissions according to the Admission/Merit criteria laid down by the university. The details of the seats are given in chart no. 1. There is no age limit for the candidates seeking admission in this course.

Departmental Admission Committee

| | |
|-----------------------|------------------|
| Prof. Dr. Zafar Iqbal | Incharge |
| Muhammad Abdul Majeed | Member/Secretary |
| Sajjad Ahmad Larr | Member |
| Muhammad Ayub | Member |

Eligibility

Candidates are required to be at least Graduate (B.A./B.Sc., B.Com etc.) with a minimum of 2nd division (45% marks).

Computation of Merit

The merit will be determined as under:

Aggregate marks obtained in B.A./B.Sc./B.Com., plus 20 marks for Hifz-e-Quran.

Semester System

Semester system is being introduced at M.A. level with effect from session 2004.

Outline of Courses: M.A. Library and Information Science (Evening Programme)

Semester-I

| Course No. | Title | Each Course Contains 3 Credit Hours |
|------------|---|-------------------------------------|
| LIS-501 | Foundation of Librarianship | |
| LIS-502 | Introduction to Information Science | |
| LIS-503 | Theory and Practice of Cataloguing | |
| LIS-504 | Theory and Practice of Classification | |
| LIS-505 | Management of Libraries & Information Centers | |
| LIS-506 | Collection Development and Management | |

Semester-II

- LIS-507 Information Technology and Libraries
 LIS-508 Theory and Practice of Bibliography
 LIS-509 Information and Reference Services and Sources
 LIS-510 Communication and Media Librarianship
 (Any one of LIS-511 to LIS-514)
 LIS-511 Literature of Science & Technology
 LIS-512 Literature of Social Sciences
 LIS-513 Literature of Humanities
 LIS-514 Literature of Islam and Pakistan

Semester-III

- LIS-601 Research Methods in Library and Information Science
 LIS-602 Management of Serial Publications
 LIS-603 Advanced Management Techniques and Operations
 Optional Courses
 A student will opt two courses from LIS-604 to LIS-612
 LIS-604 Special Libraries
 LIS-605 Law Libraries
 LIS-606 Agricultural Libraries
 LIS-607 Health and Medical Sciences Libraries
 LIS-608 Science and Technology Libraries
 LIS-609 Academic Libraries
 LIS-610 School Libraries
 LIS-611 Public Libraries

Semester-IV

- LIS-612 Marketing of Library and Information Services
 LIS-613 Practicum

Optional Courses

A student will opt four courses from LIS-614 to LIS-619

- LIS-614 Applied Library Automation
 LIS-615 Resource Sharing and Networking
 LIS-616 Public Records, Rare Materials and their Conservation
 LIS-617 Indexing and Abstracting
 LIS-618 International & Comparative Librarianship
 LIS-619 Thesis and Viva Voce (6 Credits)

Institute of Pure and Applied Biology

Established: 1984

Programmes of Studies:

Botany:

B.S. (4 years), M.Sc.; M.Phil.; Ph.D.

Zoology:

B.S. (4 years), M.Sc.; M.Phil.; Ph.D.

Enrollment:

Botany:

See the Chart No.1 for details

Zoology:

See the Chart No.1 for details

Director:

Prof. Dr. Abdus Salam

Students' Advisor:

Botany:

Prof. Dr. Altaf A. Dasti

Zoology:

Dr. Muhammad Ali

Introduction

The Institute of Pure and Applied Biology was established in 1984. At present, the Division of Botany and Zoology are functioning. Division of Applied Microbiology, Genetics and Environmental Sciences are expected to be added in future. Other departments in applied fields of national importance will be added further. Staff members of the Institute are working on several research projects.

In addition to the old scheme of M.Sc. of two years duration (after B.Sc.), the Institute is running the new scheme of B.S programme of four-year duration (after F.Sc.) in the Divisions of Botany & Zoology.

The Institute enjoys a good reputation of producing quality research of international standard. Efforts are being made to enhance research activity in the Institute through various research grants/projects financed by the Government/autonomous Institutions e.g. P.S.F; P.A.R.C etc. The Institute also shares its research activity with other leading scientific institutions within the country and abroad through collaborative research programmes. Teaching laboratories in the

Institute are reasonably equipped with scientific equipment/instruments. In addition to common laboratory equipments, the major scientific instruments are also available for teaching and research.

An adequate collection of textbooks, reference books and research journals are available in the Library of the Institute covering various disciplines of Botany, Zoology, Microbiology, Genetics, Fisheries, Wildlife, Animal & Plant Pathology and Freshwater Biology. These books are also available to the students from Book Bank of the University on loan basis.

Botany Division

The Botany Division started Functioning in 1984. This Division is lodged in the Biology Block. The programme of studies leading to B.S.4 years, /M.Sc./M.Phil/Ph.D. degree in the subject of Botany is being offered. The division has the facilities of air-conditioned green house and wire-netting houses, and experimental plots in the Botanical Garden for research/practical work. A study of plant life in different areas of Pakistan, especially in the Northern Regions, is part of B.S. 4 years, M.Sc. Botany Programme. These field courses are conducted by senior staff members. The students passing out of the departments are offered appointments in relevant sections of Education, Agriculture, Forest Department and Research Organizations.

Departmental Admission Committee

| | |
|-----------------------------|-----------|
| Prof. Dr. Abdus Salam | Chairman |
| Prof. Dr. Javed Iqbal Mirza | Member |
| Prof. Dr. Saeed Ahmad Malik | Secretary |

I. M.Sc. in Botany

The degree of M.Sc. in Botany would be awarded after successful completion of the courses of reading/practical and fulfilling the requirements as laid down by the B.Z.University, Multan. The minimum duration for M.Sc. degree is two academic sessions.

Eligibility:

A candidate who has passed B.Sc. (two years course) examination with Botany & Zoology as Elective subject is eligible for admission to M.Sc. Botany Part-I, provided that he/she has secured at least 45% marks in the relevant subject as well as in the aggregate of B.Sc.

Admission Criteria

The merit shall be determined as under:-

Aggregate marks of B.Sc., plus marks in the relevant subject Botany, plus 10 marks for Chemistry/Biochemistry plus 20 Marks for Hifz-e-Quran

2. M.Phil in Botany

The programme of studies for the degree of M.Phil in the subject of Botany was started after upgrading the faculty. This Division after establishment gradually developed its academic programme up to Ph.D. level.

Eligibility:

A candidate who has passed M.Sc. Botany (two years course) examination at least with second division.

Admission Criteria

The merit shall be determined as under:-

| | | |
|-----------------|---|---|
| Admission Test | = | 35 marks (no negative marking in the test) |
| Interview | = | 10 marks |
| Academic Record | = | 50 marks |
| Experience | = | 1 mark per year up to maximum of 5 marks (teaching/research professional) |
| Total: | = | 100 marks |

Outline of Syllabus M.Sc. (BOTANY)

Part-I

The student will take the following courses.

| Paper No. | Title | Marks |
|-------------------|-----------------------------|-------|
| Semester-I | | |
| 1. | BOT 301 Algae | |
| 2. | BOT 303 Mycology | |
| 3. | BOT 305 Advances in Anatomy | |

4. BOT 307 Economic Botany
5. BOT 309 Bryophytes and Pteridophytes

Semester-II

1. BOT 302 Plant Biochemistry
2. BOT 304 Plant Pathology
3. BOT 306 Molecular Biology
4. BOT 308 Plant Autecology
5. BOT 310 Syn ecology

Part-II

Semester-III

1. BOT 401 Plant Physiology
2. BOT 403 Molecular Genetics
3. BOT 405 Hormones / Research
4. BOT 407 Bio-Technology/Research
5. BOT 409 Plant Breeding

Semester-IV

1. BOT 402 Environmental Biology
2. BOT 404 Biostatistic and Computing
3. BOT 406 Salinity / Research
4. BOT 408 Stress Physiology / Research
5. BOT 410 Waterlogging

Thesis/Dissertation/Research Report 200 Marks

In lieu of two optional papers, a student may opt for Thesis/Dissertation/Research Report of 200 marks, in consultation with the Department. Only those students may be allowed to opt for Thesis/Dissertation/Research Report who have passed Part-I Examination, securing at least 55% marks.

Note: A Student will have to pass the Theory and Practical parts of the papers separately. The failure in one or the other part will mean failure in that particular paper.

Zoology Division

The Zoology Division started functioning in 1987. This Division is lodged in the Biology Block. The programme of studies leading to B.S. 4 years, /M.Sc./M.Phil/Ph.D degrees in the subject of Zoology is being offered. The study tours are also organized for the students to collect and study fauna from different areas of Pakistan as a requirement of their studies. The Division has established a museum and animal house for the study and research purpose. Environmental Biology, Fisheries, Wildlife, Limnology and Parasitology are the main fields of research activities. The students completing studies from this department will have an awareness of the diversity of animals (expressed in their structure, Physiology, life cycles and development). The students will be aware of strategies to increase meat (fish and live stock), milk and wool production and have an insight into recent parasitic and pest control programmes. The graduates of the Division are accepted in Agriculture, Fisheries, Wildlife, PMNH, Universities and PARC apart from the relevant section of the Education Department.

Department Admission Committee

| | |
|-----------------------|-----------|
| Prof. Dr. Abdus Salam | Chairman |
| Dr. Aleem Ahmad Khan | Member |
| Dr. Muhammad Ali | Secretary |

I. M.Sc. in Zoology

The degree of M.Sc. in Zoology would be awarded after successful completion of the courses of reading/practical and fulfilling the requirements as laid down by the B.Z.University, Multan. The minimum duration for M.Sc. degree is two academic sessions.

Eligibility:

A candidate who has passed B.Sc. (two years course) examination with Botany & Zoology as Elective subject is eligible for admission to

M.Sc. Zoology Part-I, provided that he/she has secured at least 45% marks in the relevant subject as well as in the aggregate of B.Sc.

Admission Criteria

The merit shall be determined as under:-

Aggregate marks of B.Sc., plus marks in the relevant subject Zoology, plus 10 marks for Chemistry/Biochemistry plus 20 Marks for Hifz-e-Quran.

2. M.Phil. in Zoology

The programme of studies for the degree of M.Phil in the subject of Zoology was started after upgrading the faculty. This division after the establishment gradually developed its academic programme up to Ph.D.

Eligibility:

A candidate who has passed M.Sc. Zoology (two years course) examination at least with second division.

Admission Criteria

The merit shall be determined as under:-

| | | |
|-----------------|---|--|
| Admission Test | = | 35 marks (no negative marking in the test) |
| Interview | = | 10 marks |
| Academic Record | = | 50 marks |
| Experience | = | 1 mark per year upto maximum of 5 marks (teaching/ research/ professional) |
| Total: | = | 100 marks |

Outline of Syllabus M.Sc. (ZOOLOGY)

Part-I

Semester-I

1. ZOOL 301 Cell & Molecular Biology
2. ZOOL 303 Diversity of Invertebrates
3. ZOOL 305 Genetics
4. ZOOL 307 Paleontology and Zoo Geography

Semester-II

1. ZOOL 302 General Biochemistry
2. ZOOL 304 Diversity of Vertebrates
3. ZOOL 306 Comparative Animal Physiology
4. ZOOL 308 Systematic Zoology

Part-II

Semester-III

1. ZOOL 401 Evolutionary Biology
2. ZOOL 403 Developmental Biology
3. ZOOL 4xx Special Paper I / Research
4. ZOOL 4xx Optional I

Semester-IV

1. ZOOL 402 Ecology
2. ZOOL 404 Wild Life Biology
3. ZOOL 406 Bio Statistic and Bio Informatics
4. ZOOL 4xx Special Paper II / Research
5. ZOOL 4xx Optional II

Thesis/Dissertation/Research Report 200 Marks

In lieu of the Special Papers VII(i) & (ii) or (iii) & (iv) etc. a student may opt for Thesis/Dissertation/Research Report of 200 marks in consultation with the Department. Only those students may be allowed to opt for Thesis/Dissertation/Research Report who have passed Part-I Examination, securing at least 55% marks.

Note: A student will have to pass the Theory and Practical parts of the papers separately. The failure in one or the other part will mean failure in that particular paper.

Department of Chemistry

| | |
|---------------------|---|
| Established: | 1975 |
| Programs of Study: | BS (4 – Year) <i>M.Sc. (Morning & Evening)</i> <i>M.Phil., Ph.D.</i> |
| Enrollment: | BS, M.Sc. & M.Phil. <i>See Chart No. 1</i> |
| Prerequisites: | (BS) Intermediate Examination (Pre-Medical or Pre- Engineering) or an equivalent examination recognised by the University with Chemistry as an elective subject. (M.Sc.) <i>B.Sc. (2 years course) with Chemistry, Botany & Zoology or Chemistry, Physics & Mathematics/ Statistics.</i> (M.Phil.) <i>M.Sc. Chemistry with specilization in the relevant field.</i> |
| Chairperson: | Prof. Dr. Shahida Begum Niazi |
| Students' Advisor : | Prof. Dr. Muhammad Aslam Malana |

- GC-MS
- Atomic Absorption Spectrophotometer
- Flame Photometer
- Gas Chromatograph
- HPLC
- Elemental Analyzer
- Thermal Analyzer
- Polarograph
- Digital Density Meter
- Dipole Meter
- Lypholizer
- Ultra-centrifuge

The department also houses a computer laboratory having 20 P-IV systems connected with the University Local Area Network. This laboratory has been established not only to give basic computer training to the students under University Computer Literacy Program but also to meet the requirements of the very recently revised curricula of Chemistry and the research programs of the department.

The department has a library containing more than six thousand books. A number of research journals and periodicals are also available.

The department has an excellent record of providing trained human resources to Education, Industry and R & D Sector through its active co-ordination with various organizations.

Introduction

The department was established in 1975 and offers BS (4 - Year), M. Sc., M. Phil. and Ph.D. Programs of Study. The department has a highly qualified faculty with diversified research interests. Most research programs run by the faculty are funded by various national/international agencies. The department also shares its research activity with national/international agencies through collaborative programs. The department houses modern laboratory facilities and is equipped with the following equipment/instruments:

- UV-Visible Spectrophotometer
- IR Spectrophotometer
- FT-IR Spectrophotometer

Admissions

Admissions are conducted by the following Departmental Admission Committee according to the admissions criteria laid down by the university/department:

Admission Committee

| | |
|--------------------------------|------------------|
| Prof. Dr. Shahida Begum Niazi | Chairperson |
| Prof. Dr. Tariq Mahmood Ansari | Member/Secretary |
| Dr. Riffat Parveen | Member |

The Committee looks after the admission process and can be accessed for interpretation of the rules and regulations.

M. Sc. Program

Since its inception, the department is offering M.Sc. Program with the following major and minor areas of study:

- A Physical Chemistry
- B Inorganic Chemistry
- C Organic Chemistry
- D Analytical Chemistry
- E Bio-Chemistry
- F Applied Chemistry

The university intends to implement semester system in M.Sc. programme. The details about the scheme and courses can be had from the Departmental office.

Division of Seats

Chart-1 shows the break-up of seats for admission to M. Sc. program.

Admission Criteria

Eligibility

For admission to M.Sc. Part-I, the candidates must possess B.Sc. (two years course) with Chemistry, Botany and Zoology or Chemistry, Physics and Mathematics/ Statistics as elective subjects, securing at least 45% marks in Chemistry as well as in the aggregate of B.Sc. Examination.

Admissions are, however, granted strictly in accordance with the merit. Present merit scheme is as follows:

Determination of Merit

Marks in B.Sc. + marks in Chemistry + 20 marks for Hifz-e-Quran (if applicable). In each category of admission, a merit list is drawn from which the candidates are offered admission according to the number of seats available.

M. Phil. Program

M. Phil. (2 - Year) Program was started in the year 2002 under Semester System. The department offers specialization in the disciplines of Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry and Bio-Chemistry.

Division of Seats

Chart-1 shows the break-up of seats for admission to M. Phil. program.

Admission Criteria

Eligibility

A person holding M. Sc. Chemistry Degree of this university with at least 2nd division or a similar degree of any other university recognized by HEC will be eligible for admission to M. Phil. program.

Admissions are, however, granted strictly in accordance with the merit. Present merit scheme is as follows:

Determination of Merit

The allocation of marks for determining the merit shall be as under:

| | | |
|------------------|-----|--|
| Admission Test: | 35 | marks (no negative marking) |
| Interview: | 10 | marks |
| Academic Record: | 50 | marks maximum* |
| Experience: | 05 | one mark per year upto a maximum of for teaching / research experience |
| Total: | 100 | marks |

In each specialization, candidates securing highest score are offered admission in order of merit.

* Allocation of marks due to academic record shall be as under:

| | 1 st Div | 2 nd Div |
|----------------------------|---------------------|---------------------|
| M. Sc. | 25 | 20 |
| B. Sc. | 15 | 10 |
| H.S.S.C. | 10 | 05 |
| (Intermediate Examination) | | |

Ph.D. Program

The department also offers Ph.D. Program in various areas of Chemistry. The applications for registration in this program may be submitted any time during the year. Currently, over twenty research scholars are working on different research projects under this program. Interested candidates may contact any faculty member for further information.

M. Sc. Program

The scheme of study for this programme is available in the office of the Department.

M. Phil. Program

The requirements for M.Phil. degree course work and dissertation are normally completed within four consecutive semesters. The course work of 24 credits is normally completed within first 2 semesters. One credit seminar and dissertation (based on research) of 25 credits shall normally be completed by the end of the 4th semester.

In 1st & 2nd semesters, the students shall be offered specialization in one of the following fields:

- A Physical Chemistry
- B Inorganic Chemistry
- C Organic Chemistry
- D Analytical Chemistry
- E Bio-Chemistry

The semester - wise distribution of courses in each field of specialization will be as follows:

| 1st Semester | | Cr. |
|--------------------------------|--------------------------------------|------------|
| Course I | of the Opted Field of Specialization | 3 |
| Course II | of the Opted Field of Specialization | 3 |
| Course III | of the opted field of specialization | 3 |
| Course IV | of the opted field of specialization | 3 |
| Total: | | 12 |

2nd Semester

| | | |
|---------------|--------------------------------------|-----------|
| Course I | of the Opted Field of Specialization | 3 |
| Course II | of the Opted Field of Specialization | 3 |
| Course III | of the opted field of specialization | 3 |
| Course IV | of the opted field of specialization | 3 |
| Total: | | 12 |

3rd & 4th Semesters

| | |
|--------------------------|-----------|
| Seminar on Research Work | 1 |
| Research in Opted Field | 24 |
| Total: | 25 |
| Grand Total: | 49 |

Centre for Advanced Studies in

Pure and Applied Mathematics

| | |
|------------------------|---|
| Established: | 1975 |
| Programmes of Studies: | <i>BS (4 years)</i> <i>M.Sc., M.Phil.</i> <i>Ph.D.</i> <i>P.G.D.</i> <i>Certificate in Short-Term</i> <i>Computer Courses</i> |
| Enrollment: | <i>See the Chart No.1 for details</i> |
| Prerequisites: | i) <i>BS (4 years)</i> <i>F.Sc. (Pre-Engineering)</i> ii) <i>M.Sc.</i> <i>B.A./B.Sc. with A&B</i> <i>Courses of Mathematics</i> |
| Director: | <i>Prof. Dr. Nazir Ahmad Mir</i> |
| Students' Advisors: | <i>Dr. Nusrat Yasmin</i> <i>Mr. Amjad Ali</i> |

Introduction

The Department of Mathematics, Bahauddin Zakariya University, Multan came into being with the establishment of the University in September, 1975. In the beginning, it was housed in the Academic Block on Bosan Road, Gulgasht Colony, Multan. In January, 1981, the Department was shifted to New Campus in the Chemistry Block.

The Department Progressed very rapidly and in 1985, it was upgraded as the Centre for Advanced Studies in Pure and Applied Mathematics (CASPAM). The Centre moved to its present premises the "Mathematics and Statistics Block" in 1987. The Centre has now 10 teachers with Ph.D. degree and four with M.Sc. degree on its teaching faculty.

The Centre is imparting education at the levels of BS (4 years), M.Sc., M.Phil. and Ph.D. in Mathematics. The Centre has started offering short-term computer courses in evening from March, 2002. The Post Graduate Diploma of one year duration in Business & Industrial

Mathematics and Computer Programming in the evening has also been started from the session 2002-2003. The information regarding PGD/ Ph.D. programmes can be had from the Director of the Centre or from our Web Site www.bzu.edu.pk/caspam.

The Centre has the honour of completing successfully a collaboration programme with the Department of Mathematics, Bradford University, U.K. Under this collaboration not only exchange of teachers took place but the computer laboratory of the Centre had also been equipped with the latest computer system (Sun System).

The graduates of the Centre are serving in different Federal and Provincial Government Departments, Armed Forces, Pakistan Atomic Energy Commission, Banks, Insurance Companies and other Financial and Educational Institutions.

Admission Committee:

| | |
|---------------------------|--------------------|
| Prof. Dr. Nazir Ahmad Mir | (Chairman) |
| Mr. Muhammad Ashraf | (Member/Secretary) |
| Mr. Amjad Ali | (Member) |

M.Sc. (Part-I)

Admission:

The detail of seats for admission to M.Sc. Mathematics Part-I class is given in Chart No.1 Admission to Part-I class of Mathematics will be made by the Admission Committee according to the admission/merit criteria laid down by the Centre.

Eligibility:

The candidates who have passed B.A/B.Sc. Examination with Mathematics A & B Courses, securing at least 45% marks in the subject as well as in the aggregate of B.A/B.Sc. are eligible for admission to M.Sc. Mathematics Part-I class.

Computation of Merit:

The merit will be determined as under:

Aggregate marks of B.A/B.Sc., plus marks obtained in Mathematics A & B Courses, plus 20 marks for Hifz-e-Quran.

2-Years M.Sc. Mathematics Programme

Degree Requirements for M.Sc. Mathematics

Total credit hours to be completed for a M.Sc. 2 years degree in Mathematics are not more than 76. The requirements summarized in each of the following categories must be met for the successful completion of the degree.

a) Mathematics Requirements (60 Credits)

i) Core Courses (30 Credits)

A student will have to satisfactorily complete all the core courses as a part of the successful completion of the degree. The list of these courses is given in Table 1 below.

ii) Elective Courses (30 Credits)

Elective courses have been divided into the following four groups:

- a. Common Math Elective
- b. Pure Math Elective
- c. Applied Math Elective
- d. Computational Math Elective

Besides the core requirement, a student must satisfactorily complete 12 credits of Common Math Elective Courses and 18 credits of any one of the other three groups of elective courses namely, Pure, Applied and Computational. A course shared by different groups will be credited only in one group to be chosen by the student. The selection of these courses should be made with a definite goal in mind and so as to form an integrated part of the degree programme. The lists of these courses are provided in Tables 2-5 below.

iii) Project (6 Credit Hours)

A student may take a project in lieu of two elective courses provided he fulfils the requirements and the department agrees to offer.

b) Supporting (Computer) Courses (16 Credits)

A student must satisfactorily complete 16 credits of computer courses given in Table 6 below.

c) Total Requirement

The M.Sc. degree requires a total of at least 76 credit hours.

Final Remarks

- The programme is designed flexibly by keeping a good number of electives.
- The document provides preliminary lists of the elective courses. However, it is desired that these lists should be in continuous development and review process.
- The course codes are assigned as explained below. Each course has three digits. The first digit indicates the year of the course. The second and third digits together indicate the number of the course. Odd numbered courses are usually to be offered in the odd numbered semester of the respective year where as the even numbered courses in its even numbered semester except possibly for the sixth year in which being even or odd of a course number may not indicate the semester. As an example the course MATH 501 (Real Analysis I) means it is a first course of the fifth year and is to be offered in the fall semester.

Mathematics Curriculum

Total Credit Hours 76, Subject Courses 60 (Core Courses 30 + Elective Courses 30) Supporting Courses 16.

First Year

Semester-I

| Code | Title | Credit Hours | | |
|----------|--------------------------------------|--------------|---|----|
| MATH 501 | Real Analysis-I | 3 | 0 | 3 |
| MATH 503 | Complex Analysis | 3 | 0 | 3 |
| MATH 505 | Modern Algebra-I | 3 | 0 | 3 |
| MATH 507 | Ordinary Differential Equations | 3 | 0 | 3 |
| MATH 509 | General Topology | 3 | 0 | 3 |
| MATH 501 | Computer Fundamentals & Applications | 3 | 0 | 4 |
| | | | | 19 |

Semester-II

| Code | Title | Credit Hours | | |
|----------|--------------------------|--------------|---|----|
| MATH 502 | Real Analysis-II | 3 | 0 | 3 |
| MATH 504 | Functional Analysis-I | 3 | 0 | 3 |
| MATH 506 | Linear Algebra | 3 | 0 | 3 |
| MATH 508 | Vectors & Mechanics | 3 | 0 | 3 |
| MATH 510 | Differential Geometry | 3 | 0 | 3 |
| MATH 502 | Programming with FORTRAN | 3 | 0 | 4 |
| | | | | 19 |

Second Year

Semester-III

| Code | Title | Credit Hours | | |
|----------|-----------------------------------|--------------|---|----|
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| COMP 601 | Programming with C++ / Visual C++ | 3 | 0 | 4 |
| | | | | 19 |

Semester-IV

| Code | Title | Credit Hours | | |
|----------|----------|--------------|---|----|
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| MATH 6xx | Elective | 3 | 0 | 3 |
| COMP xxx | RDBMS | 3 | 0 | 4 |
| | | | | 19 |

List of Mathematics Courses

Table I Core Courses

| Code | Title | Credit Hours | | |
|----------|---------------------------------|--------------|---|---|
| MATH 501 | Real Analysis-I | 3 | 0 | 3 |
| MATH 502 | Real Analysis-II | 3 | 0 | 3 |
| MATH 503 | Complex Analysis | 3 | 0 | 3 |
| MATH 504 | Functional Analysis-I | 3 | 0 | 3 |
| MATH 505 | Modern Algebra-I | 3 | 0 | 3 |
| MATH 506 | Linear Algebra | 3 | 0 | 3 |
| MATH 507 | Ordinary Differential Equations | 3 | 0 | 3 |
| MATH 508 | Vectors & Mechanics | 3 | 0 | 3 |
| MATH 509 | General Topology | 3 | 0 | 3 |
| MATH 510 | Differential Geometry | 3 | 0 | 3 |

Table 2 Common Math Elective Courses

| Code | Title | Credit Hours | | |
|----------|--|--------------|---|---|
| MATH 601 | Numerical Analysis-I | 3 | 0 | 3 |
| MATH 602 | Numerical Analysis-II | 3 | 0 | 3 |
| MATH 603 | Theory of Ordinary Differential Equations | 3 | 0 | 3 |
| MATH 604 | Theory of Partial Differential Equations | 3 | 0 | 3 |
| MATH 605 | Mathematical Statistics-I | 3 | 0 | 3 |
| MATH 606 | Mathematical Statistics-II | 3 | 0 | 3 |
| MATH 607 | Graph Theory | 3 | 0 | 3 |
| MATH 608 | Special Functions | 3 | 0 | 3 |
| MATH 609 | History of Mathematics | 3 | 0 | 3 |
| MATH 623 | Functional Analysis-II | 3 | 0 | 3 |
| MATH 624 | Applied Algebra | 3 | 0 | 3 |
| MATH 661 | Methods of Optimization | 3 | 0 | 3 |
| MATH 662 | Numerical Solution of Partial Differential Equations | 3 | 0 | 3 |
| MATH 665 | Theory of Approximation and Splines | 3 | 0 | 3 |
| MATH 666 | Applied Matrix Theory | 3 | 0 | 3 |

Table 3 Pure Math Elective Courses

| Code | Title | Credit Hours | | |
|----------|--|--------------|---|---|
| MATH 621 | Measure Theory and Integration-I (Compulsory) | 3 | 0 | 3 |
| MATH 622 | Measure Theory and Integration-II (Compulsory) | 3 | 0 | 3 |
| MATH 623 | Functional Analysis-II | 3 | 0 | 3 |
| MATH 624 | Applied Algebra | 3 | 0 | 3 |
| MATH 625 | Modern Algebra-II | 3 | 0 | 3 |
| MATH 626 | Theory of Modules | 3 | 0 | 3 |
| MATH 627 | Category Theory-I | 3 | 0 | 3 |
| MATH 628 | Category Theory-II | 3 | 0 | 3 |

| | | | | |
|----------|--------------------------|---|---|---|
| MATH 629 | Algebraic Topology-I | 3 | 0 | 3 |
| MATH 630 | Algebraic Topology-II | 3 | 0 | 3 |
| MATH 631 | Analytical Number Theory | 3 | 0 | 3 |
| MATH 632 | Theory of Automata | 3 | 0 | 3 |

Table 4 Applied Math Elective Courses

| Code | Title | Credit Hours | | |
|----------|---|--------------|---|---|
| MATH 641 | Mathematical Methods-I (Compulsory) | 3 | 0 | 3 |
| MATH 642 | Mathematical Methods-II (Compulsory) | 3 | 0 | 3 |
| MATH 643 | Fluid Mechanics-I | 3 | 0 | 3 |
| MATH 644 | Fluid Mechanics-II | 3 | 0 | 3 |
| MATH 645 | Solid Mechanics | 3 | 0 | 3 |
| MATH 646 | Heat Transfer | 3 | 0 | 3 |
| MATH 647 | Quantum Mechanics-I | 3 | 0 | 3 |
| MATH 648 | Quantum Mechanics-II | 3 | 0 | 3 |
| MATH 649 | Electromagnetic Theory-I | 3 | 0 | 3 |
| MATH 650 | Electromagnetic Theory-II | 3 | 0 | 3 |
| MATH 651 | Analytical Dynamics | 3 | 0 | 3 |
| MATH 653 | Special Theory of Relativity | 3 | 0 | 3 |
| MATH 654 | General Theory of Relativity | 3 | 0 | 3 |

Table 5 Computational Math Elective Course

| Code | Title | Credit Hours | | |
|----------|--|--------------|---|---|
| MATH 661 | Methods of Optimization (Compulsory) | 3 | 0 | 3 |
| MATH 662 | Numerical Solution of Partial Differential Equations (Compulsory) | 3 | 0 | 3 |
| MATH 663 | Control Theory | 3 | 0 | 3 |
| MATH 664 | Calculus of Variations and Optimal Control | 3 | 0 | 3 |
| MATH 665 | Theory of Approximation and Splines | 3 | 0 | 3 |
| MATH 666 | Applied Matrix Theory | 3 | 0 | 3 |
| MATH 667 | Operations Research | 3 | 0 | 3 |
| MATH 668 | Discrete Mathematics | 3 | 0 | 3 |
| MATH 627 | Category Theory-I | 3 | 0 | 3 |
| MATH 628 | Category Theory-II | 3 | 0 | 3 |
| MATH 632 | Theory of Automata | 3 | 0 | 3 |

Note: MATH 628 MATH 632 cannot be taken simultaneously.

List of Computer Courses

Table 6 Computer Core Courses

| Code | Title | Credit Hours | | |
|----------|---|--------------|---|---|
| COMP 501 | Environment, Word Processor & Mathematical Package (Practical) | 3 | 0 | 3 |
| COMP 502 | Computer Language FORTRAN (Practical) | 3 | 0 | 3 |
| COMP 601 | Computer Language C++ (Practical) or Visual Programming | 3 | 0 | 3 |
| COMP 602 | RDBMS (Practical) | 3 | 0 | 3 |

M.Phil

Admission

The admission to M.Phil in the Centre will be made by the admission committee according to admission merit criteria laid down by the University.

Research Facilities

At present, the Centre has the largest number of Ph.D/M.Phil. staff in Pakistan. It is a unique Centre for promoting and enhancing teaching/research activities in Pakistan. There is a library in the Centre with the best and latest stock of about 6396 books on Mathematics. There is a nice collection of international research journals which is readily available in the library for research students and for teachers. The centre also offers computing facilities for research students and teachers of the Centre.

Research Profile of Teachers

1. Prof. Dr. Muhammad Anwar Chaudhry's research fields are Automata Theory, BCK/BCI/BCH-algebras, and derivations on prime and semiprime rings. He guided one Ph.D. student and five M.Phil. students in the fields of BCK/BCI/BCH-algebras. He got published several research papers in the international journals.
2. Prof. Dr. Muhammad Anwar Kamal's fields of research are Numerical Solutions of Navier Stokes Equations and Micropolar Fluids. He guided eight M.Phil. students in these fields. At present he is guiding 4 Ph.D. students in these fields. He published several research papers in the journals of international repute.
3. Prof. Dr. Bashir Ahmad's research interests include General Topology and BCK-BCI-algebras. He guided two Ph.D. students and ten M.Phil. students in these fields. At present, he is guiding

- three Ph.D. students in these fields. He published several research papers in the journals of international repute.
4. Prof. Dr. Nazir Ahmad Mir's field of specialization is Computational Mathematics, especially Numerical Analysis. He qualifies in computer software and hardware and uses computer extensively for research and teaching purpose. He guided several M.Phil. students in his field. He is guiding two Ph.D. students. He published a number of research papers on initial value problems for ODE's and polynomial Zeros.
5. Prof. Dr. Abdul Rahim Khan's special field of research is functional Analysis. Approximation theory and its applications to Fixed Point Theory and Measure Theory and Integration are his minor fields of research. He has supervised ten students for M.Phil and one Ph.D. student. He is guiding two Ph.D. students in these fields. He has published several research papers in the international journals.
6. Dr. Zahida Akram's field of research is Approximation Theory. In particular she is interested in Vector Pade Approximations and its comparison with some well-Known Classical Methods. She has been guiding M.Phil students of the Centre and has got published her research work in the international journals.
7. Dr. Nazra Sultana's field of research is Group Representation. She has guided several M.Phil. students in this field. She got published her research in the International Journals.
8. Dr. Nusrat Yasmin's field of research is Ordinary Differential Equations and in particular she is interested in "Limit Cycle of Polynomial System". She is guiding M.Phil. and Ph.D. students in these fields. She got Published her research work in the international journals.
9. Dr. Khalid Saifullah's field of

specialization is Computational Fluid Dynamics and Heat Transfer. He is guiding M.Phil. and Ph.D. students of the Centre in this field. He presented his research work at various international conferences.

10. Dr. Nawab Hussain's field of specialization is Functional Analysis and in particular he is interested in Fixed Point and Best Approximation Theory. He guided M.Phil students of the Centre. He has published several papers in the Journals of international repute.

M.Phil. Programme

The CASPAM offers graduate programs leading to the degree of Master of Philosophy in mathematics. The programme consists of four semesters. The diversity of graduate courses offered in the Centre gives the student an opportunity to specialize in one of the several fields of pure mathematics, applied mathematics and computational mathematics.

Admission

The admission to M.Phil. will be made by the admission committee according to the prescribed criteria.

Admission Committee

Prof. Dr. Nazir Ahmad Mir (Chairman)
Dr. Zahida Akram (Secretary/Member)
Dr. Khalid Saifullah (Member)

Eligibility

The candidates who have passed M.A./M.Sc. Mathematics Examination securing at least 2nd Division, i.e. 45% marks or C-Grade with 50% marks under semester system, shall be eligible to apply for admission to M.Phil. calss.

Computation of Merit

Merit shall be determined as per following formula

| | | |
|------------------------|---|-----------|
| Academic qualification | = | 40 |
| Admission Test | = | 50 |
| Publications | = | 10 |
| | | <hr/> 100 |

M.Phil. Degree Requirements

To complete the M.Phil. program, a candidate must:

1. Complete 25 credit-hours
2. Take the courses Math 794 and Math 798.
3. Prepare a thesis, of 25 credit hours.

List of Courses

Following is the complete list of courses offered by the Centre.

Course No. Course Title

| | | |
|----------|--|---------|
| MATH-701 | Advanced Functional Analysis | (3-0-3) |
| MATH-702 | Topological Vector Spaces | (3-0-3) |
| MATH-703 | Topological Groups | (3-0-3) |
| MATH-704 | Applied Functional Analysis | (3-0-3) |
| MATH-705 | General Topology | (3-0-3) |
| MATH-706 | Complex variables | (3-0-3) |
| MATH-707 | Fixed Point Theory | (3-0-3) |
| MATH-708 | Approximation Theory | (3-0-3) |
| MATH-709 | Theory of Splines-I | (3-0-3) |
| MATH-710 | Theory of Splines-II | (3-0-3) |
| MATH-711 | Advanced Measure Theory-I | (3-0-3) |
| MATH-712 | Advanced Measure Theory-II | (3-0-3) |
| MATH-713 | Linear Algebra | (3-0-3) |
| MATH-714 | Fields & Galois Theory | (3-0-3) |
| MATH-715 | Homological Algebra | (3-0-3) |
| MATH-716 | Rings and Categories of Modules | (3-0-3) |
| MATH-717 | Universal Algebra | (3-0-3) |
| MATH-718 | Symmetric Functions and Hall - Little wood | |

| | | |
|----------|---|---------|
| | Symmetric Functions | (3-0-3) |
| MATH-719 | Representation Theory of Symmetric Group | (3-0-3) |
| MATH-720 | Theory of Semigroups | (3-0-3) |
| MATH-721 | Hilbert Space Methods in Applied Mathematics-I | (3-0-3) |
| MATH-722 | Hilbert Space Methods in Applied Mathematics-II | (3-0-3) |
| MATH-723 | Non-linear Ordinary Differential Equations-I | (3-0-3) |
| MATH-724 | Non-linear Ordinary Differential Equations-II | (3-0-3) |
| MATH-725 | Lattice Theory | (3-0-3) |
| MATH-741 | Algorithms and Complexity | (3-0-3) |
| MATH-742 | Graph Theory | (3-0-3) |
| MATH-743 | Differentiable Manifolds and Global Analysis | (3-0-3) |
| MATH-744 | Combinatorics and Graph Theory | (3-0-3) |
| MATH-745 | Wavelets and Fractals | (3-0-3) |
| MATH-746 | Advanced Mathematical Methods | (3-0-3) |
| MATH-747 | Harmonic Analysis | (3-0-3) |
| MATH-748 | Advanced Linear Programming | (3-0-3) |
| MATH-749 | Nonlinear Programming | (3-0-3) |
| MATH-750 | Operations Research | (3-0-3) |
| MATH-751 | Calculus of Variations | (3-0-3) |
| MATH-752 | Numerical Analysis | (3-0-3) |
| MATH-753 | Numerical Solution of Ordinary Differential Equations | (3-0-3) |
| MATH-754 | Numerical Solution of Partial Differential Equations | (3-0-3) |
| MATH-755 | Numerical Solution of Integral Equations | (3-0-3) |
| MATH-771 | General Relativity | (3-0-3) |
| MATH-772 | Advanced Fluid Dynamics | (3-0-3) |
| MATH-773 | Topics in Heat Transfer | (3-0-3) |
| MATH-774 | Advanced Analytical Dynamics | (3-0-3) |
| MATH-775 | Relativistic Quantum Mechanics | (3-0-3) |

| | | |
|----------|--|----------|
| MATH-776 | Quantum Optics | (3-0-3) |
| MATH-777 | Magnetohydrodynamics | (3-0-3) |
| MATH-778 | Asymptotic Expansions and Perturbation Methods | (3-0-3) |
| MATH-779 | Inverse and Ill-Posed Problems | (3-0-3) |
| MATH-780 | Mathematics of Large Scale Simulation | (3-0-3) |
| MATH-781 | Introduction to Industrial Mathematics | (3-0-3) |
| MATH-794 | Computer Tools for Mathematics | (1-1-0) |
| MATH-798 | Introduction to the Mathematical Literature | (0-1-0) |
| MATH-799 | Seminar | (1-0-1) |
| MATH-800 | M.Phil. Thesis | (0-0-25) |

Computer Centre

Computer Centre is one of the four sections of the Centre for Advanced Studies in Pure and Applied Mathematics (CASPAM). It was established in 1987 to provide the computing facilities to the students of M.Sc. (Part-I&Part-II), M.Phil. and Ph.D. programmes of the CASPAM. The research students and teachers of the University are also using its computing facilities for the research purpose. Computer Center is also providing these facilities to various other departments of the University. Computer Centre is responsible for smooth running of the Post Graduate Diploma and other short term Computer courses offered by CASPAM from time to time.

Computing Facilities

| | | |
|----|---|----|
| 1. | SUN SPARC Server S20 UNIX File Server with 32MB RAM | 1 |
| 2. | SUN SPARC Server S20 UNIX File Server with 128 MB RAM | 1 |
| 3. | SUN SPARC Station S5 UNIX Graphics works stations | 3 |
| 4. | SUN Network Terminal Server | 1 |
| 5. | Terminals (Wyse) | 24 |

| | | |
|---|----|--|
| 6. DEC VAX-11/730 under VAX/VMS (with 4 Terminals) | 01 | Staff |
| 7. DEC Micro VAX-2000 under VAX/VMS (with 7 Terminals) | 01 | Prof. Dr. Nazir Ahmad Mir Director, CASPAM |
| 8. Novell Network Server (20 Works Stations) | 01 | Dr. Khalid Saifullah Incharge Computer Centre |
| 9. Pentium IV based Windows 2000 Server (35 Works Stations) | 01 | Mr. Mahtab Ullah Khan Assistant Computer Programmer |
| | | Mr. Irfan Saleem Computer Operator |
| | | Mr. M. Imran Rashid Computer Operator |
| | | Mr. Muhammad Ali Naib Qasid |

Department of Computer Science

| | |
|----------------------------------|---|
| Established: | 1995 |
| Undergraduate Programmes: | BS(CS) and BS(IT). BS (Telecommunication) BS (Computer Systems Engineering)* |
| Postgraduate Programmes: | MCS, MIT, and PGD. MS(CS) & MS(IT) M.Sc. (Telecommunication) PGD. (Telecommunication) * * Proposed |
| Enrollment: | BS(CS) Please see the attached chart BS(IT) Please see the attached chart BS(TS) Please see the attached chart MCS Please see the attached chart MIT Please see the attached chart MS(TS) Please see the attached chart PGD Please see the attached chart |
| Chairman: | Prof. Dr. Aman Ullah Khan M.Sc. (MU), M.Sc. (Wales), Ph.D. (Wales) |
| Admission Committee: | Dr. Aman Ullah Khan Dr. Nayyer Masood Mr. Qaisar Rasool |
| Introduction | |

Computer Science and Information Technology Programmes

Computer Science Programmes

A Computer Science Degree is an excellent preparation for a future career. It will sharpen the analytical skills of students as they discover the structures underlying software, stretch their creative talents as they design new systems and give them the confidence to sell their ideas to waiting world. The students will come to understand why systems work as they do - and what they learn will never go out of date for as long as people go on using computers. Although fashions in packages and programming languages come and go, the principles do not change and Computer Science is about principles. Yet it is more

than that: the software packages we take for granted today are among the most complex artefacts ever created. To understand them requires a degree of intellectual activity matching that is required in any longer established Sciences.

The Department of Computer Science provides an excellent educational environment that aims to bring out best in anyone. As the computing industry matures, professional qualifications will become more and more essential. The taught curriculum encompasses the recommendations of IEEE and ACM Joint Committee on Computer Science Curriculum and also conforms to the recommendations of the National Curriculum Revision Committee in the Information Technology and Computer Science, duly approved by the University Grants Commission, Ministry of Education and Ministry of Science and Technology.

Our students have almost unlimited access to computers and the professional software tools that go with them. The Department has more than 10 teaching laboratories/interactive class rooms which are equipped with Windows NT, Windows 2000 Professional, Linux and more than 300 Pentium IV/III based Multimedia PC's and SUN ULTRASPARC Enterprise System with 40 SUN RAY-I Unix workstations. All these are networked to ten common Dual and Quad Pentium III Xeon based Servers and connected to the recently commissioned University Fiber Optic based Campus LAN and to the outside world via the Internet.

Information Technology Programmes

The Information Society of the new millennium will require individuals with a range of skills in information handling, information management, multimedia presentation, analytical and problem solving techniques. The programme in Information Technology is designed for the students who wish to apply a high level of expertise to their chosen academic and career pathways in future as well as those who are considering an IT related career in education, training, industry or government. The courses of reading for IT have been designed in the light of the recommendations of IEEE and ACM Joint Committee on Computer Science Curriculum and the recommendations of the National Curriculum Revision Committee in the Information Technology and Computer Science. The Information Technology degree programmes are a blend of courses from IT and management and will produce graduates which are equipped with both IT and Management skills.

Postgraduate Programmes

MCS

Two Years Degree Programme {Master of Computer Science – Conversion Course} 70+ credit hours spread over 4 semesters.

Eligibility:

B.A./B.Sc. programme in any of the following: Maths, Physics, Computer Science, Commerce, Statistics, Economics with 45% aggregate marks.

Equivalent to BS (CS)/M.Sc. (Computer Science) (i.e. 16 years education)

MS (CS)

Two Years Degree Programme {Master of Science in Computer Science} 30+ credit hours spread over 4 semesters (2 Semesters Course work plus thesis).

Eligibility:

BS (CS) 4 Year Degree Programme (min 130 credit hours), or Computer Science Conversion Course 2 Years Degree Programme (min 72 credit hours) referred to as “MCS” or “M.Sc. (CS)”.

Equivalent to M.Phil (18 years education)

MIT

Two Years Degree Programme {Master of Information Technology – Conversion Course} 72 credit hours spread over 4 semesters.

Eligibility:

B.A./B.Sc. Programme in any of the following: Business Administration, Maths, Physics Computer Science, Commerce, Statistics, Economics, and Bachelors of Engineering with 45% aggregate marks.

Equivalent to BS (IT) (i.e. 16 years education)

MS (IT)

Two Years Degree Programme {Master of Science in Information Technology 30+ credit hours spread over 4 semesters (2 Semesters Course work plus thesis).

Eligibility

BS (IT) 4 Years Degree Programme (min 130 credit hours), or Information Technology Conversion Course 2 Years Degree Programme (min 72 credit hours) referred to as “MIT”.

Equivalent to M.Phil (18 years education)

M.Sc. (TS)

Two Years Degree Programme {Master of Science in Telecommunication System 30+ credit hours spread over 4 semesters (2 Semesters Course work plus thesis).

Eligibility

MCS/MIT/BS(CS&IT)/B.Sc. Engg. (Electrical/Electronics)/B.Sc. with Computer + Math/Math-A&B/Math + Physics) or equivalent securing at least 45% marks.

PGD

One year diploma programme {Post-Graduate Diploma in Computer Application} 45+ credit hours spread over 3 semesters.

Eligibility

B.A./B.Sc. Programme in any of the following Business Administration, Maths, Physics, Computer Science, Commerce, Statistics, Economics, and Bachelors of Engineering with 45% marks in aggregate.

Admission Procedure

A candidate seeking admission to a programme must apply for admission to the Department of Computer Science on the prescribed application form that is available

from the Treasurer/Authorized Banks. The duly filled in application form must be submitted to the Department before or the last date fixed by the University for the receipt of application forms for the Programme within the University Office hours. The application form must accompany the attested photocopies of the academic and relevant documents. Incomplete applications or application forms received after due date or delivered/submitted somewhere else will not be entertained.

The applicants on Special Admission Charges seats must accompany a Bank draft of appropriate amount for the programme in favour of Treasurer, Bahauddin Zakariya University, Multan along with their applications failing which their applications will be turned down.

Lists of selected candidates will be displayed only on the Notice Board of the Department of Computer Science according to the prescribed admission schedule and will not be communicated by post or any other means.

Admission Criteria

A student who qualifies the Aptitude/Entry Test will be considered for admission to the appropriate programme according to the following merit criteria.

MCS & MIT Programmes

40% weightage to marks obtained in the Aptitude/Entry Test + 60% weightage to marks obtained in B.A./B.Sc. or equivalent examination including 20 marks for Hafiz-e-Quran + 5 marks for each of the Computer-A/Computer-B/Computer-G Bachelor level subjects.

M.Sc.(TS) Programme

- a) 50% marks in the last examination + 50% Entry Test marks (for professionals)

- b) 40% weightage to marks obtained in the Aptitude/Entry Test + 60% weightage to marks obtained in B.Sc. + 20 marks for Haifz-e-Quran”.

- * The Department may offer Thesis/Project of 6 Credit Hours in Lieu of two course of 4th Semester to suitable students.

Project of 6 Credit Hours in Lieu of two course of 4th Semester to suitable students.

Master of Computer Science (MCS) (Conversion Course)

Semester-I (18 Credit Hrs)

| | | | |
|---|----|--------------------------------------|---|
| 1 | CS | Fundamentals of Algorithms | 3 |
| 2 | CS | Introduction to Computer Programming | 3 |
| 3 | CS | Database Systems | 3 |
| 4 | CS | Automata Theory | 3 |
| 5 | CS | Discrete Structures | 3 |
| 6 | EG | English Comprehension | 3 |

Semester-2 (18 Credit Hrs)

| | | | |
|---|----|----------------------------------|---|
| 1 | CS | Object Oriented Programming | 3 |
| 2 | CS | Software Engineering-I | 3 |
| 3 | CS | Computer Organization & Assembly | 3 |
| 4 | CS | Artificial Intelligence | 3 |
| 5 | CS | Web Programming | 3 |
| 6 | EG | Technical and Business Writing | 3 |

Semester-3 (18 Credit Hrs)

| | | | |
|---|----|---|---|
| 1 | CS | Data Structure & Analysis of Algorithms | 3 |
| 2 | CS | Advanced Object Oriented Programming | 3 |
| 3 | CS | Operating System Concepts | 3 |
| 4 | CS | Computer Architecture | 3 |
| 5 | CS | Compiler Construction | 3 |
| 6 | CS | Communication Skills | 3 |

Semester-4 (18 Credit Hrs)

| | | | |
|---|----|------------------------------|---|
| 1 | CS | Software Engineering-II | 3 |
| 2 | CS | System Programming | 3 |
| 3 | CS | Visual Programming | 3 |
| 4 | CS | Computer Networks | 3 |
| 5 | CS | Distributed Database Systems | 3 |
| 6 | CS | Modern Programming Languages | 3 |

Master of Information Technology (MIT) (Conversion Course)

Semester-I (18 Credit Hrs)

| | | | |
|---|----|--------------------------------------|---|
| 1 | CS | Fundamentals of Algorithms | 3 |
| 2 | CS | Introduction to Computer Programming | 3 |
| 3 | CS | Data Base Systems | 3 |
| 4 | MG | Fundamentals of Management | 3 |
| 5 | MG | Introduction to Marketing | 3 |
| 6 | EG | English Comprehension | 3 |

Semester-2 (18 Credit Hrs)

| | | | |
|---|----|---------------------------------------|---|
| 1 | CS | Data Structures | 3 |
| 2 | CS | Software Engineering-I | 3 |
| 3 | CS | Introduction to Computer Architecture | 3 |
| 4 | MG | Organizational Behavior | 3 |
| 5 | MG | Introduction to Accounting | 3 |
| 6 | EG | Technical and Business Writing | 3 |

Semester-3 (18 Credit Hrs)

| | | | |
|---|----|----------------------------|---|
| 1 | CS | Operating System Concepts | 3 |
| 2 | CS | Object Oriented Programme | 3 |
| 3 | CS | Web Design and Development | 3 |
| 4 | CS | Data Communication | 3 |
| 5 | MG | Financial Management | 3 |
| 6 | EG | Communication Skills | 3 |

Semester-4 (18 Credit Hrs)

| | | | |
|---|----|-------------------------------|---|
| 1 | CS | Distributed Data Base Systems | 3 |
| 2 | CS | Visual Programming | 3 |
| 3 | CS | E-Commerce | 3 |
| 4 | CS | Computer Networks | 3 |
| 5 | CS | Telecommunication Systems | 3 |
| 6 | CS | Human Resource Management | 3 |

- * The Department may offer Thesis/

Master of Science in Computer Science - MS (CS)

Semester-I (12 Credit Hrs)

| | | | |
|---|----|-------------------------------------|---|
| 1 | CS | Theory of Computation | 3 |
| 2 | CS | Advanced Computer Architecture | 3 |
| 3 | CS | Advanced Operating System | 3 |
| 4 | CS | Elective I from specialization area | 3 |

Semester-2 (9 Credit Hrs)

| | | | |
|---|----|---------------------------------------|---|
| 1 | CS | Theory of Programming Languages | 3 |
| 2 | CS | Elective II from specialization area | 3 |
| 3 | CS | Elective III from specialization area | 3 |

Semester-3 AND 4 (9 Credit Hrs)

| | | | |
|---|----|--------|---|
| 1 | CS | Thesis | 9 |
|---|----|--------|---|

M.Sc. (Telecommunication Systems) – M.Sc.(TS) (72 + Credit Hours)

Semester-I (12 Credit Hrs)

| | | | |
|---|----|--|---|
| 1 | CS | Introduction to Structured Programming with C++ (Theory) | 2 |
| 2 | CS | Introduction to Structured Programming with C++ (Theory) | 3 |
| 3 | CS | Introduction to Telecommunication System | 3 |
| 4 | CS | Network Operating Systems Fundamentals (Theory) | 1 |
| 5 | CS | Network Operating Systems Fundamentals (Practical) | 6 |

| | | | |
|---|----|--|---|
| 6 | CS | Data Communication | 3 |
| 7 | TS | Computer Networks | 3 |
| 8 | TS | Telecommunication Policy and Regulations | 3 |

Semester-II (12 Credit Hrs)

| | | | |
|---|----|--|---|
| 1 | CS | Data Structures and Algorithms (Theory) | 2 |
| 2 | CS | Data Structures and Algorithms (Practical) | 3 |
| 3 | TS | Digital Switching | 3 |
| 4 | TS | Networking Fundamentals-I (Theory) | 1 |
| 5 | TS | Networking Fundamentals-I (Practical) | 1 |
| 6 | TS | Telecommunication Network Design | 3 |
| 7 | TS | Digital Telephony | 3 |
| 8 | TS | Wireless Networks | 3 |

Semester-III (12 Credit Hrs)

| | | | |
|---|----|--|---|
| 1 | TS | Networking Fundamentals-II (Theory) | 1 |
| 2 | TS | Networking Fundamentals-II (Practical) | 6 |
| 3 | TS | Converging Voice and Data Networks | 3 |
| 4 | TS | Telecommunications Network Management | 3 |
| 5 | TS | Telecommunication Analyst | 3 |
| 6 | TS | Remote Access Networks | 3 |
| 7 | TS | Options – I | 3 |

Semester-IV (12 Credit Hrs)

| | | | |
|---|----|---|---|
| 1 | TS | Telecommunications Software Design | 3 |
| 2 | TS | Scalable Internetworks | 3 |
| 3 | TS | Internetwork Design and Troubleshooting | 3 |
| 4 | TS | Option – I | 3 |
| 5 | TS | Option – II | 3 |
| 6 | TS | Project | 6 |

Optional Courses

| | | | |
|---|----|----------------------|---|
| 1 | TS | Multi-Layer Switched | 3 |
|---|----|----------------------|---|

| | | | |
|---|----|--|---|
| | | Networks | |
| 2 | TS | Internet and Intranet Telecommunications | 3 |
| 3 | TS | Wireless, Cellular and Personal Communications | 3 |
| 4 | TS | Fiber Optic Telecommunications | 3 |
| 5 | TS | ATM Systems in Telecommunications | 3 |
| 6 | TS | Network Security | 3 |

Specialization Areas**Software Engineering**

| | | | |
|---|----|--------------------------------|---|
| 1 | CS | Advanced Software Engineering | 3 |
| 2 | CS | Topics in Software Engineering | 3 |
| 3 | CS | Object Oriented Software Engg. | 3 |
| 4 | CS | Software Quality Assurance | 3 |
| 5 | CS | Req Analysis and Specification | 3 |

Databases

| | | | |
|---|----|---------------------------|---|
| 1 | CS | Advanced DBMS | 3 |
| 2 | CS | Object Oriented Databases | 3 |
| 3 | CS | Web-Based DBMS | 3 |
| 4 | CS | Topics in DBMS | 3 |

System Engineering

| | | | |
|---|----|----------------------------------|---|
| 1 | CS | Advanced Computer Architecture | 3 |
| 2 | CS | Digital Signal Processing | 3 |
| 3 | CS | Switching and Fault Diagnosis | 3 |
| 4 | CS | Parallel & Distributed Computing | 3 |
| 5 | CS | Control System and Robotics | 3 |
| 6 | CS | Real Time Operating System | 3 |

Computer Networks

| | | | |
|---|----|-------------------------------|---|
| 1 | CS | Advanced Networking | 3 |
| 2 | CS | Network Security | 3 |
| 3 | CS | Topics in Computer Networking | 3 |

| | | | |
|---|----|--------------------------------|---|
| 4 | CS | Network Transport Protocols | 3 |
| 5 | CS | Network Administration | 3 |
| 6 | CS | Network Performance Evaluation | 3 |

Artificial Intelligence

| | | | |
|---|----|-------------------------------|---|
| 1 | CS | Design of Intelligent Systems | 3 |
| 2 | CS | Machine Learning | 3 |
| 3 | CS | Neural Networks | 3 |
| 4 | CS | Mathematical Reasoning | 3 |
| 5 | CS | Decision Support Systems | 3 |
| 6 | CS | Computer Vision | 3 |

Multimedia & Graphics

| | | | |
|---|----|----------------------------------|---|
| 1 | CS | Advanced Computer Graphics | 3 |
| 2 | CS | Multimedia & Hypermedia System | 3 |
| 3 | CS | Virtual Reality | 3 |
| 4 | CS | Human Computer Interface | 3 |
| 5 | CS | Geographical Information Systems | 3 |
| 6 | CS | Computer Animation | 3 |

Computer Science Education

| | | | |
|---|----|----------------------------------|---|
| 1 | CS | Education Technology | 3 |
| 2 | CS | Multimedia and Hypermedia Sys. | 3 |
| 3 | CS | Computer Aided Instructions | 3 |
| 4 | CS | Web Based Education Systems | 3 |
| 5 | CS | Measurement of Learning | 3 |
| 6 | CS | Topics in Comp Science Education | 3 |

Master of Science Information Technology – MS(IT)**Semester-I (12 Credit Hrs)**

| | | | |
|---|----|-----------------------------------|---|
| 1 | CS | Information Systems | 3 |
| 2 | CS | Advanced Software Engineering | 3 |
| 3 | CS | Information Technology Management | 3 |
| 4 | CS | Elective-I | 3 |

Semester-2 (12 Credit Hrs)

| | | | |
|---|----|----------------------------|---|
| 1 | CS | Advanced Computer Networks | 3 |
| 2 | CS | Elective-II | 3 |
| 3 | CS | Elective-III | 3 |
| 4 | CS | Thesis | 3 |

Semester-3 AND 4 (9 Credit Hrs)

| | | | |
|---|----|--------|---|
| 1 | CS | Thesis | 9 |
|---|----|--------|---|

IT Electives

| | | | |
|----|----|--------------------------------------|---|
| 1 | CS | Object Oriented Software Engineering | 3 |
| 2 | CS | Software Quality Assurance | 3 |
| 3 | CS | Net Centric Computing | 3 |
| 4 | CS | Web-Based DBMS | 3 |
| 5 | CS | Topics in DBMS | 3 |
| 6 | CS | Data Warehousing | 3 |
| 7 | CS | Network Security | 3 |
| 8 | CS | Topics in Computer Networking | 3 |
| 9 | CS | Network Administration | 3 |
| 10 | CS | Computer Graphics | 3 |
| 11 | CS | Multimedia & Hypermedia System | 3 |
| 12 | CS | Virtual Reality Applications | 3 |
| 13 | CS | Human Computer Interface | 3 |
| 14 | CS | Geographical Information Systems | 3 |
| 15 | CS | Computer Animation | 3 |
| 16 | CS | E-Commerce Technologies | 3 |
| 17 | CS | E-Commerce Law and Regulations | 3 |
| 18 | CS | Cyber Marketing | 3 |
| 19 | CS | Advanced Topics in IT | 3 |
| 20 | CS | IT Contracts Management | 3 |
| 21 | CS | IT Services Management | 3 |

**Postgraduate
Diploma – PGD****Semester-I**

| Course | Title | Credit Hours |
|---------------|--|--------------|
| PGD-101 | Programming with C/C++ | 4 |
| PGD-102 | Computer Fundamentals & Applications | 4 |
| PGD-103 | System Analysis and Design | 3 |
| PGD-104 | Accounting Fundamental & Business Applications | 3 |
| PGD-105 | Computer Mathematics | 3 |
| Total: | | 17 |

Semester-II

| | | |
|---------------|---|-----------|
| PGD-201 | Visual Programming | 4 |
| PGD-202 | Information Retrieval & Database System | 3 |
| PGD-203 | Data Structures & Algorithms | 3 |
| PGD-204 | Data Communications & Computer Networks | 3 |
| PGD-205 | Object Oriented Programming with JAVA | 4 |
| Total: | | 17 |

Semester-III

| | | |
|---------------|-------------------------------|-----------|
| PGD-301 | Web Publishing | 3 |
| PGD-302 | Object Oriented Data Modeling | 3 |
| PGD-303 | e-Commerce | 3 |
| PGD-304 | Project | 8 |
| Total: | | 17 |

Department of Physics

| | |
|------------------------|--|
| Established: | 1975 |
| Programmes of Studies: | <i>BS (4 - Years)</i> <i>M.Sc. Physics (Morning)</i> <i>M.Sc. Physics (Evening)</i> <i>(Semester Program),</i> <i>M.Phil.,</i> <i>Ph.D.</i> |
| Enrolment: | <i>See Chart No.1 for details</i> |
| Pre requisites for: | 1- BS: <i>F.Sc. with Maths & Physics</i> 2- M.Sc.: <i>B.Sc. with Physics as Elective</i> <i>Subject alongwith</i> <i>Mathematics at B.Sc. or</i> <i>F.Sc. level</i> 3- M.Phil.: <i>M.Sc. (Physics, Applied Mathematics,</i> <i>Materials Science, Electronics) or</i> <i>B.Sc. (Electrical/Electronics/</i> <i>Metallurgy) Engineering</i> 4- Ph.D.: <i>M.Phil.</i> |
| Chairman: | <i>Prof. Dr. Tahir Abbas</i> |
| Student Advisor : | <i>Dr. Misbah-ul-Islam</i> |

Introduction

The Department of Physics was established along with the University in 1975. It is housed in the building called "Physics Block". The Department, besides well equipped teaching and research laboratories, has its own Seminar Library, Workshop and Lecture Theatre. The Department is conducting teaching/research at the BS, M.Sc., M.Phil. and Ph.D. levels. The information regarding M.Phil. / Ph.D. program can be obtained from the Chairman of the Department. The following teaching laboratories are being maintained in the department in which a student is required to complete a number of experiments/ practicals during studies:

1. Undergraduate Physics Laboratory
2. Modern Physics Laboratory
3. Electronics Laboratory
4. Advanced Electronics Laboratory
5. Computer Hardware Laboratory
6. IT and Computer Software Laboratory

The present research interests of the Department are in the fields of Crystal Growth, X-ray Diffraction and Condensed Matter Physics, which are being catered by the following research laboratories.

Collaborative research work is being carried out in these laboratories as detailed below:

Materials Research Laboratory

This laboratory is equipped with Capacitance Measuring Assembly, LCR Bridge, Electrometer and Furnaces capable of maintaining a temperature of 1600 °C. Currently Electrical, Dielectric and Optical properties of various materials are being studied.

| | |
|-----------------|---|
| Supervisor | Prof. Dr. M. Ashraf Chaudhry Dr. Ishtiaq Ahmad Dr. Misbah-ul-Islam |
| Major Equipment | Capacitance Measuring Assembly, Digibridge, Electrometer, High Temperature Furnace, LCR Bridge and High Voltage Power Supply. |
| Collaboration | Pakistan Atomic Energy Commission, Higher Education Commission, National Scientific Research & Development Board and Pakistan Science Foundation. |

Thin Films and Solid State Nuclear Track Detection Laboratory

Facilities exist for the evaporation of various elemental and compound materials in the form of thin films. Apparatus for the electrical, dielectric and the optical characterization of these samples is available. Experimental observations for the semiconductor lasers and the solid state nuclear track detection is within the domain of the laboratory. Research grants were awarded to the laboratory by various funding organizations such as Pakistan Science Foundation, Atomic Energy Commission etc.

| | |
|-----------------|--|
| Supervisors | Prof. Dr. M. Zakria Arif Prof. Dr. M. Younus Nadeem |
| Major Equipment | Vacuum Coating Unit, Sampling Oscilloscope, Laser Detector & a Computer. Optical Microscope, Curve Tracing Tube, Digital Guage Meter and muffle Furnace, Spectrophotometer |
| Collaboration | Pakistan Science Foundation, Pakistan Atomic Energy Commission & Higher Education Commission (H.E.C) |

X-Ray Diffraction Laboratory:

X-ray diffraction is a non-destructive technique used for determining the crystal structure of materials. Work is going on for the study of magnetic, ceramics, metallic and amorphous materials. Some apparatus for the study of mechanical properties has been provided for measuring Rockwell hardness of materials. A pressing machine and some furnaces are present for the preparation of materials. A metallurgical microscope is also available for microstructure analysis of the materials. It is equipped with camera for photography.

| | |
|-----------------|--|
| Supervisors | Prof. Dr. Tahir Abbas Dr. Amer Bashir Zia Dr. Misbah-ul-Islam |
| Major Equipment | X-Ray diffractometer, Melt-spinning apparatus, Metallurgical microscope, computers, furnaces, Pressing machine, Rockwell hardness machine. |
| Collaboration | Pakistan Atomic Energy, Commission, Higher Education Commission (H.E.C) |

Electrical Resistivity Measurements Laboratory

| | |
|-----------------|--|
| Supervisor | Dr. Ejaz Ahmad Anwar Manzoor Rana |
| Major Equipment | High Vacuum and High Temperature Systems for annealing, aging and resistivity measurement in vacuum. |
| Collaboration | Higher Education Commission (H.E.C) |

Surface Engineering Laboratory

Surface engineering is a key technology in many different sectors of manufacturing industry including automotive, aerospace, tooling and electronics. In many areas, such as optics, power generation and electronics, surface engineering is an essential technology without which many modern products cannot be manufactured. However, in other applications, such as decorative products, machine and cutting tools, surface engineering gives these products an added value and, therefore, improves competitiveness.

| | |
|-----------------|---|
| Supervisor | Prof. Dr. Ejaz Ahmad |
| Major Equipment | Water bath, pH meter, furnaces, Ultrasonic bath |
| Collaboration | Higher Education Commission (H.E.C) |

Crystal Growth Laboratory

The Crystal growth laboratory is equipped with crystal growth system. Single/ Mixed organic crystals can be grown using Bridgeman and Czochralski techniques. Glass blowing system/thin film mounting apparatus for measurement of thermoelectric, electrical and optical properties of crystals/ thin films is also available in this laboratory. Pakistan Atomic Energy Commission also provided research grant to facilitate research activities in this laboratory.

| | |
|------------------|---|
| Supervisor | Dr. Muhammad Tariq Bhatti |
| Major Equipment: | Crystal Growth System (Bridgeman & Czochralski Methods), Glass Blowing System / Thin Film Mounting Apparatus. |
| Collaboration: | Pakistan Atomic Energy Commission |

Seminar Library

The Seminar Library of the Department contains more than five thousand books of various disciplines, such as Physics, Electronics, Mathematics, Computer Science, Materials Science & Laser etc. In addition to the scientific books, the library is also equipped with a large number of reputed National & International Journals. The Physics Abstracts from 1958 to 1987 are available in the Departmental Library and efforts are being made to update these. The books in the subjects of Physics and Electronics are also available to the students from the Book Bank of the University on loan basis. Free of cost Internet facility is also available in the library for all the students.

Computer Facilities

Computer and Internet facilities are available in all Research Laboratories of the Department. A new computer software laboratory has recently been established which is fully equipped with all audio and visual aids. In addition to that, the research students of the Department can also enjoy computing facilities of the Department of Computer Science on request.

Zakariyan Alumni Association of Physicists (ZAAP)

Department of Physics has recently established an alumni association under the

name “Zakariyan Alumni Association of Physicists” (ZAAP). Recently, in March 2004, ZAAP successfully arranged its 2nd annual function which was attended by more than 300 physicists. Through ZAAP, the Department remains fully aware of the services rendered to the nation by the Alumni.

Physics Forum

Department of Physics also has recently established a Forum on Physics with the purpose of promoting Physics in the Colleges of the region and providing them the technical and academic assistance. Recently, the Department has provided the technical services to the Laboratories of colleges. Under Physics Forum a series of lectures have been scheduled to be delivered to college lecturers.

Admission

The detail of seats for admission to M.Sc., Part-I class is given in Chart No.1. The admission of Part-I class will be made by the Departmental Admission Committee according to the admission/ merit criteria laid down by the Department.

Departmental Admission Committee:

| | |
|---------------------------|-----------|
| Prof. Dr. Tahir Abbas | Chairman |
| Dr. Ishtiaq Ahmad | Member |
| Anwar Manzoor Rana | Member |
| Dr. Muhammad Tariq Bhatti | Secretary |

Eligibility

a) Ph.D./ M.Phil

The university has recently introduced an M.Phil leading to Ph.D. program. The entry requirement for this degree program would be a Master degree in Physics/ Applied Mathematics/Materials Science and B.Sc. Engineering (4 years after F.Sc.). Students who have successfully completed the M.Sc. degree, with at least 50% marks or equivalent, in the areas of Physics, Applied Mathematics, Materials Science, Electronics

and B.Sc. (Electrical/ Electronics/ Metallurgy) Engineering would be entitled to seek admission in this Program.

b) M.Sc. Physics (Morning and Evening Program)

The candidate who have passed B.Sc. Examination with Physics and Mathematics or with Physics and other subjects but had elective Mathematics in F.Sc. will be eligible for admission to M.Sc. Physics Part-I Class, provided that the applicants have obtained at least 45% marks in Physics at the B.Sc. level as well as in the aggregate marks of B.Sc. Examinations.

1. M.Phil.

Aggregate marks of M.Sc. plus marks obtained in admission test and interview.

2. M.Sc. (Morning and Evening Program)

Aggregate marks of B.Sc., plus marks of Physics plus 20 marks for Hifz-e-Quran.

Outline of Syllabus

A) M.Phil

| | | |
|---------|------------------------------|---|
| PHY-701 | Experimental Techniques I | 3 |
| PHY-702 | Non-Crystalline Materials | 3 |
| PHY-703 | Experimental Techniques II | 3 |
| PHY-704 | Semiconductor Physics | 3 |
| PHY-705 | Mathematical Physics | 3 |
| PHY-706 | Renewable Energy Sources | 3 |
| PHY-707 | Solid State Physics | 3 |
| PHY-708 | Laser Physics | 3 |
| PHY-709 | Quantum Optics | 3 |
| PHY-710 | Physics of Solar Cells | 3 |
| PHY-711 | Electrodynamics | 3 |
| PHY-712 | Physics of Metals and Alloys | 3 |
| PHY-714 | Crystallography | 3 |
| PHY-716 | Glasses | 3 |

Note: Eight courses shall be offered during first two semesters subject to the

availability of the staff and the convenience of the Department.

B) M.Sc. Physics (Morning/Evening Program) Semester Scheme

The University intends to introduce Semester Systems in all the disciplines/subjects from the forthcoming academic session (2004-06) and onward. In line with this policy of the University, the Department of Physics proposes the following scheme of courses of reading and evaluation for adoption and implementation.

Semester-I

| Title of Course | Credit Hours |
|-----------------------------------|--------------|
| Methods of Mathematical Physics-I | 3 |
| Quantum Mechanics-I | 3 |
| Analog Electronics-I | 3 |
| Computational Physics | 3 |
| Computational Physics Lab. | 3 |
| Laboratory-I | 3 |
| Total Credit Hours | 18 |

Semester-II

| Title of Course | Credit Hours |
|------------------------------------|--------------|
| Methods of Mathematical Physics-II | 3 |
| Quantum Mechanics-II | 3 |
| Analog Electronics-II | 3 |
| Classical Mechanics | 3 |
| Solid State Physics-I | 3 |
| Laboratory-II | 3 |
| Total Credit Hours | 18 |

Semester-III

| Title of Course | Credit Hours |
|---------------------------|--------------|
| Electromagnetic Theory-I | 3 |
| Nuclear Physics-I | 3 |
| Solid State Physics-II | 3 |
| Laboratory-III | 3 |
| Optional Paper-I | 3 |
| Total Credit Hours | 15 |

Semester-IV

| Title of Course | Credit Hours |
|-------------------------------|---------------------|
| Electromagnetic Theory-II | 3 |
| Nuclear Physics-II | 3 |
| Thermal & Statistical Physics | 3 |
| Optional Papers-II | 3 |
| Optional Paper-III | 3 |
| Total Credit Hours | 15 |

Total Credit Hours for M.Sc. Physics**Degree: 66**

- Note: i) Optional Papers-I, II, & III will be offered with the consent of the Chairman and subject to the availability of the Course Instructor(s)/Expert(s).
- ii) In Semester-IV, Optional Paper-II & III can be opted as per following scheme:
- | | |
|--|----------------|
| Optional Paper-II | 3 Credit Hours |
| Optional Paper-III | 3 Credit Hours |
| OR | |
| Optional Paper-II | 3 Credit Hours |
| Optional Paper-III (Project/ Laboratory) | 3 Credit Hours |
| OR | |
| Thesis in lieu of Optional Paper-II & III | 6 Credit Hours |

**Specialization Areas for
M.Sc. Physics**

Note: Any suitable combination of courses comprising 9 credit hours could be opted with the permission of the Chairman and subject to the availability of expert/teachers.

Option-A Advanced Electronics 3 Cr. H.

| | | |
|-------------|--------------------------------|---|
| Paper A-I | Digital Electronics-I | 3 |
| Paper A-II | Digital Electronics-II | 3 |
| Paper A-III | Digital Electronics Laboratory | 3 |
| Paper A-IV | Project | 3 |

Option-B Computer Hardware 3 Cr. H.

| | | |
|-----------|-------------------------------|---|
| Paper B-I | Digital Computer Logic Design | 3 |
|-----------|-------------------------------|---|

| | | |
|------------|---|---|
| Paper B-II | Microprocessor/Micro-Controller Principles & Applications | 3 |
|------------|---|---|

| | | |
|-------------|-----------------------------|---|
| Paper B-III | DLD and Computer Laboratory | 3 |
|-------------|-----------------------------|---|

| | | |
|------------|---------|---|
| Paper B-IV | Project | 3 |
|------------|---------|---|

Option-C Solid State Physics 3 Cr. H.

| | | |
|-----------|-------------------------------|---|
| Paper C-I | Special Solid State Physics-I | 3 |
|-----------|-------------------------------|---|

| | | |
|------------|--------------------------------|---|
| Paper C-II | Special Solid State Physics-II | 3 |
|------------|--------------------------------|---|

| | | |
|-------------|---------------------------------|---|
| Paper C-III | Special Solid State Physics-III | 3 |
|-------------|---------------------------------|---|

| | | |
|------------|------------|---|
| Paper C-IV | Laboratory | 3 |
|------------|------------|---|

| | | |
|-----------|---------|---|
| Paper C-V | Project | 3 |
|-----------|---------|---|

| | | |
|------------|--------|---|
| Paper C-VI | Thesis | 3 |
|------------|--------|---|

Option-D Laser Physics 3 Cr. H.

| | | |
|-----------|-----------------------------|---|
| Paper D-I | Opto-Electronics and Lasers | 3 |
|-----------|-----------------------------|---|

| | | |
|------------|-----------------------------|---|
| Paper D-II | Semiconductor Laser Devices | 3 |
|------------|-----------------------------|---|

| | | |
|-------------|------------|---|
| Paper D-III | Laboratory | 3 |
|-------------|------------|---|

| | | |
|------------|---------|---|
| Paper D-IV | Project | 3 |
|------------|---------|---|

| | | |
|-----------|--------|---|
| Paper D-V | Thesis | 3 |
|-----------|--------|---|

**Option-E Nuclear/Radiation Physics
3 Cr. H.**

| | | |
|-----------|-------------------|---|
| Paper E-I | Radiation Physics | 3 |
|-----------|-------------------|---|

| | | |
|------------|-------------------------------------|---|
| Paper E-II | Solid State Nuclear Track Detection | 3 |
|------------|-------------------------------------|---|

| | | |
|-------------|--|---|
| Paper E-III | Radiation Detection & Measurement Laboratory | 3 |
|-------------|--|---|

| | | |
|------------|---------|---|
| Paper E-IV | Project | 3 |
|------------|---------|---|

| | | |
|-----------|--------|---|
| Paper E-V | Thesis | 3 |
|-----------|--------|---|

Option-F Materials Science 3 Cr. H.

| | | |
|-----------|---------------------------------------|---|
| Paper F-I | Thermodynamics and Thermal Properties | 3 |
|-----------|---------------------------------------|---|

| | | |
|------------|--|---|
| Paper F-II | Ceramics, Polymers & Composite Materials | 3 |
|------------|--|---|

| | | |
|-------------|---|---|
| Paper F-III | Mechanical Properties and Strength of Materials-I | 3 |
|-------------|---|---|

| | | |
|------------|--|---|
| Paper F-IV | Mechanical Properties and Strength of Materials-II | 3 |
|------------|--|---|

| | | |
|-----------|--|---|
| Paper F-V | Solid State Reactions and Materials Technology | 3 |
|-----------|--|---|

| | | |
|------------|-----------------------------|---|
| Paper F-VI | Material Science Laboratory | 3 |
|------------|-----------------------------|---|

| | | |
|-------------|---------|---|
| Paper F-VII | Project | 3 |
|-------------|---------|---|

| | | |
|--------------|--------|---|
| Paper F-VIII | Thesis | 3 |
|--------------|--------|---|

| | | |
|------------|---------------------------------------|---|
| Paper F-IX | Amorphous & Polycrystalline Materials | 3 |
|------------|---------------------------------------|---|

| | | |
|-----------|----------------------------|---|
| Paper F-X | Physics of Magnetic Oxides | 3 |
|-----------|----------------------------|---|

Option-G Medical Physics 3 Cr. H.

| | | |
|-----------|-------------------|---|
| Paper G-I | Medical Physics-I | 3 |
|-----------|-------------------|---|

| | | |
|------------|--------------------|---|
| Paper G-II | Medical Physics-II | 3 |
|------------|--------------------|---|

| | | |
|-------------|----------------------------|---|
| Paper G-III | Medical Physics Laboratory | 3 |
|-------------|----------------------------|---|

| | | |
|------------|---------|---|
| Paper G-IV | Project | 3 |
|------------|---------|---|

| | | |
|-----------|--------|---|
| Paper G-V | Thesis | 3 |
|-----------|--------|---|

Option-H Instrumentation 3 Cr. H.

| | | |
|-----------|-------------------|---|
| Paper H-I | Instrumentation-I | 3 |
|-----------|-------------------|---|

| | | |
|------------|--------------------|---|
| Paper H-II | Instrumentation-II | 3 |
|------------|--------------------|---|

| | | |
|-------------|------------|---|
| Paper H-III | Laboratory | 3 |
|-------------|------------|---|

| | | |
|------------|---------|---|
| Paper H-IV | Project | 3 |
|------------|---------|---|

Department of Statistics

| | |
|----------------------|---|
| Established: | 1975 |
| Programs of Studies: | <i>BS (4-year); M.Sc; P.G.D. (CP&CS); M.Phil & Ph.D.</i> |
| Enrolment: | <i>See Chart - I for details</i> |
| Prerequisites: | For BS (4-years) <i>F.A/ F.Sc (With Mathematics)</i> For M.Sc <i>B.A/ B.Sc. with Statistics as an Elective subject with at least 45% marks</i> For M.Phil (Statistics) <i>M.Sc (Statistics) at least 45% marks</i> For Ph.D (Statistics) <i>M.Phil (Statistics) at least 65% marks</i> |
| Dean & Chairman: | <i>Prof. Dr. G. R Pasha</i> |
| Student Adviser: | <i>Prof. Dr. Ijaz Iqbal</i> |

Introduction

The Department of Statistics is one of those departments of the University, which started functioning in a rented building in Gulgashat Colony with the establishment of the University in 1975. It was shifted to its present premises, the **Statistics and Mathematics block** at the University Campus in 1987. The Department has now been developed and can be compared with any top ranking teaching departments of the subject in any University of Pakistan. The teaching faculty of the department consists of nine teachers, seven of them hold Ph.D. Two faculty members, at present, are pursuing their studies to the degree of Ph.D. and are expected to complete their Ph.D. degrees in the near future. Two of the faculty members have completed PGTP in Computer Science. The Department thus has a distinction among all the universities of Pakistan with respect to number of Ph.Ds.

The use of computer for rapid processing of information is need of the time. To meet this situation, the department has equipped its laboratories with latest computers (Pentium-IV) and audio-visual system. These laboratories provide all the facilities for Computing

Statistics, Data Processing, Computer Programming and Data Analysis for research. Research work being done and supervised by the faculty members is analyzed in the laboratory using modern statistical packages like Mini-tab, SPSS, QSB, and SAS. The modern computational/ research facilities are being provided to the faculty members, research scholars and the students of the department. The facilities are also offered to the academic staff of the university doing and supervising research in various disciplines. These labs also facilitate in composing and scanning of research works of the students to finalize their research work.

The department is connected with the university Local Area Network Server (LAN) providing Internet facilities to the teachers, research scholars and the students. Printing services on laser printer is also provided over this network. The cluster is fully equipped with scanner, megnabyte (Data/ Media show), Audio-visual System.

The Department has a well-equipped library containing a variety of research journals and latest books on the subject. We do not believe in quantity only but very expensive and rare quality books are also available in the library. An audio-visual system has also been acquired to exhibit recorded lectures of experts of national and international repute to the students. Study tours of the students to various Statistics Departments/ institutions and organizations are also arranged by the department as a part of their study programme to highlight the importance and implementation of Statistics in practical life.

The graduates of the department are offered jobs in the Government, Semi Government, and Private organizations.

The Department has been pursuing studies upto the level of M.Sc. students since its establishment. About 1000 students have been awarded Master of Science in Statistics so far. BS 4-year program classes have also been started. The students will be able to specialize in the subject during this course. A Postgraduate Diploma Course of one-year duration in Computer Programming and Computing Statistics has also been running successfully since 1993. The Department has a privilege of starting/ introducing the short courses in computer programming for the first time in the University.

Department has also started M.Phil classes from year 2000. The department is actively involved in research under the supervision of the Senior Faculty Members of department. Two scholars have already been awarded Ph.D. degree. Five scholars have been registered

and carrying out their studies in Ph.D program and twenty five students are also pursuing their studies in M.Phil. Nine scholars have been registered under HEC indigenous Ph.D program. M.Sc (Statistics) evening classes started from last academic session.

Admission

The detail of seats for admission to is given in the Chart No. I. The admission will be made by the Departmental Admission Committee, according to the admission/ merit criteria to be laid down by the University.

M.Sc (Statistics) (Morning)

As mentioned earlier, the department has been running the M.Sc program for last 28 years successfully. This is an intensive course and covers all aspects of statistical training both theoretical and practical.

M.Sc (Statistics) (Evening)

Keeping in view the concern and desire of the candidates belonging to Southern Punjab, Department of Statistics has launched M.Sc Evening Program on Self Finance Basis. This program will be helpful to those persons who could not continue their education for one or the other reasons such as in service or family circumstances. The Statues and Regulations for this program regarding admission system and examination etc shall be the same as already in vogue in this department.

This program is available to every body who applies and fulfills the requirements of admission procedure in the prospectus. The program shall be only started by having at least 30 students. Five seats in evening program will be for Postgraduate Diploma (CP & CS) holder of Statistics Department, Bahauddin Zakariya University, Multan.

Departmental Admission Committee For M.Sc.

| | |
|----------------------------|-----------|
| Prof. Dr. G.R. Pasha | Chairman |
| Prof. Dr. Rana Abdul Wajid | Secretary |
| Dr. Muhammad Akram | Member |
| Mr. Muhammad Aman Ullah | Member |

Eligibility for M.Sc.

The candidates, who have passed B.A/ B. Sc. Examination, securing at least 45% marks in Statistics as an Elective subject as well as in the aggregate of B.A./ B.Sc., are eligible for admission to M.Sc. Statistics Ist semester. The order of preference will be as under: -

- 1) First division in BA/ B.Sc. with further order of preference as:
 - i) Statistics and Mathematics at B.A/ B.Sc. level
 - ii) Computer Science and Statistics at B.A/B.Sc. level
 - iii) Statistics with any other subject at B.A/B.Sc. level, but having studied Mathematics upto F.A/ F.Sc. level
 - iv) Statistics with any other subject at B.A/B.Sc. level without having studied Mathematics
- 2) Second division in B.A./B.Sc. with further order of preference as:
 - i) Statistics and Mathematics at B.A/ B.Sc. level
 - ii) Computer Science and Statistics at B.A/B.Sc. level
 - iii) Statistics with any other subject at B.A/B.Sc. level, but having studied Mathematics upto F.A/ F.Sc. level.
 - iv) Statistics with any other subject at B.A/B.Sc. level without having studied Mathematics.

Computation of Merit

The merit will be determined as under: -
Aggregate marks of BA/ B.Sc., plus marks obtained in Statistics, plus 20 marks for Hifz-e-Quran.

Scheme of Studies for M.Sc. (Statistics)

Under Term System Session: 2004-2005

Semester-I

| Course No. | Course Title | Credit Hours |
|-------------------|---|--------------|
| Compulsory | | |
| STAT-500 | Statistical Methods | 4(3-2) |
| STAT-501 | Probability and Probability Distributions-I | 3(2-2) |
| STAT-503 | Sampling and Survey Methods-I | 3(2-2) |
| STAT-505 | Data Processing & Statistical Computing-I | 3(2-2) |
| STAT-513 | Population Studies | 3(3-0) |
| Total | | 16 |

Semester-II

| | | |
|----------------------------------|--|-----------|
| Compulsory | | |
| STAT-502 | Probability and Probability Distributions-II | 3(2-2) |
| STAT-504 | Sampling and Survey Methods-II | 3(2-2) |
| STAT-506 | Data Processing & Statistical Computing-II | 3(2-2) |
| STAT-507 | Design and Analysis of Experiments-I | 4(3-2) |
| Optional | | |
| One optional course from Group-I | | 3(3-0) |
| Total | | 16 |

Semester-III

| | | |
|--------------------------------------|--|-----------|
| Compulsory | | |
| STAT-508 | Design and Analysis of Experiments-II | 3(2-2) |
| STAT-509 | Statistical Inference-I | 4(3-2) |
| STAT-511 | Regression Analysis and Econometrics-I | 3(2-2) |
| Optional | | |
| One optional course from Group-II | | 3(3-0) |
| (One optional course from Group-III) | | 3(3-0) |
| OR | | |
| STAT-615 | Theses-I | 3(3-0) |
| Total | | 16 |

Semester-IV

| Compulsory | | |
|------------------------------------|---|-----------|
| STAT-510 | Statistical Inference-II | 3(2-2) |
| STAT-512 | Regression Analysis and Econometrics-II | 4(3-2) |
| STAT-514 | Multivariate Analysis | 3(3-0) |
| Optional | | |
| One optional course from Group-IV | | |
| | | 3(3-0) |
| (One optional course from Group-V) | | |
| | | 3(3-0) |
| OR | | |
| STAT-616 | Theses-II | 3(3-0) |
| Total | | 16 |

Groups for Optional Courses**Optional Courses Group-I**

| Course No. | Course Title | Credit Hours |
|------------|---|--------------|
| STAT-600 | Statistical Quality Control and Reliability | 3(3-0) |
| STAT-601 | Survival Analysis | 3(3-0) |
| STAT-602 | Biostatistics and Epidemiology | 3(3-0) |

Optional Courses Group-II

| | | |
|----------|-----------------------------------|--------|
| STAT-603 | Non-Parametric and Robust Methods | 3(3-0) |
| STAT-604 | Official Statistics | 3(3-0) |
| STAT-605 | Categorical Analysis | 3(3-0) |

Optional Courses Group-III

| | | |
|----------|---------------------|--------|
| STAT-606 | Operations Research | 3(3-0) |
| STAT-607 | Decision Theory | 3(3-0) |
| STAT-608 | Bayesian Statistics | 3(3-0) |

Optional Courses Group-IV

| | | |
|----------|---|--------|
| STAT-609 | Advance Theory of Statistics | 3(3-0) |
| STAT-610 | Time Series Analysis and Forecasting | 3(3-0) |
| STAT-611 | Theory and Applications of Nonlinear Models | 3(3-0) |

Optional Courses Group-V

| | | |
|----------|----------------------|--------|
| STAT-612 | Stochastic Processes | 3(3-0) |
|----------|----------------------|--------|

| | | |
|----------|---------------------------------------|--------|
| STAT-613 | Statistics and Information Technology | 3(3-0) |
| STAT-614 | Sample Survey and Report Writing | 3(2-2) |

Note: All the courses in the 500 series are compulsory while in the 600 series are optional

Thesis/Dissertation

In lieu of above two optional papers, a student may opt for Thesis/ Dissertation of 6 credit hours in consultation with the Department. Only those students who pass semester-I & II securing at least B grade may be allowed to opt for Thesis/ Dissertations.

M.Phil Leading to Ph.D Program**Introduction**

Statistics is a subject that appeals to every field of life for the collection, summarization and presentation of informations in the most efficient manners. It is also used in analyzing and interpreting the results and modeling of real life situations. Highly qualified and trained statisticians are, therefore, the basic need of every nation for the development of its Socio-Economic setup. To meet such challenges department of statistics started M.Phil classes in 2001. The study of M.Phil is based on two years training. During the first & second semesters, students undergo the course work and in their remaining year, they are given research task. During this period, the students are given full training of advance work and research to meet the requirements of the nation. More over, this M.Phil is a leading programme towards Ph.D.

Departmental Admission Committee for M.Phil

| | |
|------------------------|-----------|
| Prof. Dr. G. R. Pasha | Chairman |
| Prof. Dr. Asghar Ali | Member |
| Prof. Dr. Zafar Mahmud | Secretary |
| Prof. Dr. Ijaz Iqbal | Member |

Eligibility for M.Phil (Semester System) in Statistics

A candidate who has passed the M.Sc (Statistics) is eligible for admission provided that he/ she has secured at least 45% marks in M.Sc (Statistics).

Scheme of Studies for M.Phil (Statistics)**Semester-I (12 Credit Hours)**

| Course # | Course Title |
|----------|--|
| Stat-701 | Statistical Inference-I |
| Stat-702 | Linear Model and Regression Analysis-I |

Any two of the following:

| | |
|----------|---|
| Stat-705 | Design of Experiment |
| Stat-706 | Applied Multivariate Analysis |
| Stat-707 | Operations Research |
| Stat-708 | Time Series and Forecasting |
| Stat-709 | Categorical Data Analysis |
| Stat-710 | Logical Reasoning and Social Research Methods |

Semester-II (12 Credit Hours)

| | |
|----------|---|
| Stat-703 | Statistical Inference-II |
| Stat-704 | Linear Model and Regression Analysis-II |

Any two of the following:

| | |
|----------|--------------------------------|
| Stat-711 | Survey Sampling |
| Stat-712 | Measure Theory and Integration |
| Stat-713 | Survival Data Analysis |
| Stat-714 | Applied Stochastic Models |
| Stat-715 | Spatial Data Analysis |
| Stat-716 | Advance Theory of Statistics |

Thesis (32 Credit Hours)

Note: In each optional paper minimum number of Students should be 5.

University College of Agriculture

| | |
|-----------------------------|--|
| Established: | 1989 |
| Programme of Studies: | i) <i>B.Sc. (Hons.) Agriculture</i> ii) <i>B.Sc. Agricultural Engineering</i> iii) <i>M.Sc. (Hons.) Agriculture</i> iv) <i>Ph.D. Agriculture</i> |
| Enrollment: | See Chart No. 1 |
| Prerequisites: | i) <i>F.Sc. (Pre-Medical)</i> ii) <i>F.Sc. (Pre-Engineering)</i> <i>respectively.</i> iii) <i>B.Sc. (Hons.) Agriculture</i> iv) <i>M.Sc. (Hons.) Agriculture</i> |
| Principal: | <i>Prof. Dr. Mushtaq Ahmad Saleem</i> |
| Director Student's Affairs: | <i>Mr. Shakeel Ahmad</i> |
| Farm Manager: | <i>Dr. Hakoomat Ali</i> |

Introduction

Agricultural potential and specific ecological conditions of the region led to the establishment of Agriculture College of Bahauddin Zakariya University, Multan in 1989. The construction of college building was started in 1990. Three academic blocks, one for the Departments of Agronomy and Soil Science, second for the Departments of Agricultural Entomology and Plant Pathology and third for the Departments of Plant Breeding and Genetics and Horticulture have been constructed. A boys hostel for 250 students and sixteen residences for staff have also been constructed. Seven laboratories have been set up for conduct of practical and research work. In addition "Central Postgraduate Research Laboratory" and "Chrysopa Research Laboratory" have been established recently for postgraduate students. Moreover, construction of another academic blocks for Agricultural Economics and Agriculture Education & Extension Departments and Administration Block will be started soon.

The College is offering four years degree programme of B.Sc. (Hons.) and two years M.Sc. (Hons.) in Agriculture with specialization in Agronomy, Agricultural Entomology, Horticulture and Plant Breeding and Genetics. Other specializations such as Plant Pathology, Soil Science, Agricultural Economics and Agricultural Education & Extension will be started later on

as the teaching staff becomes available and facilities are developed. Ph.D. programme is offered in six subjects such as Agri. Entomology, Agronomy, Forestry, Horticulture, Plant Breeding & Genetics and Soil Science. The programmes of studies are being run under the semester system of Examination. At present the College has 31 regular and a number of visiting teachers borrowed from various Departments of the University/Agriculture Department & Institutes at Multan. Of 31 regular teachers, 11 are holding Ph.D degree while Ph.D of 5 teachers is near completion. By this way about 50% teachers of UCA are Ph.D.

A Regional Research Station of Pakistan Agricultural Research Council (PARC) has been established at the College to cover the researchable areas of Southern Punjab. An integrated pest management project is also in progress with financial and technical assistance of PARC, Islamabad. Likewise, one research project on Diagnostic and Research Centre of Mango has been approved by the Governor / Chancellor in a meeting on 24-7-2003 at Governor House and thereafter by the Higher Education Commission Islamabad.

A fruit plant nursery is being established for propagation of different cultivates of mango, citrus and other fruits, so that in future this institution should provide leadership in the germplasm of these fruit trees not only in the Southern Punjab but also in the whole country.

Agricultural Farm of 400 acres is also attached with the College for demonstration of crop production practices, and 20 acres are reserved for faculty research. Research work has been initiated on the various aspects of field crops. The emphasis is on the improvement of cropping system, weed control, insect toxicology, insecticide resistance and integrated pest management strategies suited to the local conditions. The College has also developed collaboration with Pak German Institute for Co-operative Agriculture, Chak 5- Faiz and Agricultural Machinery Research Institute, Multan, Central Cotton Research Institute, Multan, National Agricultural Research Centre, Islamabad, Department of Agriculture and Environmental Science, University of Newcastle upon Tyne, UK and Messer's Warble (Pvt.) Ltd. Multan for conducting practicals and research on Agricultural Entomology, Crop Production, Crop Physiology, Soil Science, Horticulture and Plant Breeding & Genetics.

The College library has more than four thousand volumes of latest books on various disciplines of agriculture and allied sciences. It has been converted into fully airconditioned library to facilitate the readers.

Recently HEC has approved PC-I (Phase I- Revised) for three years i.e. 2004-5, 2005-06 and 2006-07. Funds will be provided soon for Civil Works (Admin Block, Agri. Econ. and Agri. Extension Blocks, 75 Residences, Agri. Museum, Cycle Stand, Temperature Control Room, Photo Lab., Green House, Machinery Shed) and other than Civil Works (Books, Furniture, Office Equipment, Lab. Equipment, Implements and Transport).

DEGREE AWARDING PROGRAMMES

- i) B.Sc. (Hons.) Agriculture
- ii) B.Sc. Agricultural Engineering
- iii) M.Sc. (Hons.) Agriculture
- iv) Ph.D Agriculture

M.Sc. (Hons.) Agriculture

I. Admission

Admission to M.Sc. (Hons.) Agriculture shall be governed by the existing Statutes and Regulations relating to M.Sc. (Hons.) Agriculture Degree as prescribed by the University and also as amended from time to time. Presently the programme is offered in the subjects of Agri. Entomology, Agronomy, Horticulture and Plant Breeding & Genetics.

The details of the seats are given in the Chart. The following Admission Committee according to the admission/merit criteria announced by the College will make admission:

2. Admission Committee

| | |
|--------------------------------|----------------------|
| Prof. Dr. Musthaq Ahmad Slaeem | Chairman |
| Dr. Muhammad Aslam | Member |
| Dr. Naveed Murtaza | Member |
| Dr. Muhammad Bismillah Khan | Member |
| Dr. Muhammad Abid | Member |
| Dr. Muhammad Akbar Anjum | Member |
| Dr. D. M. Zahid Khan | Member/ Secretary |

3. Eligibility

- The candidates who have passed B.Sc. (Hons.) Agriculture examination in the relevant subjects securing at least 50% marks (2.50 CGPA) are eligible to apply for admission to 1st semester of M.Sc. (Hons.) Agriculture class.
- The candidates will produce a certificate of good conduct/character from:
 - employer, if employed
 - the Head of the Institution/College last attended.
- Each candidate for admission in M.Sc. (Hons.) Agri. shall make an application for admission in response to the advertisement by the University on prescribed application form.

4. Computation of Merit

The merit will be determined on the basis of academic record + marks obtained in entry test + interview + experience + Hifz-e-Quran.

The allocation of marks for determining merit shall be as follows:

| | |
|------------------|--|
| Entry Test: | 35 marks (no negative marking in the test) |
| Interview: | 10 marks |
| Academic Record: | 50 marks |
| Experience: | 1 mark per year (Teaching/Research/ Professional) upto maximum of 05 marks |

Total: 100 marks

Twenty marks for Hifz-e-Quran will be included in the marks of F.Sc. and B.Sc. (Hons.) Agri. for computation of merit under "Academic Record".

A candidate has to pass entry test and interview separately to qualify for the admission. The minimum pass marks are 40%.

Note: Rs. 200/- will be charged as entry test fee at the time of submission of applications.

Distribution of marks allocated to the academic record shall be as under:

| | 1 st Division/ 3.00 CGPA or above | 2 nd Division/ 2.5 CGPA or above |
|---------------|--|---|
| B.Sc. (Hons.) | 30 | 25 |
| F.Sc. | 20 | 10 |

Break up of Seats

Detail is provided in the Chart.

Regulations

- Each admission shall be approved by the Committee for Advance Studies of the UCA after a candidate has qualified in a written test and interview separately, conducted by the Admission Committee of the Department concerned.
- The Admission Committee for each Department shall be constituted by the Vice-Chancellor on the recommendation of the Chairman/Director/Principal of the Department concerned.
- Candidates whose names were dropped or struck off the rolls of any University Teaching Department due to shortage of lectures or non payment of dues or poor performance or non appearance in examination etc. shall not be granted admission without the permission of the syndicate.
- Any student who was rusticated, expelled, or whose entry into the University campus was banned for any reason whatsoever at any time during his/her academic career shall not be admitted to any class without the permission of the competent authority.
- Any reserved seat, which remains unfilled, shall not be transferred to the merit quota.

6. Maximum upper age limit for the seeking admission of M.Sc. (Hons.) Agri. course in any discipline shall be forty-five years on the last date fixed for receipt of applications provided the Vice-Chancellor may relax upper age limit in genuine cases.

7. In Service Candidates

The candidates who are in the service of Government/Semi-Government or Autonomous Organization/Universities including Bahauddin Zakariya University, Multan at the time of admission or seek/get employment after securing admission shall submit written permission and relieving certificate from their employer within maximum period of three months after joining the University as whole time student for the prescribed period of two years. Violation of this regulation shall lead to cancellation of admission. Provided that the teachers of B.Z. University, Multan are exempted from the application of this regulation and as such they are not required to get study leave during the period of their M.Sc. (Hons.) Agri. studies.

8. The University Authorities shall have the discretion to refuse admission to any applicant without assigning any reason.
9. All admissions secured by providing wrong information or concealment of relevant information or admission made in contravention of these regulations shall be void/liable to be cancelled.
10. Students shall be required to attend regularly all lectures, seminar session, field work, laboratory work, etc; as may be specifically required.
11. Rates on the basis of Special Admission Charges will be Rs. 75,000/- per seat or as amended/approved by the University from time to time.
- a) This amount of Special Admission Charges basis will be in addition to tuition fee and other dues to be

charged from the students offered admission in M.Sc. (Hons.) Agri. course.

12. The name of a regular student of M.Sc. (Hons.) Agri. class shall be dropped from the rolls of the teaching Department of the University, if;

- He/she does not fulfil the attendance requirement as prescribed.
- He/she becomes a defaulter in the payment of dues by not paying the fee upto the tenth of the month in which it is payable and continues to remain a defaulter by non-payment of dues even with a late fee fine of Rupee 10/- per day upto the end of the month.
- He/she absents himself/herself from the course work/classes for a period of consecutive **fourteen working days** provided that if the cause of absence for consecutive **fourteen working days** or more is explained to the satisfaction of the Chairman/Director/Principal of the Department/Centre/Institute/College concerned. Such a student may be re-admitted within fifteen working days after his name is dropped from the rolls.

Provided further that in order to avoid any hardship, the Vice-Chancellor may allow admission of such students within 15 working days after the expiry of the aforesaid period.

- He/she absents himself/herself from the research work without proper sanction from the supervisor and the Chairman/Director of the Department/Centre/Institute for a period of consecutive fourteen working days, provided that if the cause of absence for consecutive fourteen working days or more is explained to the satisfaction of the supervisor and the Chairman/Director. Such a student

may be re-admitted within fifteen working days after his name is dropped from the rolls.

Provided further that in order to avoid any hardship, the Vice-Chancellor may allow admission of such students within 15 working days after the expiry of the aforesaid period.

I- Admission to the Course

- If the schedule of courses pursued by a candidate for his Bachelor's degree does not provide adequate background for the M.Sc. (Hons.) Course which students intends to take up, students may be required to rectify the deficiency by taking one or more additional courses.
- Candidates may be admitted at the beginning of the Winter or the Spring Semester. If a candidate fails to enroll in the semester for which he/she was admitted, his/her admission shall stand cancelled.
- A candidate admitted to the course (in partial residence) shall be required to be in residence at the University during the first two semesters.
- Committee for Advanced Studies (CAS)/ Director Advanced Studies may refuse admission of a student to the Course without assigning any reason.
- Candidates admitted to the course shall, for so long as students have not submitted their thesis, enroll themselves for each semester provided that students may discontinue their studies on account of sickness duly certified by the University Medical Officer or due to circumstances beyond their control, before appearing in the Final Examination, with the permission of the Vice-Chancellor obtained through the Chairman of the Committee of Advanced Studies/Director Advanced Studies on the recommendation of the Dean/Director/Principal.

Explanation: Candidates so permitted to discontinue will be allowed to resume their studies by the Dean/Director/Principal and will be notified by the Chairman of the Committee of Advanced Studies/Director Advanced Studies.

6. An application for enrolment on the prescribed form (GS/10), accompanied by the prescribed fees, shall be presented on the day(s) notified for enrolment or on the next working day which shall be allowed as grace period provided that the Dean/Director/Principal may, in special circumstances and on payment of a late fee of Rs. 200, permit a student to enroll within seven days after the commencement of the semester.

Explanation: Enrolment will be completed only when the student has submitted their GS/10 form for a particular semester in the office of Chairman of the Committee of Advance Studies/Director Advanced Studies. Only payment of dues, etc., on the due date will not be sufficient.

7. If a student fails to enroll in any semester without permission of the competent authority he/she shall cease to be on the rolls of the University College, and in case he/she desires re-admission, he/she shall have to apply for the same.

Explanation: Committee for Advanced Studies (CAS)/Director Advanced Studies may re-admit such a candidate or refuse admission if the reasons mentioned are not convincing.

8. When a candidate has been enrolled for his/her first semester, Committee for Advanced Studies (CAS)/Director Advanced Studies shall, on the recommendation of the Dean/Director/Principal made in consultation with the Chairman of the Department/Incharge of Section concerned, constitute for the candidate a Supervisory Committee which shall normally consist of two teachers from the major field of study and

one from the minor field of study, provided that if an outstanding specialist in the major or minor field of study, is available outside the University, he/she may be appointed as a member of the Supervisory Committee in place of a teacher or as an Special/Additional Member. One of the teacher member from the major field of study will be designated as Chairman of the Supervisory Committee.

9. When a candidate admitted to the course in partial residence has been enrolled for the first Semester, Committee for Advnaced Studies (CAS)/Director Advanced Studies shall, on the recommendation of the Dean/Director/Principal made in consultation with the Chairman of the Department/Incharge of Section, as the case may be constitute for the candidate a Supervisory Committee which shall normally consist of three specialists, two from major field of study and one from the minor field of study. One of the specialists in the major field of study shall be a teacher of the University and shall act as the Chairman of the Supervisory Committee and the other specialist in the major field of study shall belong to the institution where the candidate is permitted to undertake research and shall act as Co-Sueprvisor for the purpose of research under the general guidance of Supervisory Committee.

10. A student who is enrolled for a course shall not be allowed, to add a new course or substitute a course for another after the expiry of twenty days from the commencement of the semester, but students may be permitted, on the recommendation of the Major Supervisor/Chairman of the Department and the teacher concerned, to drop a course within thirty days. In case a student gives up a course without such permission or intimation, students shall be deemed to have failed in that course.

11. When a course for which a student is enrolled, cannot be held according to the programme announced, students may take up an alternative course, but this must be done not later than fifteen days after the date of enrolment.

12. The admission of a candidate to the course shall be provisional in the first instance and shall be confirmed only when students has:

- i) Shown satisfactory progress in course work and thesis research.
- ii) Rectified the course deficiencies, if any.

II- Courses of Study and

III- Requirement of the Course

Statutes:

13. The Subjects of study for the M.Sc. (Hons.) Examination are given in schedule I. This schedule may be amended from time to time. The candidate must, in addition to completing his approved Course Work, present an acceptable thesis on the basis of his approved programme of research.

- 13(I) A student admitted to the course shall be required to undertake the following course work:

- a) Students shall take not less than 40 credits of course work excluding the credits required for rectifying course deficiency, if any, in at least four semesters. These credits will include 10 credits of research.
- b) Nearly two-third of the credits for the course shall be in the major field of study and one-third in the minor fields of study; on the basis of the minimum requirements; the minor fields may be one or two but shall not exceed three. If more credits are taken under major and minor courses, then the ratio of two-third and one-third shall not apply in such cases.

Explanation: The ratio of one-third and two-third shall not apply to credits taken over and above the minimum requirements of 30 credits. The number of minimum credits under major and minor courses will either be 20 and 10 or 19 and 11, respectively as decided by Committee for Advanced Studies (CAS)/Director Advanced Studies.

- i) The College shall not offer the course if the number of enrolled students in that course is less than five.
- ii) Statistics and Biochemistry shall be compulsory for all students.

These courses may be counted as deficiency or minor fields as the Supervisory Committee may decide.

Regulations

13(II) All post-graduate courses will be designated by 700 preceded by the first two to four alphabets of the name of the department/discipline. Laboratory courses, if any, will carry separate numbers.

14. No student will take any course unless he/she has cleared the pre-requisite for it as determined by the Department/Institute/Centre/College.

15. i) Ordinarily a whole-time student shall not be enrolled for more than 15 and less and 10 credits in a semester except the last semester. These credits will include the credits earned in respect of deficiency courses.
- ii) A part time student shall not take more than two courses in a semester.
- iii) Out of the total number of credits referred to in Statutes 13(I)(a), one credit shall be earned through seminar and not more than two credits may be earned through Special Problem.
- iv) Committee for Advanced Studies

(CAS)/Director Advanced Studies may, on the recommendations of Board of Studies, count towards the requirements of the course, credits earned by a student at another recognised institution, subject to maximum of 50 percent of the minimum credits requirements laid down in these regulations provided that:

- a) the courses for which credit is claimed, were identical with or similar to the courses included in the programme approved for them;
- b) the credits allowed to Seminar and Special Problems shall not exceed the limit laid down in this regulation.
- c) The courses for which credit is claimed have not been used for any degree.

Explanation: One credit is earned for each class hour of scheduled lecture or seminar or special problem and for each scheduled practical of not less than two class hours per week.

16. No course shall carry more than 4 credits, except thesis research.

IV- Tests and Examinations

17. i) There shall be two examinations for each course during each semester. The examinations shall be termed as mid-term and final. In addition to these examinations, the teacher shall give home assignments, term papers, quizzes, etc. The determination of the form of these examinations will be left to the teacher who will be solely responsible for the conduct of examination as well as evaluation in his course. The grade given in the course by the teacher shall be final.
- ii) Only those students who have

attended not less than 75 percent of the lectures and practicals, separately in each course, shall be eligible for admission to such examination.

- iii) A teacher shall report to the Dean/Director/Principal concerned through the Chairman of the Department/Sectional Head concerned the name of students who are absent from the lectures/practicals continuously for seven days to enable him/her struck off such students.

18. The final examination for the semester shall be held on a date and time and place to be notified by the Incharge of Examinations/Controller of Examinations.

19. To pass a deficiency course a student shall be required to obtain:

- i) Marks prescribed in the regulations relating to the undergraduate examination concerned if the deficiency course is of 1st and 2nd year level otherwise atleast grade C;
- ii) Grade C, if the deficiency course is of post-graduate level.

20. The scripts of each examination shall be given to the student concerned by the teacher, taken back immediately and then forwarded to the Controller of Examinations/Incharge Examination within five days, who shall preserve the scripts for two years.

21. i) The mid-semester examination shall be held during 9th week of the semester which shall carry 30 percent of the total allocated marks for the course. This examination shall be held by the teacher concerned who shall determine the form of the examination.
- ii) In addition, quizzes, special home assignments and/or term papers shall carry 10 percent of the total marks allocated which shall be uniformly

split over the whole semester. The final examination to be held at the end of the semester shall carry 60 percent of the total marks allocated.

- iii) For the purpose of evaluation, one credit will carry 20 marks, e.g. a five credits course will carry 100 marks. These marks will be divided in accordance with the credits assigned to theory and practical for each course.

22. The following weightage shall be given to the theory examinations, home assignments, term papers, etc.

- | | |
|---|-------------|
| i) Mid-semester examination | 30% |
| ii) Home assignments, Term papers, Quizzes etc. | 10% |
| iii) Final Examination of the Course (Covering the Entire Course) | 60% |
| Total: | 100% |

The practical examination will include sessional work, final and oral examination. The oral part will not carry more than twenty five percent of the total marks of practical.

For cumulative passing, the essential condition will be the attainment of at least 20 percent marks in mid term and final examination.

23. In order to qualify in the examination of a semester, a student must obtain at least 40 percent marks separately in theory and practical examination. For cumulative passing, the essential condition will be the attainment of at least 20 percent marks in mid term and final examination.

It will also be essential to pass separately in the theory and the practical examinations.

24. The teacher shall send the final award list for the course to the Controller/Incharge of Examinations and a copy to the

Principal/Chairman of Department, normally within five days after the end of the Semester.

25. On receipt of the award lists, the Incharge/Controller of Examinations shall prepare a consolidated award sheet and send it to the Principal and the Chairman of the Department concerned.

26. A student, who has taken the final Examination of an approved course at the end of a semester, shall not be permitted to delete the course.

27. A student who fails to make up the deficiency in his grade point average, in the number of chances permitted, shall cease to be on the rolls.

V- Grade Point Average

28. Grade point will be as follows: A for 4, B for 3, C for 2, D for 1 and F for Failure (that is Zero).

Maximum grade point average 4.00

Minimum grade point average for obtaining M.Sc. (Hons.) Agriculture Degree 2.50

Equivalence between letter grading and numerical grading shall be as follows:

| Grade | Value | Marks | Remarks |
|-------|-------|-----------|--------------|
| A | 4 | 80-100% | Excellent |
| B | 3 | 65-79% | Good |
| C | 2 | 50-64% | Satisfactory |
| D | 1 | 40-49% | Pass |
| F | 0 | Below 40% | Fail |

(Fractions will be rounded to the nearest whole number)

Explanation:

- a) At the end of the first semester, student must obtain a minimum grade point average (G.P.A) of 2.00 to be promoted to the Second Semester.

b) In case a student is able to obtain GPA of 1.75 or more but less than 2.00, he/she will be promoted to the Second Semester on probation.

c) At the end of the Second Semester, a student must obtain a minimum cumulative grade point average (CGPA) of 2.00 and must also pass at least 50 percent of the courses taken by him/her in order to be promoted to the third semester. If any of the preceding two conditions is not fulfilled by a student, he/she shall cease to be on the rolls.

d) A student will be required to repeat those courses of the previous semesters in which he/she had failed, at the first available opportunity, provided that his/her maximum work load, including the courses being repeated by him, will not exceed the normal work load.

e) At the end of the third semester, the CGPA. of a student should not be less than 2.00, otherwise he shall cease to be on the rolls.

29. A Student, who obtains CGPA of 2.00 but less than 2.50, upon the completion of entire approved course work, may be allowed to repeat once the courses of the previous semesters in which student had obtained the lowest grades, in order to improve the CGPA so as to obtain the minimum of 2.50, failing which student shall cease to be on the rolls.

VI- Thesis Examination

30. A student shall be entitled to submit thesis for examination after he/she has passed all the final examinations in the approved courses provided that the student has also fulfilled the residential requirements.

31. The thesis shall be prepared and

presented in the manner laid down in the instructions approved by Committee for Advanced Studies (CAS) / Director Advanced Studies.

32. The loose copy of thesis shall be referred to the examiners for evaluation duly certified by Major Supervisor that the contents and form of the thesis are satisfactory for submission.
33. The thesis shall be evaluated by a Board of Examiners comprising members of the Supervisory Committee and one External Examiner, appointed by the Vice Chancellor from the panel proposed by Committee for Advanced Studies (CAS) / Director Advanced Studies, out of the panel of names recommended by the Chairman Board of Studies. At least three members of the Board of Examiners of whom one must be an External Examiner shall, for the purpose of evaluating the thesis, hold a viva-voce examination and such other tests as they may consider necessary.
34. The thesis shall be evaluated by the Board of Examiners according to the following numerical and letter grades:
 - a) There shall be 100 marks corresponding to 10 credit hours allocated for thesis and these may be divided as under:
 - i) Thirty percent of the total marks will be reserved for the evaluation of technical presentation of thesis, such as the volume, format, illustrations, diagrams, references etc., and
 - ii) Seventy percent marks will be reserved for the subject matter of the thesis and the knowledge gained by the candidate throughout the course of his studies as provided under regulations.
 - b) The marks so awarded will be converted into letter grades by the

prescribed formula which shall be A, B, C, D or F, as the case may be. Average grade on the basis of Course Work and Thesis will then be worked out to calculate the final CGPA.

35. All the members of Supervisory Committee present and the External Examiner shall sign the thesis after the viva-voce examination after making necessary corrections and incorporating therein any suggestions by the Board of Examiners.
36. If a candidate fails in the thesis examination, he/she may enroll again and submit revised thesis on payment of the prescribed examination fee but the student will not be entitled to resubmit his thesis before the expiry of six months after the date of the declaration of the result of the last thesis examination. Students can avail this chance only once.
37. In case of disagreement among the examiners regarding the acceptance of the thesis, it shall be referred to another External Examiner whose decision shall be final.
38. The subject approved for thesis research shall remain valid only for 8 semesters from the date of admission of the candidate to the Course. Committee for Advanced Studies (CAS) / Director Advanced Studies may, however, relax this condition for special reasons to be recorded.
39. A student admitted to the course in partial residence shall undertake research work in a laboratory or institute approved by the Syndicate on the recommendations of the Academic Council and Advanced Studies and Research Board.

VII- Examination Fees

40. University examination fees shall be charged at the time of registration/

enrollment for each semester.

VIII- General

41. A candidate who passes all the examinations with the prescribed CGPA shall be awarded the Degree of Master of Science (Hons.) Agriculture.

IX- Outline of Syllabus

Syllabi for various disciplines of M.Sc. (Hons.) Agriculture degree are given below:

Agronomy

| Course No. | Title of the Course | Credit Hrs. |
|------------|---|-------------|
| Agron 701 | Modern Concepts in Crop Productivity | 4(3-2) |
| Agron 702 | Crop Production and Herbicides | 4(3-2) |
| Agron 703 | Management of Crop Nutrition | 4(3-2) |
| Agron 704 | Advanced Irrigation Agronomy | 4(3-2) |
| Agron 705 | Applied Crop Ecology | 3(2-3) |
| Agron 706 | Field Crop Experimentation | 4(3-2) |
| Agron 707 | Advanced Agronomy | 4(3-2) |
| Agron 708 | Applied Conservation Agronomy | 3(3-0) |
| Agron 709 | Advanced Seed Technology | 4(3-2) |
| Agron 710 | Crop Management on Problem Soils | 4(3-2) |
| Agron 711 | Agro-Meteorology | 3(3-0) |
| Agron 712 | Advanced Crop Production Technology | 3(3-2) |
| Agron 713 | Weed Management | 4(3-2) |
| Agron 714 | Arid Zone Agronomy | 4(3-2) |
| Agron 715 | Environments and Efficient Water Use | 3(3-0) |
| Agron 716 | Post-harvest Seed Technology | 3(3-0) |
| Agron 717 | Sustainable Agriculture | 3(3-0) |
| Agron 718 | Recent Advances in Agronomy | 3(3-0) |
| Agron 719 | Special Problem | 1(1-0) |
| Agron 720 | Seminar | 1(1-0) |
| Agron 22 | Stress Agronomy | 4(3-2) |
| Agron 722 | Farming Systems for Sustainable Crop Production | 3(3-0) |
| Agron 723 | Allelopatty in Crop Production | 4(3-0) |

Agri. Entomology

| | | |
|---------|--------------------------------|--------|
| Ent 701 | Research Methods in Entomology | 3(2-4) |
|---------|--------------------------------|--------|

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|---------------------|--|--------|------------------------------------|--|--------|------------------------|---|--------|
| Ent 702 | Origin and Phylogeny of Insects | 3(3-0) | Hort 715 | Landscape Design | 3(2-2) | FRW 703 | Advances in Agro – Forestry | 3(2-2) |
| Ent 703 | Environmental Entomology | 2(2-0) | Hort 716 | Onion and Relatives | 3(2-2) | FRW 704 | Advances in Agro – Forest Products | 3(2-2) |
| Ent 704 | Advanced Insect Morphology | 3(1-4) | Hort 717 | Potato Culture | 3(2-2) | FRW 705 | Strategy for Developing Agro – Grazing | 3(3-0) |
| Ent 705 | Advanced Insect Ecology | 3(2-2) | Hort 718 | Horticultural Seed Science | 3(2-2) | FRW 706 | Forestry, Wildlife and Recreation | 3(2-2) |
| Ent 706 | Numerical Taxonomy | 2(1-2) | Hort 719 | Special problem | 1(1-0) | FRW 707 | Forestry and Environmental Pollution | 3(2-2) |
| Ent 707 | Advanced Insect Physiology | 3(2-2) | Hort 720 | Seminar | 1(1-0) | FRW 708 | Advances in Range Vegetation Physiology and Ecology | 3(2-2) |
| Ent 708 | Microanatomy and Histology of Insects | 2(0-4) | Hort 721 | Vegetable Seed Production | 3(2-2) | FRW 709 | Range Livestock and Wildlife Ecology | 3(2-2) |
| Ent 709 | Insecticide Resistance and Its Management | 2(1-2) | Hort 722 | Solanaceous Fruits | 3(2-2) | FRW 710 | Forest, Range and Atmosphere | 3(2-2) |
| Ent 710 | Insects in Relation to Plant Diseases | 3(2-2) | Hort 723 | Mushroom Biology and Technology | 3(2-2) | FRW 711 | Role of Institutions in Agro – Forest, Range Productivity | 3(2-0) |
| Ent 711 | Insects of Man and Animals | 3(2-2) | Hort 724 | Environmental Horticulture | 3(2-2) | FRW 712 | International Forestry | 3(2-0) |
| Ent 712 | Acarology | 4(3-2) | Hort 725 | Turf Grasses | 3(2-2) | FRW 713 | Urban Wildlife | 3(2-2) |
| Ent 713 | Classification of Immature Insects | 4(2-2) | Hort 726 | Export Management in Horticulture | 3(3-0) | FRW 714 | Advances in Watershed Management | 3(2-2) |
| Ent 714 | Insect Toxicology | 3(2-2) | Plant Breeding and Genetics | | | FRW 715 | Lakes and their Management | 3(2-2) |
| Ent 715 | Insect Nutrition | 2(1-2) | PBG 701 | Principles of Plant Breeding | 4(3-2) | FRW 716 | Forest, Range Resource Evaluation | 3(2-2) |
| Ent 716 | Techniques for Testing Insecticides | 3(2-2) | PBG 702 | Hybrid Seed Production of Field Crops | 3(2-2) | FRW 719 | Special Problem | 1(1-0) |
| Ent 717 | Biological Control of Insect-Pests | 3(2-2) | PBG 703 | Breeding of Forage and Fodder Crops | 3(2-2) | FRW 720 | Seminar | 1(1-0) |
| Ent 718 | Use of Radiation & Radioisotopes in Entomology | 2(1-2) | PBG 704 | Advanced Methods in Plant Breeding | 4(2-4) | Plant Pathology | | |
| Ent 719 | Special Problem | 1(1-0) | PBG 705 | Evolution of Field Crops | 4(4-0) | PP 701 | Lower Fungi and Basidiomycetes | 3(2-2) |
| Ent 720 | Seminar | 1(1-0) | PBG 706 | Biotechnology in Crop Improvement | 3(2-2) | PP 702 | Mycology (Ascomycetes and Deuteromycetes) | 3(2-2) |
| Ent 721 | Application Equipment for Insecticides | 3(1-4) | PBG 707 | Cytogenetics of Crop Plants | 4(3-2) | PP 703 | Principles of Plant Pathology | 4(3-2) |
| Ent 722 | Advances in Pest Management Research | 2(2-0) | PBG 708 | Population Genetics | 3(3-0) | PP 704 | Physiology of Fungi & Bacteria | 3(2-2) |
| Ent 723 | Insect Cytogenetics | 2(1-2) | PBG 709 | Genetics of Plant Disease Resistance | 3(2-2) | PP 705 | Chemotherapeutants, Their Action and Application | 4(3-2) |
| Ent 724 | Insect Pathology | 3(2-2) | PBG 710 | Advanced Cytogenetics | 4(3-2) | PP 706 | Plant Disease Management | 3(2-2) |
| Ent 725 | Insect Biochemistry | 3(2-2) | PBG 711 | Quality Evaluation in Field Crops | 3(2-2) | PP 707 | Plant Nematology | 3(2-2) |
| Ent 726 | Insect Embryology | 3(2-2) | PBG 712 | Advanced Genetics | 3(3-0) | PP 708 | Phytopathology | 3(2-2) |
| Horticulture | | | PBG 713 | Biometrical Techniques in Plant Breeding | 4(2-4) | PP 709 | Plant Virology | 4(2-4) |
| Hort 701 | Rootstocks for Fruit Crops | 3(2-2) | PBG 714 | Genesis of Genesis Concepts | 3(2-2) | PP 710 | Insects in Relation to Plant Diseases | 3(2-2) |
| Hort 702 | Citriculture | 3(2-2) | PBG 715 | Mutation Breeding | 3(2-2) | PP 711 | Seed Pathology | 3(2-2) |
| Hort 703 | Advanced Fruit Production | 3(3-0) | PBG 716 | Genetics of Cereals | 4(3-2) | PP 712 | Physiological Plant Pathology | 3(2-2) |
| Hort 704 | Advanced Vegetable Production | 3(3-0) | PBG 717 | Stress Breeding of Crop Plants | 4(3-2) | PP 713 | Forest and Shade Tree Pathology | 4(2-4) |
| Hort 705 | Vegetable Breeding | 3(2-2) | PBG 718 | Genetics of Fibre Crops | 3(2-2) | PP 714 | Plant Diseases Epidemiology | 3(2-2) |
| Hort 706 | Fruit Breeding | 3(2-2) | PBG 719 | Special Problem | 1(1-0) | PP 715 | Ecology of Plant Pathogens | 3(2-2) |
| Hort 707 | Mineral Nutrition of Horticultural Plants | 3(3-0) | PBG 720 | Seminar | 1(1-0) | PP 716 | Genesis of Phytopathological Concepts | 3(2-2) |
| Hort 708 | Plant Molecular Techniques | 3(2-2) | PBG 721 | Genetics of Oil Seed Crops | 3(2-2) | PP 717 | Advanced Mycology | 3(2-2) |
| Hort 709 | Plant growth Regulators | 3(3-0) | PBG 722 | Genetic Engineering in Crop Plants | 3(2-2) | PP 718 | Advances in Plant Pathology | 4(3-2) |
| Hort 710 | Plant Tissue Culture | 3(1-4) | PBG 723 | Genetics of Sugar and Vegetable Crops | 3(2-2) | PP 719 | Special Problem | 1(1-0) |
| Hort 711 | Micropropagation | 3(1-4) | Forestry | | | | | |
| Hort 712 | Mango and Date Plant Culture | 3(2-2) | FRW 701 | Silviculture of Farm Trees | 4(3-2) | | | |
| Hort 713 | Post-harvest Physiology | 3(3-0) | FRW 702 | Commercial Forestry in Irrigated Plains | 3(2-2) | | | |
| Hort 714 | Landscape Ecology | 3(3-0) | | | | | | |

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|--------|---|--------|
| PP 720 | Seminar | 1(1-0) |
| PP 721 | Bacterial and Viral Diseases of Plants | 3(2-2) |
| PP 722 | Introduction to Mycology and Plant Pathology | 3(2-2) |
| PP 723 | Weeds and their Management | 3(2-2) |
| PP 724 | Pathogenesis and Host-Parasite Relationship | 3(2-2) |
| PP 725 | Variability and Genetics of Plant Pathogens | 3(2-2) |
| PP 726 | Breeding for Disease Resistance | 3(2-2) |

Soil Science

| | | |
|--------|--|--------|
| SS 701 | Instrumental Analysis and Analytical Techniques | 3(0-6) |
| SS 702 | Soil Chemistry | 4(3-2) |
| SS 703 | Soil Fertility and Plant Nutrition | 4(4-0) |
| SS 704 | Soil Microbiology and Biochemistry | 4(3-2) |
| SS 705 | Soil Classification | 4(3-2) |
| SS 706 | Saline, Sodic Soils and their Management | 3(3-0) |
| SS 707 | Soil Physics | 4(3-2) |
| SS 708 | Advanced Soil Chemistry | 3(3-0) |
| SS 709 | Advanced Soil Fertility | 3(3-0) |
| SS 710 | Advanced Soil Microbiology | 3(3-0) |
| SS 711 | Advanced Soil Physics | 3(3-0) |
| SS 712 | Soil Mineralogy | 3(3-0) |
| SS 713 | Soil Plant Relationships | 3(3-0) |
| SS 719 | Special Problems | 1(1-0) |
| SS 720 | Seminar | 1(1-0) |

Statistics

| | | |
|----------|-------------------------|--------|
| Stat 701 | Experimental Statistics | 3(3-0) |
|----------|-------------------------|--------|

Biochemistry

| | | |
|-------------|---------------------------------|--------|
| Biochem 700 | Introduction to Biochemistry | 3(3-0) |
|-------------|---------------------------------|--------|

Ph.D.

The research based Ph.D. Agriculture is being offered in the following subjects:

- i) Agri. Entomology
- ii) Agronomy
- iii) Forestry
- iv) Horticulture
- v) Plant Breeding & Genetics
- vi) Soil Science

The Statutes for Ph.D Agriculture are available with the University College of Agriculture.



BS 4-Year

Future Information Only



CENTRE FOR UNDERGRADUATE STUDIES (BS 4-YEAR)

Introduction:

During the recent years, rapid advancement in the field of science and technology has demanded changes in the existing curricula for degree programmes currently offered by various universities of the country. Accordingly, Centre for Undergraduate Studies (BS 4-Year Programme) was established in 2002 in accordance with the recommendations of Higher Education Commission and National Curriculum Revision Committee. This programme has been running under semester system in the disciplines of 1) Botany 2) Chemistry 3) Mathematics 4) Physics 5) Statistics 6) Zoology since September 2002. Bachelor Degree so earned by students after sixteen years of schooling will be in line with the universally accepted format of higher education and fulfills the requirements for its international recognition. After BS the students will be eligible for admission to MS programme of minimum one year duration as per international practice. Broad based curricula with emphasis on general education and integrated scheme of studies has been adopted to meet the challenges of modern society.

The BS-4 Years programme is in parallel to those of Bachelor of Medicine, Bachelor of Engineering, and Bachelor of Agriculture where top class students of intermediate class get admission after a thorough scrutiny. This programme is aimed to produce professional scientist in the said disciplines. The BS 4-Year programme is focused to develop the linkage between the local and foreign institutions encouraging long term sustainable scientific collaborations. In the long term the goal is to uplift the graduate programmes in the national educational institutions and bring them up at par with the international standard. BS 4 year programme

is absolutely a new programme introduced with a view to enabling the students to compete with the students at International level. Right now it is being run (partially) administratively by borrowing faculty members from other departments (with diversified research interest).

Knowledge of the offered major science disciplines (Botany, Chemistry, Mathematics, Physics, Statistics, Zoology) is central to academic research activities which are curiosity oriented. That is why:-

- Curiosity is a vital parameter of the centre because humans are naturally curious.
- Curiosity is useful to stimulate the development of greater understanding.
- Curiosity has two important features:
 - ✓ It produces intellectual models of how the universe works, economizing what we need to know to act wisely under diverse conditions.
 - ✓ It fosters technology which can make the activity of life more effective.
- Undergraduate Studies branches out to all sciences, Engineering and Medicine.
- Undergraduate Studies employs:
 - ✓ mathematical logic
 - ✓ deductive reasoning
 - ✓ developed intuition
 - ✓ careful observation
 - ✓ designed experimentation
 - ✓ model building
 - ✓ intellectual extrapolation
- The Undergraduate Studies major provides a core of education in several areas with sufficient flexibility aiming to higher study, research and teaching.

MISSION STATEMENT

The Undergraduate Studies Centre is committed to

- quality education.
- develop student's understanding around the world.
- create logical approach through skills and tools.
- develop confidence in their abilities.
- the persuasion of truth of knowledge and its implementation.

VISION

Maintain:

- standard of excellent teaching
- effective learning environment
- quality of applied research
- outstanding community services

GOALS AND OBJECTIVES

- Become the centre of academic excellence in the country.
- Become more student focused.
- Maintain world class curricula.
- Hire, motivate and reward dedicated faculty members.
- Develop Undergraduate Programme and increase research activities.
- Communicate and collaborate more effectively with society.
- Develop a service-oriented, responsive accountable administration.
- Develop, Maintain a Modern Department of the Campus.
- Diversify financial resources.

CORE VALUE

As a Centre of Undergraduate Studies, we value close interactions with our students.

CURRICULUM AFFAIRS

Centre for Undergraduate Studies aims to be a centre of academic excellence at the local, regional and international levels. It strives to be a modern centre that can offer the best education in the 21st century. From this prospectus the centre focuses on the students as the centre of the educational process. To reach excellence in education, the centre has started an ambitious plan for assessing the educational outcomes systematically and continuously since 2002.

- It meets all the requirements of 21st century in the area of quality Education, Research & Development.

GENERAL INFORMATION

Degree Offered:

- BS (4-Year)

Disciplines Offered:

- Botany
- Chemistry
- Mathematics
- Physics
- Statistics
- Zoology
- Detailed programme of study in each discipline is available in the prospectus for undergraduate programmes.

Extra Curricular Activities:

Besides curricula, the co-curricular activities are also indispensable for harmonizing the material environment and erudition. Such activities help in bridging the gap between academics and need to socialize the students with different aspects of society and culture. Keeping this need in mind, an organization named Peace Savers Union has been established by the students of Undergraduate Studies to encourage and provoke the creative faculty and thought process besides persuading communication

skills and confidence of the students. The objective of this organization is to enlighten the students and to make them aware of the societal milieu.

Organizing Committee:

Prof. Dr. Zahoor Ahmad Sheikh Patron in chief
Director, Undergraduate Studies.

Miss Ramna Fayyaz Advisor
Lecturer in English,
Undergraduate Studies.

Mr. Shafique Hussain Advisor
Lecturer in Computer Science,
Undergraduate Studies.

The union aims to arrange different competitions of Fine Arts, Debates, Poetry, etc. it also intends to organize Plays, Mushaira, Discussions and different cultural activities.

ADMISSION CRITERIA

ELIGIBILITY

A candidate who has passed intermediate examination with science from a Board of Intermediate and Secondary Education of Pakistan or an equivalent examination recognized by the university with one elective subject corresponding to offered major discipline chosen by the candidate, is eligible for admission to BS (4-Year) in the offered major disciplines (1st semester) provided that the candidate has secured at least 45% marks in the subject of his/her chosen major discipline as well as in the aggregate of Intermediate or equivalent examination.

COMPUTATION OF MERIT

The merit shall be determined as under:

Marks in Intermediate or equivalent examination
+ marks in the subject of Major discipline + 20
marks of Hifz-e-Quran.

DIVISION OF SEATS

Chart shows the break up of seats for admission to BS (4-Year) programme.

| | Maximum No. of Seats | Seats on Special Admission Charges | Open Merit Seats | Seats for candidates passing Intermediate Examination from the Boards of Intermediate & Secondary Education, Multan & D.G. Khan/ with Federal Board) | Foreign Students | Real son/daughter of working or Retired or Deceased Teachers of B.Z. University, Multan. | Real son/daughter of working or Retired or Deceased Employees other than Teachers of B.Z. University, Multan. | Seats for disabled candidates | Seats for Sports |
|-------------|----------------------|------------------------------------|------------------|--|------------------|--|---|-------------------------------|------------------|
| Subject | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Botany | 43 | 5 | 15 | 15 | 2 | 2 | 2 | 1 | 1 |
| Zoology | 43 | 5 | 15 | 15 | 2 | 2 | 2 | 1 | 1 |
| Chemistry | 43 | 5 | 15 | 15 | 2 | 2 | 2 | 1 | 1 |
| Mathematics | 43 | 5 | 15 | 15 | 2 | 2 | 2 | 1 | 1 |
| Statistics | 43 | 5 | 15 | 15 | 2 | 2 | 2 | 1 | 1 |
| Physics | 43 | 5 | 15 | 15 | 2 | 2 | 2 | 1 | 1 |

FACULTY

Permanent Faculty:

1. Prof. Dr. Zahoor Ahmad Sheikh
Director, Undergraduate Studies/
Professor of Physics.
2. Miss Ramna Fayyaz,
Lecturer in English.
3. Mr. Sajid Mahmood Awan
Lecturer in Pakistan Studies.
4. Miss Saima Afzal
Lecturer in Statistics.
5. Mr. Shafique Hussain
Lecturer in Computer Science.
6. Mr. Abdul Rauf (on contract)
Computer Programmer.

Visiting Faculty:

1. Prof. Dr. G. R. Pasha
Chairman, Statistics/Dean,
Faculty of Science
2. Dr. Asghar Ali
Professor of Statistics.
3. Dr. Zakria Arif
Professor of Physics
4. Dr. Tahir Abbas
Professor of Physics
5. Dr. Nazir Ahmad Mir
Professor/Director, CASPAM

6. Dr. Zahida Akram
Asstt. Prof. CASPAM
7. Dr. Nusrat Yasmin
Asstt. Prof. CASPAM.
8. Dr. Hamayun Pervaiz
Professor of Chemistry.
9. Dr. Aslam Malana
Professor of Chemistry.
10. Dr. Muhammad Arif
Professor of Chemistry.
11. Dr. Shahida Begum Niazi
Professor/Chairman Chemistry.
12. Dr. Tasawar Hussain
Assott. Prof. of Zoology.
13. Dr. Zahida Tasawar
Assott. Prof. of Zoology.
14. Mubarik Ahmad Majhoka
Expert in English, IMS.
15. Mr. Shams-ur-Rehman,
Lecturer, Islamic Studies.
16. Dr. Hasnain Naqvi
Professor/Chairman, Arabic Department
17. Mr. Abdul Shakoor Khakwani,
Asstt. Prof., IMS
18. Miss Nazia Mushtaq,
Visiting Lecturer of Sociology.
19. Miss. Nighat Haider,
Visiting Lecturer of Psychology

(PROF. DR. ZAHOOOR AHMAD SHEIKH)
Director, Undergraduate Studies.

Department of Arabic

| | |
|-----------------------|--|
| Established: | 1985 |
| Programme of Studies: | <i>Diploma, M.A., M.Phil. Ph.D.</i> |
| Enrollment: | <i>See Chart No.1 for details</i> |
| Prerequisites: | <i>B.A. with Arabic as Elective & optional Subject</i> |
| Chairman: | <i>Prof. Dr. Muhammad Hasnain Naqvi</i> |
| Students' Advisor | <i>Prof. Dr. Muhammad Sharif Sialvi</i> |

Introduction

The Department was established concurrently with the University in 1985. Dr. Muhammad Hasnain Naqvi (Ph.D Baghdad, former Assistant Professor, Wahran University, Algeria) was the founder Chairman of the Department, whereas Prof. S. M. Tahir Qadri, Dr. Muhammad Akram Chaudhry, Dr. Muhammad Sharif Sialvi and Prof. Dr. M. H. Naqvi have also remained heads of this Department. Renowned Scholars Prof. Muhammad Sibtain Naqvi, Prof. Asghar Ali Shah, Dr. Tayab Shaheen, Prof. Abdul Munim Sudani have been Associated with the Department as visiting Professors. Prof. Dr. M. Sharif Sialvi, Mrs. Izza Hassan Ibrahim (Saudi Arab National and Lt. Col. Ali Naqi Naqvi (Education Corps Pak Army) have earned their Ph.D. degree from this Department. 7 College Teachers/Scholars have also obtained their M.Phil Degree from the Department. At present 33 M.Phil Scholars are registered for the degree of M.Phil.

The Department offers two years Programme for M.A. in Arabic Language & Literature and two years Programme for M.Phil. In addition to these the Department also has the facilities for regular Doctoral Programme.

The Department has started a new Programme of Diploma in Spoken Arabic of 9 months duration from the least academic session. After every three months, certificates of Primary, Secondary and Advanced level will be awarded to successful candidates. The Programme is highly suitable for doctors, engineers, Para-medical staff, officials of civil, army and foreign offices, students of Arabic as well as skilled workers who wish to work in the Middle East.

The details of which can be had from the Chairman of the Department. Work is also underway to finalize academic linkage with

the Islamic Universities League, with its head office at Al-Azhar University, Cairo, Egypt. The Department is housed in the "Language Block" along with the Departments of Urdu, English and Islamic Studies. The Department has a very good collection of books on different Islamic Studies, Arabic Language and Literature. The degree holders of the Department have bright chances of carrying out jobs in research, teaching and interpreting in the departments of Education, Information (Radio, T.V.), and Pakistan Embassies in the Middle East as well as Arab Embassies in Pakistan.

Admission

The detail of seats for admission to M.A. Arabic Part-I class is given in Chart No.1. The break up of the merit seats for M.A. Arabic Part-I is as under:

50 Seats:

Candidates holding B.A. degree with Arabic as an elective or optional subject provided that they have secured 45% marks in the subject of Arabic.

5 Seats:

Candidates holding Fazil-e-Arabi/Fazil-e-Dars-e-Nizami degree, provided that they have passed B.A. Examination with all the required subjects or with English only.

The admission will be made by the Admission Committee of the Department, according to the admission/merit criteria announced by the Department.

Eligibility

For admission to M.A. Arabic Part-I class, eligibility will be determined in the following order of priority.

- The candidates who hold B.A. degree with Arabic as an Elective subject (carrying 200 marks) provided that they have secured 45% marks in the subject of Arabic as well as in aggregate.
- The candidates who hold B.A. degree with Arabic as an Optional subject (carrying 100 marks) provided that they have secured 45% marks in the subject of Arabic as well as in aggregate.
- The candidates who have passed Fazil Arabic/Fazil Dars-e-Nizami provided that they have passed B.A. Examination with all the required subjects or with English only, securing at least 45% marks in aggregate.

Computation of Merit

The merit will be determined as under:

- Aggregate marks of B.A. plus marks of Arabic (Elective/Optional), plus 20 marks for Hifz-e-Quran.
- Percentage of the aggregate marks of Fazil Arabic/Fazil Dars-e-Nizami and B.A. plus 5 marks plus 20 marks for Hifz-e-Quran.

Courses of Syllabus M.A.

Semester-I (Credit Hours 4)

| Course Title No. | Marks |
|---|-------|
| Ar-500 Applied Grammar (i) | 100 |
| Ar-501 Functional Arabic (i) | 100 |
| Ar-502 Modern Prose | 100 |
| Ar-503 Fiction (1): (Short Stories and Drama) | 100 |
| Ar-504 Composition & Interpretation from Urdu to Arabic. | 100 |

Semester-II (Credit Hours 4)

| Course Title No. | Marks |
|---|-------|
| Ar-505 Applied Grammar (ii) | 100 |
| Ar-506 Functional Arabic (ii) | 100 |
| Ar-507 Classical Prose | 100 |
| Ar-508 Fiction (ii) (Novels) | 100 |
| Ar-509 Composition & Interpretation from Urdu to Arabic. | 100 |

Note: Courses offered for Semester 1st and 2nd are compulsory.

Semester-III (Credit Hours 4)

| Course Title No. | Marks |
|--|-------|
| Ar-600 Composition (i): (Letters, Applications and Stories) | 100 |
| Ar-601 Modern Poetry | 100 |
| Ar-602 Islamic History | 100 |

| | |
|--|-----|
| Ar-603 Arabic Literature in the Sub-Continent (i) | 100 |
| Ar-604 Research Methodology (i) | 100 |
| Ar-605 Islamic Literature (i) | 100 |
| Ar-606 Linguistics (i) | 100 |
| Ar-607 Dissertation (i) | 100 |
| Ar-608 Arabic Literature in Spain (i) | 100 |
| Ar-609 Translation: a) Arabic to Urdu | 100 |

Semester-IV (Credit Hours 4)

| Course Title No. | Marks |
|---|-------|
| Ar-610 Composition (2): (Essay writing) | 100 |
| Ar-611 Classical Poetry | 100 |
| Ar-612 History of Arabic Literature | 100 |
| Ar-613 Arabic Literature in the Sub-Continent | 100 |
| Ar-614 Research Methodology (Editing of Manuscripts) | 100 |
| Ar-615 Islamic Literature (ii) | 100 |
| Ar-616 Linguistics (ii) | 100 |
| Ar-617 Dissertation (ii) | 100 |
| Ar-618 Arabic Literature in Spain (ii) | 100 |
| Ar-619 Translation: (Urdu to Arabic) | 100 |

- Note:** 1) First three courses of Semester 3rd and 4th are compulsory.
2) Students have to opt two courses out of the rest courses No. 603-609 in the 3rd Semester, Likewise in Semester 4th they have to opt two courses out of the rest courses No. 613-619.
3) Students who opt Dissertation are required to opt courses No. 604 and 614: (Research Methodology and Editing of manuscripts).
4) Only those students can opt Dissertation who secure 60% marks in 1st and 2nd Semester.

(Details of the Courses is available in the Booklet of Syllabus provided by the University.

Admission (M.Phil)

Eligibility for Admission to M.Phil

See the prescribed admission rules for M.Phil.

Courses of Syllabus of M.Phil

Part-I Semester-I

| Course Title No. | Marks |
|---|-------|
| Ar-700 Research Methodology (i) | 100 |
| Ar-701 Contemporary Arabic Language (i) | 100 |
| Ar-702 History of Arabic Literature | 100 |
| Ar-703 Criticism | 100 |
| Ar-704 Arabic Literature in the Sub-Continent (i) | 100 |
| Ar-705 Any Foreign Language English/ French/German/Persian/ Turkish (i) | 100 |

Part-I Semester-II

| | |
|--|-----|
| Ar-706 Research Methodology (ii) (Editing of manuscripts & Primary Sources of Arabic Literature) | 100 |
| Ar-707 Contemporary Arabic Language (ii) | 100 |
| Ar-708 Philology | 100 |
| Ar-709 Rhetoric | 100 |
| Ar-710 Arabic Literature in the Sub-Continent (ii) | 100 |
| Ar-711 Any Foreign Language: English/ French/German/Persian/ Turkish. (ii) | 100 |

Note: First three courses are compulsory in each semester. Students are requested to opt any one of the courses No.703 to 705 in the 1st semester and likewise any one out of the courses No.709 to 711 in the 2nd semester.

Part-II

The students are required to prepare a thesis carrying 200 marks provided the student has passed the course work of the both semesters.

Admission (Diploma in Spoken Arabic)

Seats in Diploma 80

Eligibility

Matric and above.

Computation of Merit:

Higher qualifications holders will be preferred.

Courses of Syllabus

I–Basic Arabic Course

- 1- Conversation & composition
- 2- Reading Skill
- 3- Grammar
- 4- Arabic for daily life

II–Arabic Middle Course

- 1- Religious Literature (Quranic Verses/Ahadiths)
- 2- Conversation & composition
- 3- Applied Grammar (Syntax)
- 4- Arabic for daily life

III–Advanced Arabic Course

- 1- Religious Literature (Quranic Verses/Ahadiths)
- 2- Applied Grammar (Morphology)
- 3- Translation (English/Arabic/English)
- 4- Arabic for daily life.

At the completion of all three courses the students will be awarded “Diploma in Spoken Arabic”.

Professional Training Courses

The Department has planned to introduce various training courses as following:

1. 4-Weeks Training Course & Workshop for the teachers teaching Arabic in the affiliated colleges of B.Z. University.
2. 6-Months Arabic Teachers Training Course (ATTC) for the teachers, teaching Arabic in the schools of Multan Region.

Admission (Ph.D)

See the Prescribed admission rules for M.Phil & Ph.D.

Admission Committee

| | |
|----------------------------------|-----------|
| Prof. Dr. Muhammad Hasnain Naqvi | Chairman |
| Prof. Dr. Muhammad Sharif Sialvi | Member |
| Dr. Muhammad Shafqat Ullah | Secretary |

Department of English

| | |
|-----------------------|---|
| Established: | 1975 |
| Programme of Studies: | <ul style="list-style-type: none"> • <i>B.A. Joint Honours in Literature & Linguistics (4-Years)</i> • <i>M.A. in English Language & Literature</i> • <i>M.Sc. in Applied Linguistics</i> • <i>M.Phil. in Linguistics</i> • <i>Ph.D</i> • <i>Diploma in ELT</i> • <i>Advanced Diploma in Literature</i> • <i>Study Skills in English</i> • <i>English for Lawyers</i> • <i>TOEFL/IELTS preparatory course</i> • <i>Spoken English</i> • <i>CSS/PCS preparatory course</i> |
| Enrollment: | <i>Morning</i> <i>Evening</i> |
| | <i>See Chart No.1 for details</i> <i>See Chart No.1 for details</i> |
| Prerequisites: | <i>B.A./B.Sc.</i> |
| Chairman: | <i>Prof. Dr. Zafar Iqbal</i> |
| Students' Advisor | <i>Aleem Shakir</i> |

Introduction

The department of English at the Bahauddin Zakariya University, Multan, was set up in 1975 when this University came into existence. It started working in a rented building at Gulgashat Colony, Multan. In 1980, it was moved to the Institute of Languages (IOL) Block on Campus of the University. The Department offers a wide range of activities in language, literature and linguistics.

The Master's degree programme is predominantly a literature-based course with some components of modern linguistics. M.Sc. in Applied Linguistics, is, assuredly, a new programme of studies which prepares candidates for an effective teaching at all levels of teaching English as a second/foreign language. Diploma in ELT is also aimed at improving the linguistic and pedagogical competence of those who have already earned Master's Degree in English Literature.

The Department has started M.Phil. Programme in Linguistics so that

the aspiring candidates may be able to do Doctoral research for which M.Phil. is a necessary condition. This programme is meant for rigorous training in the field of linguistics. Candidates for Ph.D. programme have already been registered. Information regarding M.Phil./Ph.D. programme may be obtained from Chairman of the Department. Advanced diploma in literature is meant for the students who have already earned their Master's degree and want to update their knowledge and want to acquaint themselves with recent developments in the field of literature and critical theory.

Spoken English programme is aimed at improving the communicative competence of students. The department also offers tailor-made courses to cater for the needs of people belonging to different professions and institutions. In order to help the university students to cope with the problems which they face while studying their respective subjects in English, the Department of English has introduced a Study Skills in English course which will not only give them training in study skills but will also be helpful in improving their proficiency in English Language. Other short courses include IELTS/TOEFL and CSS/PCS preparatory courses.

Research Profile of Teachers

Dr. Zafar Iqbal's main interest lies in the area of dictionary making for non-native speakers of English. He has written papers on several aspects of lexicology, lexicography, and applied linguistics. Five doctoral researches are already in progress under his supervision in the field of ESP, language varieties, contrastive analysis, and lexicology.

Dr. Shirin Zubair's current interests include literacy and gender in multilingual communities, social uses of literacy as well as issues related to gender and power. She has published research papers on various aspects of ELT, sociolinguistics, and literacy use.

Dr. Farida Yousaf is interested in comparative study of literature. She has written extensively on various comparative aspects of Urdu and English Literature. American Literature is another field of her specialization.

Dr. Mobina Talat has published several papers on Pakistani English. Her other research interests include research methodology in non-native English language varieties, stylistics, reading skill in second language and language pedagogy.

Mrs. Saiqa Imtiaz Asif has worked in the area of Siraiki Phonetics and Phonology. Her other research interests include ELT, ESP, teacher education and professional development. She has published several research papers related to these topics.

Mr. Naveed is currently involved in research in the field of legal English and genre analysis. He is also interested in teaching English as a foreign language with particular reference to Pakistan. He has published a number of research papers in the field of applied linguistics.

Mrs. Qamar Khushi Ijaz's current research interests include ESP with particular reference to English for army personnel. She is also interested in teacher education.

Mr. Aleem Shakir is currently involved in advance research in the field of English for Occupational Purposes (EOP). His major focus is on the communicative needs of the hotel industry staff in Pakistan. He has already carried out research on 'Fore grounded Irregularities in E.E. Cummings's Poetry'. Many research projects on various aspects of Applied Linguistics are in progress under his supervision. He has published one research paper on EOP. He is also interested in English for Business purposes (EBP).

Research Facilities

The department now has the distinction of having the largest number of linguists and prominent researchers at one place in the BZU, making this institution unique in the country and also an ideal place for promoting research in linguistics.

There is a library in the department with a modest stock of 5000 books on linguistics and applied linguistics. It is meant to cater for research activities at higher academic levels. It should be mentioned that the main stock of books on English language and literature is available in the central library

situated some yards away from the department.

A Reference Collection Cell/archives unit has been established to make relevant material readily available to research students.

The department also offers the facilities of computers, multimedia projector, digital video camera, TV, tape recorders, video cassette players, overhead projector for data collection and analysis.

Admission

The detail of seats for admission to M.A. classes in the Morning session and in the Evening session are given in Chart No.1. The break up of merit seats is as under.

| | |
|--|----|
| Morning: | |
| B.A./B.Sc. with at least 45% marks in English Literature | 20 |
| B.A./B.Sc. with at least 45% marks in English Language | 20 |
| Evening: | |
| B.A./B.Sc. with at least 45% marks in English Literature | 25 |
| B.A./B.Sc. with at least 45% marks in English Language | 25 |

M.Sc. in Applied Linguistics:

| | |
|--|----|
| B.A./B.Sc. with at least 45% marks in English Language | 40 |
| English Literature | |

Eligibility

The candidates who have passed B.A./B.Sc. Examination, securing at least 45% marks in aggregate as well as in English Language/English Literature, are eligible for admission to M.A. English/M.Sc. in Applied Linguistics.

Computation of Merit

The merit will be determined as under:

Aggregate marks of B.A./B.Sc., plus marks of English Literature/English Language plus 20 marks for Hifz-e-Quran.

Admission to M.A./M.Sc. classes will be made by the following Department Admission Committee, according to the admission rules/merit criteria laid down by the Department.

Departmental Admission Committee

| | |
|--------------------|--------------------|
| Dr. Zafar Iqbal | Chairman |
| Dr. Farida Yousaf | Member |
| Dr.. Mobina Talaat | Member & Secretary |

Outline of Syllabus M.A. English

Semester-I

| | |
|---------|------------------------------|
| ENG-571 | Study Skills |
| ENG-572 | Literary Forms and Movements |
| ENG-573 | Poetry-I |
| ENG-574 | Novel-I |
| ENG-575 | Linguistics-I |
| ENG-576 | Advanced English Grammar |

Semester-II

| | |
|---------|-------------------------------|
| ENG-577 | Drama-I |
| ENG-578 | Novel-II |
| ENG-579 | Advanced English Grammar |
| ENG-580 | History of Literary Criticism |
| ENG-581 | Linguistics-II |
| ENG-582 | Short Story |

Semester-III

| | |
|---------|----------------------------|
| ENG-621 | Communication Skills |
| ENG-622 | Poetry-III (Modern Poetry) |
| ENG-623 | Drama-II |
| ENG-624 | Novel-III (Modern Novel) |
| ENG-625 | Phonetics |
| ENG-626 | Stylistics |

Semester-IV

| | |
|---------|---|
| ENG-627 | Research Methodology |
| ENG-628 | American Literature |
| ENG-629 | Modern Approaches to Literary Criticism |
| ENG-630 | Drama-III (Modern Drama) |
| ENG-631 | Prose |
| ENG-632 | TEFL |

- Note:** 1- All the courses will be of 3 credit hours and will carry 100 marks each.
- 2- Students with good GPA can be offered dissertation in lieu of ENG 631 and ENG 632.

Thesis/Dissertation/Research Report

In lieu of courses 631 and 632, a student may opt for Thesis/Dissertation/Research Report worth 200 marks, in consultation with the Department. Only those students may be allowed to opt for Thesis/Dissertation/Research Report whose C.G.P.A. is at least 3.5.

Outline of Syllabus M.Sc in Applied Linguistics

Semester-I (Credit Hours 3)

| Paper No. | Title | Marks |
|-----------|--|-------|
| ENG-551 | Study Skills | 100 |
| ENG-552 | Fundamentals of Language and Linguistics | 100 |
| ENG-553 | Language Skills-I (Reading, Listening) | 100 |
| ENG-554 | Language Learning Theories, Methods and Approaches; Error Analysis | 100 |
| ENG-555 | Language in Social Context | 100 |
| ENG-566 | Introduction to Literary Studies | 100 |

Semester-II (Credit Hours 3)

| | | |
|---------|--|-----|
| ENG-556 | Semantics and Teaching of Vocabulary | 100 |
| ENG-557 | Teaching of Phonology | 100 |
| ENG-558 | Language Skills-II (Writing, Speaking) | 100 |
| ENG-559 | Grammar-I (Description of English Grammar) | 100 |
| ENG-560 | Practicum in Language Teaching | 100 |
| ENG-567 | Poetry | |

Semester-III (Credit Hours 3)

| | | |
|---------|---------------------------------------|-----|
| ENG-601 | Testing and Evaluation | 100 |
| ENG-602 | Syllabus Designing and Implementation | 100 |
| ENG-603 | Grammar-II (Pedagogical Grammar) | 100 |
| ENG-604 | Stylistics-I | 100 |
| ENG-605 | Research Methodology | 100 |
| ENG-616 | Drama | |

Semester-IV (Credit Hours 3)

| | | |
|---------|--|-----|
| ENG-606 | Stylistics - II | 100 |
| ENG-607 | ESP (English for Specific Purposes) | 100 |
| ENG-608 | Micro-Teaching | 100 |
| ENG-609 | CALL (Computer Assisted Language Learning) | 100 |
| ENG-610 | Applied Translation Studies | 100 |
| ENG-617 | Novel | |

- Note:** 1- In lieu of courses 609 and 610, a student may opt for Thesis/ Dissertation worth 200 marks in consultation with the Department. Only those students may be allowed to opt for Thesis/ Dissertation whose C.G.P.A. is at least 3.5.
- 2- Each course shall be of 100 marks and shall carry 3 credit hours weightage.

Outline of Syllabus**Post M.A. Diploma in ELT****Semester-I**

| | | |
|---------|--|-----|
| ENG-551 | Study Skills | 100 |
| ENG-552 | Fundamentals of Language and Linguistics | 100 |
| ENG-553 | Language Skills-I (Reading, Listening) | 100 |
| ENG-554 | Language Learning Theories, Error Analysis, Methods and Approaches | 100 |
| ENG-555 | Language in Social Context (ALL COMPULSORY) | 100 |

Semester-II

| | | |
|---------|---|-----|
| ENG-556 | Semantics and Teaching of Vocabulary | 100 |
| ENG-557 | Teaching of Phonology | 100 |
| ENG-558 | Language Skills-II (Writing, Speaking) | 100 |
| ENG-559 | Grammar-I (Description of English Grammar) | 100 |
| ENG-560 | Practicum in Language Teaching (Classroom Management, Lesson Planning, Materials Development & Adaptation + Using Technologies etc.) (ALL COMPUSLORY) | 100 |

M.Phil (Linguistics)

Co-ordinator M.Phil Programme:
Dr. Mobina Talaat

Course Outline**First Year****Semester-I**

| Course No. | Subjects | Credit Hours |
|------------|-------------------------|--------------|
| ENG-751 | General Linguistics | 3 |
| ENG-752 | Descriptive Linguistics | 3 |
| ENG-753 | Applied Linguistics-I | 3 |
| ENG-754 | Phonetics & Phonology | 3 |

Semester-II

| | | |
|---------|--|---|
| ENG-761 | Sociolinguistics | 3 |
| ENG-762 | Applied Linguistics-II | 3 |
| ENG-763 | Approaches to Text and Discourse Analysis | 3 |
| ENG-764 | Research Methodology | 3 |

Note: Each course shall carry 100 marks:

- a- 20% shall be reserved for sessional assessment: class test, quizzes, assignments, term papers etc
- b- 80% marks for course work examinations:

| | |
|---------------|----------|
| Midterm Exam. | 30 Marks |
| Final Exam. | 50 Marks |

Second Year: A student who has successfully completed the first two semesters will opt for thesis of 200 marks, in consultation with the department

Semester-III

- Weekly consultation with the supervisor(s)
- Fortnightly presentations on research projects

Note: Participation in all the presentations and consultation sessions is compulsory.

Semester-IV

Writing up research under the supervision of respective supervisors.

Department of Islamic Studies

| | |
|-----------------------|-----------------------------------|
| Established: | 1982 |
| Programme of Studies: | <i>M.A.; M.Phil.; Ph.D.</i> |
| Enrollment: | <i>See Chart No.1 for details</i> |
| Prerequisites: | <i>B.A. with Islamic Studies</i> |
| Chairman: | <i>Prof. Dr. Noor-ud-Din Jami</i> |
| Students' Advisor | <i>Ghulam Shams-ur-Rahman</i> |

Introduction

The classes of M.A. Islamic Studies were started in 1982 under the administrative control of the Institute of Islamic Studies and Arabic, keeping in view the need for scholars of Islamic Education who could analyse modern sciences i.e. Economics, Philosophy, Political Science and Sociology in the light of the teachings of Islam and be able to present scientifically and effectively the truth of the revolutionary teachings of Islam in every field of life. It is the need of the time that scholars be produced who are experts of Islamic Education with an exposure to modern, scientific, technological and social developments. Such scholars will be able to help in keeping a balance between modern demands and eternal and collective principles of Islam.

The Institute was bifurcated by the University in two separate Departments i.e. Islamic Studies and Arabic in August 1996. The Department has tailored a two years programme of M.A. Islamic Studies. In Addition to master's programme, the Department also has the facilities for M.Phil. and Doctoral programmes.

The Department at present, is housed in the "Languages Block" alongwith the Department of English, Arabic and Urdu. The Department has a very good collection of books on different aspects of Islamic Education. Efforts are being made to strengthen the teaching/research capabilities of the Department in view of its unique position all over the country. The degree holders of the Department have bright chances of performing their duties in legislation, research, learning and teaching.

Admission (M.A. Classes)

The detail of seats for admission to M.A. Islamic Studies Part-I class is given in Chart No.1.

The admission will be made by the Admission Committee of the Department according to the admission/merit criteria announced by the Department.

Departmental Admission Committee

| | |
|----------------------------|-----------|
| Prof. Dr. Noor-ud-Din Jami | Chairman |
| Prof. Dr. Saeed-ur-Rahman | Member |
| Muhammad Idrees Lodhi | Member |
| Dr. Abdul Quddus Sohaib | Member |
| Mahmood Sultan Khokhar | Secretary |

Eligibility

Candidates holding the degree of B.A. with Islamic Studies as elective subject are eligible to apply for admission to M.A. Islamic Studies Part-I, if they have secured 45% marks in aggregate as well as in the elective subject of Islamic Studies.

Note: The candidates who fail to recite/read the Holy Quran (Nazira) will not be considered eligible for admission.

Computation of Merit

The following order of priority will be observed for admission to Part-I of M.A. Islamic Studies.

Candidates who have passed B.A. Examination with elective subject of Islamic Studies in Ist or 2nd class. The following procedure will be observed for determining the merit of the candidates holding the degree of B.A. for admission to M.A. Part-I Islamic Studies.

Total marks secured in B.A., plus marks secured in Islamic Studies (elective) plus 10 marks for Arabic (elective), plus 20 marks for Hifz-e-Quran.

Outline of Syllabus M.A. Programme

Courses of Reading

Semester-I

| Code No. | Subject | Marks |
|----------|--|-------|
| IS-501 | Principles of Tafseer and History of Tafseer | 100 |
| IS-502 | Principles of Hadith and History of Hadith | 100 |
| IS-503 | Arabic Language and Literature (i) | 100 |
| IS-504 | Study of Seerat-ul-Nabi (PBUH) | 100 |
| IS-505 | Comparative Study of Religions (i) | 100 |
| IS-506 | Ilme-Tajweed (i) | 100 |

Semester-II

| | | |
|--------|--------------------------------------|-----|
| IS-507 | Literature of Al-Quran (i) | 100 |
| IS-508 | Literature of Al-Hadith | 100 |
| IS-509 | Arabic Language and Literature (ii) | 100 |
| IS-510 | Research and Methodology of Research | 100 |
| IS-511 | Comparative Study of Religions (ii) | 100 |
| IS-512 | Ilme-Tajweed (ii) | 100 |

Semester-III

| | | |
|--------|---|-----|
| IS-601 | Literature of Al-Quran (ii) (Compulsory) | 100 |
| IS-602 | Islamic Jurisprudence and History of Fiqh (Compulsory) | 100 |
| IS-603 | Islam and Modern Economic Thoughts | 100 |
| IS-604 | Political and Social Thoughts of Islam | 100 |
| IS-605 | Modern Muslim World (18 th to 19 th Century) | 100 |
| IS-606 | Art of Seerah Writing | 100 |
| IS-607 | The History of Islamic Civilization (from Umayyad age to fall of Baghdad) | 100 |

IS-608 Computer Application 100

Note: A student will choose three elective subjects.

Semester-IV

| | | |
|--------|---|-----|
| IS-609 | Tafseeri Literature (Compulsory) | 100 |
| IS-610 | Study of Fiqh (Compulsory) | 100 |
| IS-611 | Thesis (Compulsory) | 100 |
| IS-612 | Modern Economic Problems and their solution | 100 |
| IS-613 | Modern Islamic World (20 th Century to Contemporary age) | 100 |
| IS-614 | Islamic Concepts of Training | 100 |
| IS-615 | Ihsan-o-Tasawuf (Mysticism) | 100 |
| IS-616 | Principles of Islamic Preaching and Guidance | 100 |
| IS-617 | Islam and Science | 100 |
| IS-618 | Ilm-ul-Kalam and Philosophy | 100 |

Note: A student will choose two elective subjects.

M.Phil. Programme

Courses of Reading

Semester-I (12 Credit Hours)

| Code No. | Subject | Marks |
|----------|---|-------|
| IS-701 | Principles of Research and Editing (Compulsory) | 100 |
| IS-702 | Research in Islamic studies (Compulsory) | 100 |
| IS-703 | Art of Seerah Writing | 100 |
| IS-704 | Sources of Islamic Studies | 100 |
| IS-705 | Study of Religious Literature | 100 |

Note: A student will choose two elective subjects.

Semester-II (12 Credit Hours)

| | | |
|--------|---|-----|
| IS-706 | Islam and Orientalism Research (Compulsory) | 100 |
|--------|---|-----|

| | | |
|--------|---|-----|
| IS-707 | Ijtihadi Research in contemporary age | 100 |
| IS-708 | A Study of Trends of Islamic Thought in Sub-Continent | 100 |
| IS-709 | Application of Shariah in Pakistan | 100 |
| IS-710 | The Evolution of Islamic Studies in Sub-Continent | 100 |
| IS-711 | A Study of Allama Iqbal's Islamic Thoughts | 100 |
| IS-712 | Research Work on Islamic Studies in Pakistan | 100 |

Note: A student will chose three elective subjects.

Semester-III

| | | |
|--------|------------------------|-----|
| IS-801 | Introduction of Thesis | 100 |
| IS-802 | Work Shop on Thesis | 100 |

Semester-IV

| | | |
|--------|-------------------|-----|
| IS-803 | Seminar on Thesis | |
| IS-804 | Thesis Evaluation | 100 |

Ph.D. Programme

M.Phil Scholars seeking admission in Ph.D may apply for the registration by submitting suitable and comprehensive synopsis after consultation with the department.

Department of Urdu

| | |
|-----------------------|--|
| Established: | 1975 |
| Programme of Studies: | M.A.; M.Phil.; Ph.D. |
| Enrollment: | M.A. (See Chart No.1 for details) |
| Prerequisites: | B.A./B.Sc. with IInd Division |
| Chairperson: | Dr. Rubina Tareen |
| Students' Advisor | (M.A.) Dr. Mrs. Aqila Bashir Dr. Muhammad Mumtaz Khan (M.Phil) Dr. Muhammad Sajid Khan |

Introduction

The Department was established concurrently with the University in 1975, when post-graduate classes of M.A.Urdu in Government College, Bosan Road, Multan were shifted to the University. The University Department thus not only inherited the class but also the bright tradition of the parent Department. Syed Iftikhar Hussain Shah was the founder Chairman of the Department, whereas Prof. Dr. Kh. Muhammad Zakariya, Prof. Dr. A. B. Ashraf, Prof. Dr. Anwaar Ahmad, Professor Dr. Najeeb Jamal and Prof. Dr. Abdul Rauf Sheikh have also remained heads of this Department. Renowned scholars, Prof. Khalil Siddiqui, Dr. Shamim Haider Trimizi, Dr. Farooq Usman and Dr. Naimat-ul-Haq have been associated with the Department as Visiting Professors. Ten teachers of this Department namely Prof. Dr.A.B.Ashraf, (Now working as vice Principal Pakistan Embassy college, Ankara, Turkey) Prof.Dr.Anwaar Ahmad (Dean, Faculty of Islamic Studies & Languages), Prof. Dr. Abdul Rauf Sheikh, Dr.Rubina Tareen, Dr. Najeebuddin Jamal (Now Professor and Dean of Arts in Islamia University Bahawalpur), Dr. Syed Alamdar Hussain Bokhari (University of Sargodha on deputation), Dr. Mrs. Aqila Bashir, Dr. Muhammad Sajid Khan, Dr.Qazi Abdul Rehman Abid and Dr.Muhammad Mumtaz Khan, have earned their Ph.D. degrees from this University. So, Thirty three college teachers/scholars have obtained their Ph.D. degrees from this University. At present 20 Ph.D. scholars are registered for the degree of Ph.D. Department of Urdu is the only department of this university whose whole faculty members hold Ph.D. Degree.

The Department offers facilities for M.A., M.Phil and Ph.D. programmes. Regular M.Phil Programme was started from the academic session 1992-93. Till last year twenty five students have obtained M.Phil Degree. Details regarding M.Phil and Ph.D. Programmes may be obtained from the office of the Department.

The students of this Department are serving as College and University teachers in Pakistan talents of several is being utilized in media. Three of its prominent students, Dr.Asiam Adeeb, Dr.Farooq Mashhadi and Dr.Saleem Haidrani have earned Quid-e-Azam Scholarship and obtained Ph.D. degrees from U.K.

Research Profile of the Teachers:

Prof. Dr. Anwaar Ahmad is a well known and distinguished scholar. He is working in this Department from the last 28 years. He has been attached with Ankara University, Turkey as Urdu Scholar for four years from November 1995 to August 1999. He has published eight books (*Khawaja Farid kay Teen Rung, Urdu Afsana-Tehqiq-o-Tanqeed, Tehreek-e-Azadi mein Allama Iqbal ka kirdar, Yakja, Aik he kahani, Manto ki Bees Kahaniyan, Bedi ki Pandra Kahaniyan, Prame Chand ki Bees kahanian, Kh. Moeen-ud-din kay Dramay*). These books show his interest in various fields of research and criticism but his main research work is in the field of Fiction and Criticism. His research in Urdu Short Story has encyclopedic standards and has been appreciated in the literary circles of sub-continent. His more than fifty research and critical articles have been published in National and International Journals. He has also won the best teacher award of U.G.C. (H.E.C.) in the field of Humanities for the year 2000. His 11 research students obtained Ph.D. degree.

Dr. Rubina Tareen's main field of interest is the study of literature in the perspective of Sufism but she is well acquainted with the new trends in literature and research. She has published seven books namely (*Izhar-e-Khayal, Multan ki Adabi-o-Tehzibi Zindagi mein Sufia-e-karam ka Hisa, Tehseen-e-Sher, Khawaja Ghulam Farid Shakhshiyat aur Fun, Islahat-e-Tassavvuf, Laila kay Khatoot, Tahqeeqi-wa-tanqidi kutab ka Isharia*). Her research has been admired widely. She also has published her research articles in National and International Journals. She is also Staff Editor of University Magazine "*Chanderaab*". She has won the best Teacher award (humanities) for the year 2002 by H.E.C. Her 7 research students obtained Ph.D. degree.

Dr. Abdul Rauf Sheikh's main area of study and research is Criticism of Prose and Poetry. He has published six books namely *"Armughan-e-Haq, Syed Abid Ali Abid Shakhshiyat –o-Fun, Iqbal Shanas aur Abid, Maqalat-e-Sir Syed, Intiqadi Mubahis, and Nepal mein Urdu Shaire"*. He also got published more than 20 valuable research articles in reputable journals. His 6 research students obtained Ph.D. degree.

Dr. Alamdar Hussain Bukhari is a scholar whose areas of interest are Fiction and Criticism. He has obtained his Ph.D. degree on *"Urdu Short Story of Ghulam Abbas"*. He has published more than twenty articles in various important journals.

Main focus of Dr. Aqila Bashir's research is Fiction and Feminism. The Topic her Ph.D Thesis is *"The Reflection of women folk in Urdu novel"*. She has compiled & published two books namely: *"Bagmat kay ansoo, 'urdu nasar kay asaleeb"*.

Dr. Muhammad Sajid Khan is keenly interested in Classical Poetry. He has completed his Ph.D. on editing *"Kuliyat-e-Ghazliat-e-Meer Taqi Meer"*. He has compiled a book namely *"Intakhabe-e-Ghazal"*.

Dr. Qazi Abdul Rehman Abid's main areas of research are Fiction, Criticism and Mythology. He has published two books: *Urdu kay Numainda Classici Ghazal, Urdu Afsana aur Usateer*. He has published more than twenty five articles in well reputed National and International Journals. He is the Deputy Staff Editor of University Magazine *"Chandraab"*.

Dr. Mumtaz Khan Kaliani has published two books *"Payee-Khoob Tar Nigaray, Intikhab-e-Ghazal"*. He also got published 3 research articles. He is a Deputy Editor of Faculty Research Journal. His title of the Ph.D. thesis is *"Nigar ke Adbi Rewayat-o-Khidmat ka tahqiqi-o-Tanqeedi Jaiza"*

Ms. Shazia Ambreen has published more than eight research articles. She is arranging her Ph.D. dissertation on the topic *"Maulvi Abdul Haq ki Tadveeni Khidmat"*. Her M.Phil thesis has been published under the title *"Multan mein Jadeed Urdu Nazam Ki Rewayat"*.

Research Facilities:

1. The Department has a Research Library namely *"Professor Khalil Siddiqui Research and Seminar Library"* in which there are more than 10,000 rare and precious books and Journals.
2. A reference collection namely *"Gosha-e-Rashid Ahmad Siddiqui"* in main Library has been established only for the researchers.
3. In the Library of Faculty of Islamic Studies & Languages, more than 12000 books are available on Urdu Language and Literature. These books can help the research students to meet their needs.
4. The Department is connected with National and International Libraries through Internet.
5. There is a computer Lab with 20 systems in I.O.L. building with the service of a Teacher of Computer Science department Mr. Shahid Fareed.

Brief Introduction of M.A. Program:

Admission:

The detail of seats available in M.A.Urdu Part-I class is given in Chart No.01. Admission will be made by the Departmental Admission Committee according to the admission/merit criteria laid down by the Department.

| | |
|----------------------------|------------------|
| Prof. Dr. Rubina Tareen | Chairperson |
| Prof. Dr. Anwaar Ahmad | Member |
| Prof. Dr. Abdul Rauf Sh. | Member |
| Dr. Qazi Abdul Rahman Abid | Member/Secretary |

Eligibility and Merit:

The candidates who have passed B.A./B.Sc Examination securing at least 45% marks in aggregate are eligible for admission to M.A.Urdu Part-I class.

The candidates who have studied Urdu Elective/Urdu Optional will be given weightage of 40% marks of the obtained marks in aggregate.

Syllabus:

1. From session 2003-2004 the department has offered semester system. The main outline of Syllabi is as under:

Out line of Syllabus:

Semester-I

| Code No. | Title of Paper | Marks |
|----------|---|-------|
| UD-101-C | Classical Poetry (Ghazal, Qasida) | 100 |
| UD-102-C | Fiction (Dastan, Novel, Short story) | 100 |
| UD-103-C | Styles of Urdu Prose (Ghalib to Qazi Abdul Ghafar) | 100 |
| UD-104-C | History of Urdu Language & Literature (Linguistics and literary trends till 18 th century) | 100 |
| UD-105-C | Criticism (Principles and Practical criticism) | 100 |

Semester-II

| | | |
|----------|--|-----|
| UD-201-C | Classical Poetry (Masnavi, Marsiya, Shehr Ashoub, Nazam) | 100 |
|----------|--|-----|

| | | |
|----------|--|-----|
| UD-202-C | Fiction (Novel, Drama, Short story) | 100 |
| UD-203-C | Styles of Urdu Pros | 100 |
| UD-204-C | History of Language and Literature (19 th and 20 th century) | 100 |
| UD-205-C | Criticism (Western & Urdu Critics) | 100 |

Semester-III

| | | |
|----------|--|-----|
| UD-301-C | Special Study of Iqbal | 100 |
| UD-302-C | Modern Poetry (Ghazal and Nazam) | 100 |
| UD-303-C | Modern Prose (Autobiography, Travelogue, Humour) | 100 |

Optional: (any two of the following)

| | | |
|----------|---|-----|
| UD-304-O | Principles of Research & Editing | 100 |
| UD-305-O | Linguistics | 100 |
| UD-306-O | Creative Prose (Principles and practices) | 100 |
| UD-307-O | Asnaf-e-Adab Ka Irtiqa | 100 |

Semester-III

| | | |
|----------|------------------------|-----|
| UD-401-C | Special Study of Iqbal | 100 |
| UD-402-C | Computer Literacy | 100 |

Optional: (any three of the following)

| | | |
|----------|---|-----|
| UD-403-O | Teaching of Urdu | 100 |
| UD-404-O | Urdu Journalism | 100 |
| UD-405-O | Translation (Art and Tradition) | 100 |
| UD-406-O | Sociological Study of Modern Literature | 100 |
| UD-407-O | Tradition of Urdu Literature and Poetry in Multan | 100 |
| UD-408-O | Urdu Literary Magazines (History and Tradition) | 100 |

Thesis/Dissertation/Research Report:

After 3rd semester In lieu of two Elective papers a student may opt for thesis/dissertation/research report of 200 marks in consultation with the department. The department will offer thesis/dissertation/research report to limited number of students

according to available research facilities in the department. Only those students will be allowed to opt for thesis/dissertation/research report who won pass Part-I examination securing at least 55% marks. The break-up of marks will be as under:

| | |
|--|-----|
| Thesis: | 150 |
| Paper (Principles of Research and Editing) | 50 |

Breif Introduction of M.Phil Program:**Admission:**

The detail of seats admission to M.Phil Urdu Ist year class is given in *Appendix-I*. Admission to Ist year class will be made by the Departmental Admission Committee according to the admission/merit criteria laid down by the University/Department.

Departmental Admission Committee:

| | |
|-----------------------------|------------------|
| Prof. Dr. Rubina Tareen | Chairperson |
| Prof. Dr. Anwar Ahmad | Member |
| Prof. Dr. Abdul Rauf Sheikh | Secretary/Member |

Eligibility and Merit:

See the prescribed admission rules for M.Phil.

Out Line of Syllabus

The duration of the course will be two years, there will be three compulsory and two optional papers in each semester comprising 500 marks. After the completion of course work in two semester (32 credit hours) successful candidates will write a dissertation comprising 200 marks.

1st Semester

Course No. Title

| | |
|----------|--|
| UD 501-C | Principles of Research & Editing |
| UD 502-C | Principles & Tools for Criticism |
| UD 503-C | Linguistics & History of Urdu Literature |

Optional (any one of the following) The study of Different literary form with sociological Background.

| | |
|----------|-----------------------|
| UD 504-O | Classical Urdu Ghazal |
| UD 505-O | Modern Urdu Ghazal |
| UD 506-O | Modern Urdu Nazam |
| UD-507-O | Urdu Novel |
| UD-508-O | Urdu Short Story |

2nd Semester

| | |
|----------|---|
| UD 601-C | Practical & Applied Research |
| UD 602-C | Practical Criticism & Applied Translation |
| UD 603-C | Computer & Internet as a Research tool Optional |

Optional (only one will be opted)

| | |
|----------|--|
| UD 604-O | Tradition of study of Iqbal in Urdu |
| UD 605-O | Linguistics |
| UD 606-O | Feminism in Urdu Literature |
| UD 607-O | Urdu Literary Journals: (Nigar, Naqoosh, Funoon, Adb-e-Latif, Auraq, Sheefa) |
| UD 608-O | Tradition of Urdu Saheefa Research in Pakistani Universities |
| UD 609-O | The Tradition of enlightenment in Urdu Literature: (Special study: Sir Syed Ahmad Khan, Niaz Fatehpuri, Sibte-e-Hassan, Dr. Mubarak Ali) |
| UD 610-O | Tradition of Urdu Literature in Multan |

Institute of Management Sciences

| | |
|--------------------------|---|
| Established: | 1977 |
| Director: | <i>Prof. Dr. Muhammad Zafarullah</i> |
| Programmes of Studies: | <i>BBA (Hons.), BBA (IT) (Hons.) B.A. Fine Arts, B.A. Designing, MBA, MBA (IT), MBA (Exec.) MBA (Banking) M.Sc. Applied Psychology M.Phil. Applied Psychology M.Sc. Sociology, M.Phil. Sociology, M.A. Philosophy PGD in Clinical Psychology Ph.D. In Business Administration</i> |
| Prerequisites: | |
| Master Programmes | <i>B.A/B.Sc./B.Com/ Professional Qualification</i> |
| Undergraduate Programmes | <i>Intermediate</i> |
| Enrollment: | <i>See the Chart No.1 for detail</i> |
| Students' Advisor: | <i>Morning: Mr. M. Nauman Abbasi Evening: Mr. M. Hassan Bucha</i> |
| Advisor Female Students: | <i>Mrs. Ruhma Khan</i> |
| Co-ordinator: | |
| M.Sc. Applied Psychology | <i>Mr. Khalid Saeed</i> |
| M.Sc. Sociology | <i>Mr. Imtiaz Werrarch</i> |
| M.A. Fine Arts | <i>Mr. Zulfiqar Ali Bhatti</i> |

Introduction

To develop and provide professionally trained managers, Bahauddin Zakariya University, Multan established the Department of Business Administration in December, 1977 and classes for the first batch started on March 15, 1978. The Department has recently attained the status of an Institute and named as Institute of Management Sciences. It is now one of the largest business school of the country with well over 800 students and a permanent faculty of 16 teachers with a large complex of buildings providing all possible facilities at one place. These, together with the congenial environment offered by a very attractive University Campus, set in unspoiled countryside, will make most memorable stay at the Campus.

The goal of the Institute is to prepare students for a successful management career. Since its inception, the Institute has endeavoured

to give its students an education that enables them to face any challenge in their professional life. Uptill now, more than 1000 students have graduated from the Institute who occupy middle and senior management positions in the hierarchy of national and multinational organizations.

Mission

The Institute has mission to impart quality education to the students to prepare them to take management position for providing leadership in the complex world of business & industry. Our courses are offered with first rate facilities, designed to serve the needs of professional people.

The courses being offered at the Institute of Management Sciences are founded upon the conviction that complex management problems are best tackled using a coherent system approach. Study systems in relations to their environments, combine the perspectives of different disciplines, and are concerned with the resolution of real world problems.

Our aims are:

- To introduce the most upto-date systems, theories and methods of decision making in Management.
- To provide an appreciation of the complementary nature of different systems.
- To enable students to make choices and decisions using systems approaches.
- To develop an awareness of the wider impacts of those choices and decisions in the real life situation.

Computer Education

The Institute is first to offer computer education in whole of Southern Punjab. In 1984, a Certificate Course in Computer Applications was offered for the working people in the evening. This course was well received which led to its upgradation to an advanced Post-Graduate Diploma (PGD) in Computer Programming and Systems Analysis. This programme was later on upgraded to a full-fledged MBA (MIS) degree programme. Uptill now, 7 batches of MBA (MIS) students have completed their degree requirements. The MBA (MIS) programme has been restructured to fulfil the needs of the market in the area of IT and introduced as MBA (IT) Programme from the session 2000. A BBA (IT) Hons. programme has also been introduced since last year.

Faculty of the Institute

The permanent faculty of the Institute consist of 20 teachers out of which three teachers have Ph.D. degrees from reputed Universities. The teachers are highly committed and motivated. Three teachers from the faculty of the Institute have gone abroad for higher education.

The Institute also has a large adjunct faculty, consisting of senior teachers of other departments as well as experienced executives from business and industry.

Facilities

The Institute has incomparable facilities in terms of class rooms, library and computer labs. Its complex consists of large number of well equipped class rooms, with latest furniture and audio-visual system. Multi Media System facility is also provided to demonstrate the lectures. A VCR system and a video library containing seminars delivered by experts on various topics are available in the Business Information Centre.

Executive Centre

Executive Centre has been established in the Institute which provide state of the art facilities to the students. It contains a spacious lecture theatre, a students lounge, kitchen, conference rooms and a "Business Information Centre", equipped with latest means of information technology and a large reference library. There are more than 8000 books, journals and periodicals relating to various business topics available in the Business Information Centre and Central Library.

Computer Labs.

The Institute has modern computer labs. upgraded with latest breed of computers. A new IT lab. has been established providing facility of 26 Pentium-3 Computers. One more computer lab. has recently been established consisting of Pentium-4

computers. All the computers in the Institute are connected through a networking system. To ensure their maximum exposure to the use of computing techniques in business all the students have ready and easy access to computers.

Institute's Bus Service

The Institute has its own bus which plies between the campus and the city. The bus provides pick and drop facility to the students throughout the day.

Journal of Business Management

The Institute has launched an academic journal named "Journal of Business Management" which publishes research papers on issues of business, management & Industry.

Executive Club/Executive Forum

Executive Club and Executive Forum are also functioning which represent the students of the Institute. These student's bodies conduct various functions and seminars in the Institute and provide opportunities to their community to participate in academic and co-curricular activities and contribute through their creative ideas.

Alumni

Zakarian Business Graduates Alumni is functioning to look after the interests of the Graduates passing out from the Institute and work for the promotion of their alma matters. The Alumni has more than 600 members who elect an Executive Council and office bearers, every two years. A number of activities like conferences, seminars and social get togethers are held at the forum. The Alumni also actively participate for the placement of the graduates and make efforts for the financial assistance of the students.

Institute's Admission Committee

Admissions to all the Programmes will be made by the Institute's Admission Committee, according to the admission/merit criteria laid down by the Institute.

| | |
|---------------------------------|-----------|
| Dr. Muhammad Zafarullah | Chairman |
| Dr. Mujahid Ali | Member |
| Mr. Muhammad Shaukat Malik | Member |
| Mr. Abdul Shakoor Khan Khakwani | Member |
| Mr. Muhammad Hassan Bucha | Secretary |

Academic Calendar 2004-2005

Fall Semester 2004

| | |
|-----------------------|---|
| Commences: | 15 th August |
| Mid-Term Examination: | 11 th to 16 th Oct. |
| Final Examination: | 13 th to 18 th Dec. |
| Result: | 27 th December |

Spring Semester 2005

| | |
|-----------------------|---------------------------|
| Commences: | 1 st January |
| Mid-Term Examination: | 28 th February |
| Final Examination: | 2 nd May |
| Result: | 15 th May |

Summer Vacation 2005

15th May to 14th August

Summer Semester 2005

| | |
|-----------------------|-----------------------|
| Commences: | 1 st June |
| Mid-Term Examination: | 30 th June |
| Final Examination: | 30 th July |

Prep Semester

Fresh students are admitted in Prep Semester of 6-8 weeks.

MBA after BBA(Hons.) Programme

This programme consists of 2 semesters

First Semester

| Course No. | Course Name | Credit Hrs. |
|------------|-------------------------|-------------|
| 505 | NGO Management | 3 |
| 601 | Operations Management | 3 |
| 506 | Supply Chain Management | 3 |
| 625 | Comparative Management | 3 |
| | Elective | 3 |

Second Semester

| Course No. | Course Name | Credit Hrs. |
|------------|--------------------------|-------------|
| 650 | Managerial Policy | 3 |
| 525 | Total Quality Management | 3 |
| 531 | Managerial Economics | 3 |
| 653 | International Business | 3 |
| | Elective | 3 |

MBA(IT) after BBA-IT (Hons.) Programme

This programme consists of 2 semesters

First Semester

| Course No. | Course Name | Credit Hrs. |
|------------|--------------------------------|-------------|
| 531 | Managerial Economics | 3 |
| 625 | Comparative Management | 3 |
| 506 | Supply Chain Management | 3 |
| 507 | Enterprise Resource Planning | 3 |
| 508 | Data Warehousing & Data Mining | 3 |

Second Semester

| Course No. | Course Name | Credit Hrs. |
|------------|---------------------------|-------------|
| 650 | Managerial Policy | 3 |
| 525 | Total Quality Management | 3 |
| 509 | Contemporary Issues in IT | 3 |
| 510 | Wireless Applications | 3 |
| 511 | Project | 3 |

Institute of Management Sciences Postgraduate Programmes

Introducing MBA Programme

The MBA Programme offers a broad based knowledge in a number of business areas and prepares the students for versatile management careers. The full-time MBA programme requires two years or four semesters of study in residence. During this period five courses (each of three credit hours) are offered in each semester. The first two semesters are utilized to build management foundation broad enough to accommodate any field of specialization a student may wish to pursue later. At the end of the second semester, all students are required to undergo an eight-week Internship during the summer vacation. Specialization options are offered in the 3rd and 4th semesters. In course work and special projects assigned by the faculty, the emphasis is on the use of computer as a management tool.

The courses offered in the MBA programme intend to create and build new skills in the areas of Business, Organization and Information Technology by integrating a sound theoretical understanding of these areas with case studies, practical and project work.

MBA (Marketing)

This specialisation offers students the opportunity to develop their skills, understanding and knowledge of the Marketing function both in terms of overall business policy and as a specialist field of activity. Particular attention is given to the Management of Promotion, Export Marketing and International Business and to the inter-relation between Marketing and Corporate Strategy.

MBA (Finance)

The objective of this specialisation is to enhance the professional finance education of the students by relating their finance expertise to the wider issues of strategic planning and modern corporate finance. Given the importance of multi-national companies in the world economy, the option seeks to give students a thorough understanding of the role of international finance in strategic planning in the modern corporation. Different courses offered under this degree are designed to help students gain some understanding of how organizations effectively utilise their financial resources for achieving organizational goals.

Degree Requirements

The following are the essential requirements for the degree of M.B.A.

- i. Successful completion of 20 MBA courses individually, each course carrying at least three credit hours.
- ii. Maintaining a minimum cumulative grade point average of 2.0. in all semesters and attaining a minimum CGPA of 2.2 at the end of fourth semester
- iii. Completion of 6-8 weeks internship in an industrial/business/commercial organization.
- iv. Passing comprehensive examination on completion of course work.

Eligibility

For admission to MBA class, the candidate is required to have at least 45% Marks in B.A./B.Sc./B.Com./ Professional Examination.

Computation of Merit for MBA Programme

Merit will be determined on the basis of 50 percent weightage to be given to admission test marks and 50 percent weightage to marks obtained in B.A./B.Sc./B.Com./ Professional Examination including 20 marks of Hifz-e-Quran.

Break-up of Merit Seats

The details of merit seats for admission to MBA programme given in the Chart No.1 The break-up of 40 merit seats is as under:

| | | |
|---|----------------------|-----------|
| a. | B.A./B.Sc./B.Com | 36 |
| b. | Professional degrees | 04 |
| | Total | 40 |
| Total Special Admission Charges Seats | | 20 |
| University's Teacher Son/ Daughter Seats | | 02 |
| University's employee's Son/ Daughter Seats | | 02 |
| | G. Total | 64 |

Special Admission Charges Seats

The candidates applying against Special Admission Charges seats in MBA and MBA (IT) programmes are required to attach a bank draft of Rs. 1,50,000/- with the application in favour of Treasurer, Bahauddin Zakariya University, Multan. If the Institute receives applications more than the number of seats of Special Admission Charges, then it will be decided on merit from amongst the applicants. The merit will be computed in the same manner as provided in the above para.

Outlines of Syllabus (MBA)

The programme of MBA is run under the semester system of examination. The following curriculum has been tailored for the degree.

First Year

The first year programme comprising prep and two semesters includes the following courses:

Prep Semester

The students will have to undergo a prep semester of six weeks prior to taking up regular course work. In the prep semester the students will be oriented with Fundamental of Accounting, Business Stat./Math and Computer Concepts to prepare them for the advance level courses. The prep semester will be particularly helpful for the student who do not have any background in Accounting and Math/Stat.

Outline of Courses

| First Semester | Credit Hours |
|---------------------------------------|--------------|
| 500 Principles of Management | 3 |
| 501 Business Mathematics & Statistics | 3 |
| 502 Financial Accounting | 3 |
| 503 Computer Application in Business | 3 |
| 504 Marketing Management | 3 |

| Second Semester | Credit Hours |
|----------------------------------|--------------|
| 550 Economic Analysis | 3 |
| 551 Business Communication | 3 |
| 552 Human Resource Management | 3 |
| 553 Financial Management | 3 |
| 554 Methods of Business Research | 3 |
| 560 Internship | Non Credit |

The students will have to undertake 6-8 weeks internship in an industrial/commercial organization, after the second semester.

Second Year

During the second year, a student takes a total of ten courses out of which four being in the opted field of specialization.

| Third Semester | Credit Hours |
|--------------------------------------|--------------|
| 600 Economic Environment of Business | 3 |
| 601 Operations Management | 3 |
| 602 Managerial Accounting | 3 |
| Elective-I | 3 |
| Elective-II | 3 |

Two courses are to be opted from a field of specialization in the 3rd semester.

| Fourth Semester | Credit Hours |
|-----------------------------|--------------|
| 650 Managerial Policy | 3 |
| 652 Organizational Behavior | 3 |
| 632 International Business | 3 |
| Elective-I | 3 |
| Elective-II | 3 |

Two courses are to be opted from same field of specializations as in the 3rd semester.

Areas of Specializations

(a) Finance

- 610 Investment Management
- 611 Financial Institutions
- 612 Auditing
- 620 Analysis of Financial Statements
- 660 Small Business Finance
- 661 International Finance
- 676 Seminar in Finance
- 668 Corporate Finance
- 700 Dissertation

(b) Marketing

- 630 Price Management
- 631 Distribution Analysis
- 634 Selling Skills
- 653 Export Marketing
- 681 Promotion Management
- 683 Sales Management
- 684 Industrial Marketing
- 685 Market Research
- 619 Internet Application & E-Commerce
- 700 Dissertation

(c) Management

- 640 Management of Non-Profit Organization
- 641 Hotel Management
- 642 Small Business Management
- 643 Advance Management
- 690 Comparative Management
- 691 International Management
- 692 Seminar in Management

(d) System Management

- 645 Management Science-I
- 646 Business Forecasting
- 647 Software Based Decision System
- 648 Operation Research
- 649 Computer Programming
- 695 Management Science-II
- 696 System Analysis & Design
- 697 Seminar in Decision Science
- 698 Data Base Management
- 699 Information System Management
- 700 Dissertation

(e) Agri Business

- 625 Agricultural Marketing
- 626 Agricultural Finance
- 627 Farm Management
- 670 Agricultural Price Analysis
- 671 Agriculture Support Business
- 672 Seminar in Agri-Business

(f) Small Business Management

- 653 Concepts & Practices in Small Business Management
- 654 Marketing in Small Business
- 655 Seminars in Small Business Management
- 656 Supply Management in Small Business
- 700 Dissertation

The MBA (IT) Programme

The Institute of Management Sciences has been pioneer in introducing computer programming courses in this region. The first computer certificate course was introduced in 1984, which was later on upgraded to MBA (MIS) degree programme. The same programme was later on re-structured and introduced as MBA (IT). The primary objective of the programme is to promote the development of hybrid managers. Hybrid managers are people with strong technical skills and adequate business knowledge or vice versa. They are people with technical skills and are able to work in the user areas doing line or functional jobs, but adept at developing and supplementing information technology application. The MBA (IT) students will be given a package having a blend of courses in Management, Data Bases, System Designing, Data Communication and Computer Programming. The students will also be required to do practical work in a business organization to develop a system in real life situation in addition to 6-8 weeks internship programme.

Degree Requirement

These are the essential requirements for the degree of MBA(IT)

1. Successful completion of 20 courses individually carrying 3 credit hours each.
2. Maintaining a minimum grade point average of 2.0 in all the semesters and securing a minimum CGPA of 2.20 on completion of the programme.
3. Completion of 6-8 weeks internship in an industrial/business/commercial organization.
4. Completion of the system project carrying 3 credit hours.
5. Passing comprehensive examination on completion of course work.

Eligibility

1. The applicants must be at least graduate (bachelor's in any field) with a minimum of 45% marks in B.A/B.Sc./B.Com/ Professional Exam from a recognized University to be eligible for admission in the MBA(IT) programme.
2. The maximum age limit is 26 year.

Computation of merit for MBA(IT) Programme

Merit will be determined on the basis of 50% weightage to be given to admission test marks, 50% weightage to be given to the marks obtained in the B.A/B.Sc./B.Com/ Professional exam including 20 marks for Hifz-e-Quran.

Break up of Seats

| | |
|------------------------------------|-----------|
| Merit seats for B.A/B.Sc./B.Com | 30 |
| Professional Degree | 04 |
| Special admission charges seats | 20 |
| University Teacher's Son/Daughter | 02 |
| University Employee's Son/Daughter | 02 |
| Total: | 58 |

First Year

The first year programme comprising prep and two semesters includes the following courses:

Prep Semester

The students will have to undergo a prep semester of six weeks prior to taking up regular course work. In the prep semester the students will be oriented with Financial Accounting, Computer Programming and Computer Concepts to prepare them for the advance level courses. The prep semester will be particularly helpful for the student who do not have any background in Accounting and Computer.

Outline of Courses

First Semester

| | | Credit Hours |
|-----|--------------------------------------|--------------|
| 500 | Principles of Management | 3 |
| 502 | Financial Accounting | 3 |
| 603 | Introduction to Computer Programming | 3 |
| 604 | Introduction to Computing | 3 |
| 551 | Business Communication | 3 |

Second Semester

| | | |
|-----|------------------------------------|---|
| 501 | Business Math. & Stat. | 3 |
| 503 | Economic Analysis | 3 |
| 504 | Marketing Management | 3 |
| 605 | System Analysis & Design using UML | 3 |
| 606 | Database Management System | 3 |

Third Semester

| | | |
|-----|---------------------------------------|-----------------|
| 553 | Financial Management | 3 |
| 554 | Business Research Methods | 3 |
| 607 | Object Oriented Programming using C++ | 3 |
| 608 | Computer Networks | 3 |
| 601 | Operations Management | 3 |
| 530 | Internship | Qualifying only |

Fourth Semester

| | | |
|-----|------------------------------------|---|
| 525 | Total Quality Management | 3 |
| 609 | Front-End Development Using JAVA | 3 |
| 600 | Human Resource Management | 3 |
| 610 | E-Commerce and Website Development | 3 |
| 650 | Managerial Policy | 3 |
| 611 | System Project | 3 |

MBA (Banking) Programme

Introduction

The programme is being offered in collaboration of Institute of Bankers who will provide their regular input into the programme and will facilitate the placement of the graduates in the Banking Industries. This programme has been designed to impart focused professional education in the field of banking. The participants of this programme will have an in-depth understanding of the core banking functions and allied subjects critical for executive development. This is a self-financed four semester-based degree offered in the morning/evening and week-ends.

MBA(Banking) programme requires two years or four semesters of study in residence. During this period five courses (each of three credit hours) are offered in each semester. At the end of the second semester, all students are required to undergo an eight-week Internship during the summer vacations.

Eligibility

For admission to MBA (Banking) class, the candidate is required to have at least 45% Marks in B.A./B.Sc./B.Com./ Professional Examination.

The upper age limit for a candidate on the last date fixed for receipt of application of admission is 26 years. In case of bank employee age will be 40 years.

Computation of Merit

Merit for admission in MBA (Banking) programme will be determined on the following basis:

| | |
|---|-----|
| Admission Test: | 50% |
| Marks obtained in B.A./B.Sc./B.Com/ Professional Examination, including 20 marks for Hafiz-i-Quran. | 50% |

Break up of Seats

| | |
|---|----|
| Merit seats for B.A/B.Sc./B.Com & Professional etc. | 28 |
| Bank Employee | 08 |

(To be eligible for the seat of Bank employee, the candidate should have served for minimum of 3 years in a scheduled Bank).

| | |
|------------------------------------|----|
| University Teacher's Son/Daughter | 02 |
| University Employee's Son/Daughter | 02 |

| | |
|---------------|-----------|
| Total: | 40 |
|---------------|-----------|

Note: Rs. 200/- as entry test fee will be charged at the time of submission of application.

Prep Semester

The students will have to undergo a prep semester of six weeks prior to taking up regular course work. The prep semester will be particularly helpful for the students.

Course Description

The programme shall consist of 20 courses, internship with credit hours shown against each course. To earn the MBA (Banking) degree, an internship of 6-8 weeks will have to be completed to the satisfaction of the Institute.

The internship will be arranged by Institute of Bankers in different scheduled Banks.

Outline of Courses

First Semester Credit Hours

| | | |
|---|-------------------------------------|---|
| 1 | Busines Communication | 3 |
| 2 | Information Technology in Banks | 3 |
| 3 | Principles of Management | 3 |
| 4 | Accounting for Business Enterprises | 3 |
| 5 | Marketing of Financial Services | 3 |

Second Semester Credit Hours

| | | |
|---|---------------------------------------|---|
| 1 | Economics | 3 |
| 2 | Banking Law & Practice | 3 |
| 3 | Agricultural & Small Business Finance | 3 |
| 4 | Human Resource Management | 3 |
| 5 | Investment and Portfolio Management | 3 |

Third Semester Credit Hours

| | | |
|---|----------------------|---|
| 1 | Commercial Law | 3 |
| 2 | Financial Management | 3 |
| 3 | Islamic Banking | 3 |
| 4 | Credit Management | 3 |
| 5 | Monetary Economics | 3 |

Fourth Semester Credit Hours

| | | |
|---|---|---|
| 1 | Accounting for Finance Institution | 3 |
| 2 | International Trade Finance and Foreign Exhchange | 3 |
| 3 | Central Banking | 3 |
| 4 | Project Planning & Evaluation | 3 |
| 5 | Strategic Management in Banks | 3 |

MBA (Executive) Programme

The Institute started a degree programme called MBA (Executive) for the working people in 1996. This Programme provides an ideal opportunity to the working people who are having some practical experience, to upgrade their knowledge and qualification. Senior executives of different organizations participate in this programme and undergo a new experience of learning.

Though the MBA (Executive) is designed for two years but a student who cannot take full load has option to take minimum of two courses in a semester and complete the whole programme in four years instead of two years.

Certificate Course

Students can also register for a single course being offered as a part of Executive Programme. The Criterion of eligibility will be same as in Executive Programme except that there will be no admission test for the applicants of certificate course. The candidates who will successfully complete the course will be issued certificate of passing the course. The candidates for certificate course will pay admission fee, registration fee and course fee. The maximum number of seats for the certificate course will be determined by the Institute.

Degree Requirements

The following are the essential requirements for the degree of MBA (Executive)

- Successful completion of 20 MBA (Executive) courses individually, each course carrying at least three credit hours.
- Maintaining a minimum cumulative grade point average of 2.0. in all semesters and attaining a minimum CGPA of 2.2 at the end of fourth semester
- Completion of 6-8 weeks internship in an

industrial/business/commercial organization.

- Passing comprehensive examination on completion of course work.

Eligibility

For admission to MBA (Executive) class, the candidate is required to have at least 45% Marks in B.A./B.Sc./B.Com./ Professional Examination.

The upper age limit for a candidate on the last date fixed for receipt of application of admission is 50 year.

Computation of Merit

Merit for admission in MBA (Executive) programme will be determined on the following basis:

| | |
|---|-------------|
| Aptitude Test: | 30% |
| Marks obtained in B.A./B.Sc./B.Com/ Professional Examination, including 20 marks for Hafiz-i-Quran. | 50% |
| Post graduate working experience in Govt. or Semi-Govt. Organization or Public Enterprise or in a Private Limited firm. | 20% |
| Maximum of 20 percent points will be given on the basis of 2 percent points per year. | |
| Total: | 100% |

Break-up of Seats

The break-up of merit seats and detail of reserve seats for admission to MBA (Executive) programme is given as under:

| | |
|------------------------------------|-----------|
| Merit Seats: | 40 |
| University Teacher's Son/Daughter | 02 |
| University Employee's Son/Daughter | 02 |
| University Teacher/Employee Seat | 01 |
| Total: | 45 |

Note: Rs. 200/- as entry test fee will be charged at the time of submission of application.

Course Description

The programme shall consists of 20 courses, internship with credit hours shown against each course. To earn the MBA (Executive) degree, an internship of 6-8 weeks will have to be completed to the satisfaction of the Institute.

However the students who have a minimum of three year experience of working in business or industrial concerns will be exempted from the requirement of Internship.

Outline of Courses

| First Semester | Credit Hours |
|------------------------------|--------------|
| 500 Principles of Management | 3 |
| 501 Business Math. & Stat. | 3 |
| 502 Financial Accounting | 3 |
| 503 Economic Analysis | 3 |
| 504 Marketing Management | 3 |

Second Semester

| | |
|--------------------------------------|-----------------|
| 550 Computer Application in Business | 3 |
| 551 Business Communication | 3 |
| 552 Economic Environment of Business | 3 |
| 553 Financial Management | 3 |
| 554 Business Research Methods | 3 |
| 560 Internship | Qualifying Only |

Third Semester

| | |
|-------------------------------|---|
| 600 Human Resource Management | 3 |
| 602 Managerial Accounting | 3 |
| 610 Investment Management | 3 |
| 631 Distribution Management | 3 |
| 632 International Business | 3 |

Fourth Semester

| | |
|------------------------------------|---|
| 650 Managerial Policy | 3 |
| 652 Organizational Behaviour | 3 |
| 653 Business & Labor Laws | 3 |
| 673 Banking & Insurance | 3 |
| 686 Advertising & Sales Management | 3 |

Note: Admissions for MBA (Executive) programme are announced in Nov. / Dec. each year.

Ph.D. Programme in Business Administration

Introduction

The graduate / post graduate degree programmes are offered in almost all the public universities in addition to many private chartered degree awarding institutions. Where as very few qualified teachers are teaching in public universities and some larger private sector institutions like LUMS. There is dire need for establishment of indigenous research and development facilities to enhance the qualification of existing faculty resources in Pakistan. The Institute of Management Science, Bahauddin Zakariya University has a repute of providing quality education in Business Administration since last more than 25 years and passed out MBA's from this institute are serving at the middle and top management positions in Pakistan and abroad with good image.

Some of institutions like IBA, Karachi and LUMS have launched Ph.D. Programme recently. IMS has a pride as a pioneer institution awarding of Ph.D. in Business Administration to three candidates in 2001 and another four candidates are working on their Ph.D. projects. With change in policy of Ph.D. programme in Bahauddin Zakariya University and encouragement of HEC and Ministry of Education in funding of research and conducting of Ph.D. programme and awarding of scholarship to Ph.D. students, it is decided that a regular Ph.D. programme with 32 credit hour course work be instituted keeping in view the strength of resource persons availability.

All statutes, rules and regulations approved and prevailed in the Bahauddin Zakariya University for Ph.D. degree will be applicable to Ph.D. in Business Administration.

Statutes:

- 1- The Ph.D. programme shall consist of 24 credits of core and specialization courses.
- 2- Thesis Credits: In addition to the course work, all doctoral students must complete thesis of 60 credit hours to the satisfaction of the GEC.
- 3- Qualifying Exams: The students will have to pass written and oral qualifying exams on completion of course work.
- 4- Public Defense: of the thesis. The candidates will have to defend their thesis in public in the presence of the local GEC members and members of Examination Committee approved by Advanced Study and Research Board.
- 5- The candidate must have a minimum of 2nd division, or grade C in the following degree programmes / professional examinations to become eligible for enrollment in the Ph.D. programme.
 - MBA/MPA/MBA-IT/equivalent degree.
 - ACA/ACMA/equivalent professional qualification.
 - Master in Social Sciences with at least 2 years professional experience in business management within a reputable national or international organization.
 - Master in Engineering or Medical Sciences with at least 2 years professional experience with a reputable national or international organization.
 - Master degree in Law with at least 2 years experience with a reputable national or international organization.

Regulations:

- a) The Ph.D. programme shall consist of 8 courses with three credit hours each.
- b) The Ph.D. students shall take full-time course load, in residence, during their first year.
- c) All students are required to take five core

- courses. In addition to core courses, a student will have to complete three courses from his area of specialization.
- d) The students will have to complete the course work in one year (two semesters). However, the students who have to repeat course(s) shall be required to complete it within one additional year (two semesters).

Computation of Merit

Merit shall be determined as per following formula:

| | |
|------------------------|------------|
| Academic Qualification | 40 |
| Admission Test | 50 |
| Publications | 10 |
| Total | 100 |

- i) For academic qualifications, every first, second and, third division shall carry 10, 5 and 0 points/marks respectively.
- ii) For professional Agri., the credit of divisions for Matric and Intermediate shall be same while 20 marks/points shall be specified for Professional Examinations, i.e. 2½ marks for 50% marks and 5 marks for 60% marks (65% marks in case of semester system) in each Professional Examinations.
- iii) Each publication, in a recognized journal, shall be awarded 5 marks upto a maximum of 10 marks.
- iv) Selected candidates shall get themselves registered as per rules of the University.

Semester-I

Advances in Social and Behavioral Sciences
Contemporary Issues in Economics
Advanced Research Methodology

One course from area of specialization

Semester-II

Multivariate Analysis
Developments in Management Thoughts

Two courses from the area of specialization.

Courses of Specialization

In addition to five core courses, the candidates will be required to complete three advanced courses (9 credit hours) as per advice of the advisor and approved by the IMS Ph.D. committee. The conduct of these advanced courses will require the satisfactory delivery of at least one public seminar per course as per approved schedule of the advisor.

Following are the courses of specialization.

I- Marketing

- 1- International Marketing
- 2- Advanced topics in consumer Behaviour
- 3- Behavioral Factors in Pricing
- 4- Products Management
- 5- Marketing Strategy
- 6- Promotion Strategies
- 7- Current Issues in Marketing
- 8- Topics in Brand Management

2- Finance

- 1- International Finance
- 2- Investment Portfolio Management
- 3- Banking and Credit Markets
- 4- Risk Management and Insurance
- 5- Research Topics in Finance
- 6- Topics in Finance Instruments and Markets
- 7- Topics in Capital budgeting
- 8- Corporate Finance
- 9- Current Issuers in Finance

3- Management

- 1- Human Resource Management
- 2- Cases in Small Business & Entrepreneurship
- 3- Seminar in Entrepreneurship
- 4- Topics in Quality Management
- 5- Supply Chain Management
- 6- Technology Management
- 7- Knowledge Management
- 8- Current Issues in Management

Pre-Requisite Courses for non MBA Students:

Non MBA students are required to complete 30 credit hours course work of first two semesters of MBA Programme. The candidate will be required to complete these courses with at least a "B" grade before registering for the core courses of Ph.D. Programme.

M.Sc. Sociology

There has been tremendous demand for starting classes in M.Sc. Sociology as this facility was not available in this whole region. So the Institute of Management Sciences, with the approval of University authorities decided to introduce this programme. A package of latest courses has been developed which will equip the students with the modern techniques and concepts in the field of M.Sc. Sociology. This Programme is running under semester system and classes are held in the evening in the premises of the Institute.

Degree Requirement

These are the essential requirements for the degree of M.Sc. Sociology:

1. The M.Sc. Sociology will be two year and two months programme.
2. Successful completion of 18 courses individually carrying 3 credit hours each and writing of thesis of 6 credit hours.
3. Securing a minimum CGPA of 2.20 for completion of the programme.
4. Completion of 6-8 weeks internship.
5. Passing comprehensive examination on completion of course work.

Eligibility

1. The applicants must be at least graduate (Bachelor's in any field), with minimum second division from a recognized University.
2. The maximum age limit is 26 year.

Computation of merit

Admission to M.Sc. Sociology will be granted to the applicant on the basis of marks obtained in B.A./B.Sc./B.Com. or equivalent Examination including 20 marks for Hifz-e-Quran plus 20 marks will be given to those applicants who have passed the subject of Sociology in graduation as elective course of 200 marks.

Break up of Seats

| | |
|--|----|
| B.A./B.Sc./B.Com/Professional Degree or Equivalent | 40 |
| Special Admission Charges Seats | 10 |
| University Teacher's Son/Daughter | 02 |
| University Employee's Son/Daughter | 02 |
| Total: | 54 |

First Year

The first year programme comprising prep and two semesters includes the following courses:

Prep Semester

The students will have to undergo a prep semester of six weeks of following courses prior to taking up regular course work. The prep semester will be particularly helpful for the students who do not have any background in Sociology discipline.

1. English
2. Research Methodology
3. Essentials of Sociology

Outline of Courses

| First Semester | Credit Hours |
|---|--------------|
| MS-500 Principles of Sociology | 3 |
| MS-501 Development of Sociological Theory | 3 |
| MS-502 Methods of Social Research | 3 |
| MS-503 Social Statistics | 3 |
| MS-504 Application of Computer in Sociology | 3 |
| MS-505 English Language | 3 |

Second Semester

| | |
|-----------------------------------|---|
| MS-550 Cultural Anthropology | 3 |
| MS-551 Contemporary Social Theory | 3 |
| MS-552 Populations Dynamics | 3 |
| MS-553 Sociology of Gender Issues | 3 |
| MS-554 Sociology of Deviance | 3 |

Third Semester

| | | |
|---|----|---|
| MS-600 (Opt-I) Industrial Theory | OR | 3 |
| MS-601 (Opt-II) Organizational Behavior & Human Resource Management | | 3 |
| MS-602 (Opt-I) Community Development | OR | 3 |
| MS-603 (Opt-II) Sociology of Religion | | 3 |
| MS-604 Sociology of Development | | 3 |
| MS-605 Sociology of Education | | 3 |
| MS-606- Sociology of Health & Medicine | | 3 |

Fourth Semester

| | | |
|--------|-----------------------------|---|
| MS-650 | Social Psychology | 3 |
| MS-651 | Sociology of Social Work | 3 |
| MS-652 | (Opt-I) Criminology OR | 3 |
| MS-653 | (Opt-II) Rural Sociology OR | 3 |
| MS-654 | (Opt-III) Urban Sociology | 3 |
| MS-680 | Thesis | 6 |
| MS-681 | Internship | 3 |

M.Phil in Sociology

Introduction

The development and progress of any country is always related to the development of institution of education. Throughout the history of Pakistan this very institution of education established its strength through universities.

Bahauddin Zakariya University, Multan has always contributed the development, organization and progress of education and human resources in Pakistan. Realizing the responsibility of playing its role in the sphere of Higher Education in Pakistan, Bahauddin Zakariya University has decided to provide the facility of M.Phil in Sociology. This program will be the first to provide an opportunity to the students of Southern Punjab to get higher education in sociology. Keeping in view the advancement in various disciplines of social sciences and the quality of education provided in the best universities of the world, Bahauddin Zakariya University, Multan has structured this M.Phil Sociology program as a combination of research and course work.

Our main objectives are as under: -

- Develop high quality professionals and behavioral scientists that are committed to pursuit of excellence, and are endowed with vision, courage and dedication.
- Improve academic standard in this region through the generation, assimilation, and dissemination of knowledge.
- Make a significant and meaning-full contribution towards the social and economic betterment of Pakistan through development of these human resources.
- To prepare people of this area to serve as intellectual resource base in this region.

Statutes

- **Eligibility:** The students who have completed M.Sc Sociology will be eligible to get admission in M.Phil in Sociology.
- The M.Phil in Sociology Program is of two semesters.
- The M.Phil in Sociology is of 10 courses in two semester (14 credit hours in first semester and 17 credit hours in second semester) with credit hours as shown against each course with a thesis of 36 credit hours and internship of 3 credit hours.
- A student on completion of M.Phil in Sociology with minimum 3.0 C.G.P.A. will be awarded Degree of M.Phil in Sociology.

Time Period

The time limit for the use of credit towards M.Phil in Sociology shall be twenty-four months from the beginning of the earliest course counted towards the M.Phil degree. A student repeating the course(s) shall be required to complete the course(s) within a maximum period of one year.

Time Schedule

- Each semester shall be a four and half month's duration four months for teaching, one week for the conduct of examination, and one week for the preparation of results.
- The dates for starting of each semester shall be as may be prescribed by the University.

Degree Requirements

These are the essential requirements for the M.Phil in Sociology.

- The M.Phil in Sociology will be a twenty four months program.
- Successful completion of II courses individually carrying 3 credit hours each and with 36 credit hours thesis.

- Securing a minimum CGPA of 3.0 for completion of the program.
- Completion of 6-8 weeks internship in an industrial/ business/ commercial/ mental health institution/ career path counseling and guidance center/ hospitals and organizations.
- Passing comprehensive examination on completion of course work.

| | | |
|---------------------------|---|----|
| Open Merit Seats | = | 15 |
| Special Admission Charges | = | 05 |

Course Outline M.Phil Sociology Session: 2004-2006

First Semester

| Course No. | Title | Credit Hours |
|------------|---|--------------|
| SOC-500 | Sociological Paradigms | 4 |
| SOC-501 | Philosophy of Social Science | 4 |
| SOC-502 | Advance Research Methodology (Quantitative and Qualitative) | 3 |
| SOC-503 | Advance Statistics | 3 |

Second Semester

| | | |
|---------|-------------------------------|----|
| SOC-600 | Gender Studies | 4 |
| SOC-601 | Pakistani Society and Culture | 4 |
| SOC-602 | Sociology of Development OR | 3 |
| SOC-603 | Demographic Studies | 3 |
| SOC-604 | Criminology OR | 3 |
| SOC-605 | Sociology of Health | 3 |
| SOC-606 | Internship | 3 |
| SOC-750 | Thesis | 36 |

M.Sc. Applied Psychology

There has been tremendous demand for starting classes in M.Sc. Applied Psychology as this facility was not available in this whole region. So the Institute of Management Sciences, with the approval of University authorities decided to introduce this programme since last year. A package of latest courses has been developed which will equip the students with the latest techniques and concepts in the field of Applied Psychology. This programme is running under semester system and classes are held in the evening in the premises of the Institute.

Degree Requirement

These are the essential requirements for the degree of M.Sc. Applied Psychology.

- The M.Sc. Applied Psychology will be two year and two months programme.
- Successful completion of 18 courses individually carrying 3 credit hours each and writing of thesis of 6 credit hours.
- Securing a minimum CGPA of 2.20 for completion of the programme.
- Completion of 6-8 weeks internship.
- Passing comprehensive examination on completion of course work.

Eligibility

- The applicants must be at least graduate (bachelor's in any field) with minimum second division from a recognized University.
- The maximum age limit is 26 year

Computation of Merit

Admission to M.Sc. Applied Psychology will be granted to the applicants on the basis of marks obtained in B.A./B.Sc./B.Com or equivalent Examination including 20 marks for Hifz-e-Quran plus 20 marks will be given to those applicants who have passed the subject of Psychology in graduation as

elective course of 200 marks.

Break up of Seats

A total forty four seats have been provided for M.Sc. Applied Psychology to be allocated as under:

| | |
|--|-----------|
| B.A./B.Sc./B.Com/Professional Degree or Equivalent | 40 |
| Special Admission Charges Seats | 10 |
| University Teacher's Son/Daughter | 02 |
| University Employee's Son/Daughter | 02 |
| Total: | 54 |

First Year

The first year programme comprising prep and two semesters includes the following courses:

Prep Semester

The students will have to undergo a prep semester of six weeks of following courses prior to taking up regular course work. The prep semester will be particularly helpful for the students who do not have any background in Psychology discipline.

1. English
2. Research Methodology
3. Essentials of Psychology

Outline of Courses

| First Semester | Credit Hours |
|--|--------------|
| MP-500 English Language | 3 |
| MP-501 History & System in Psychology | 3 |
| MP-502 Research Methodology | 3 |
| MP-503 Statistics | 3 |
| MP-504 Computer Applications | 3 |
| MP-505 Psychology of Human Relations/Social Psychology | 3 |

Second Semester

| | |
|--|---|
| MP-550 Experimental Psychology | 3 |
| MP-551 Psychometrics/Psychological Testing | 3 |
| MP-552 Abnormal Psychology | 3 |
| MP-553 Clinical Psychology | 3 |
| MP-554 Behavior Neuro Science/Physiological Psychology | 3 |
| MP-555 Developmental Psychology | 3 |

Third Semester

| | |
|--|---|
| MP-600 Cross Cultural Psychology | 3 |
| MP-601 Marketing Management | 3 |
| MP-602 Criminology | 3 |
| MP-603 Para Psychology | 3 |
| MP-604 Forensic Psychology | 3 |
| MP-605 Organizational Behavior | 3 |
| MP-606 School Psychology | 3 |
| MP-607 Environmental Psychology | 3 |
| MP-608 Health Psychology | 3 |
| MP-609 Educational Psychology | 3 |
| MP-610 Military Psychology | 3 |
| MP-611 Psychology of Women | 3 |
| MP-612 Islamic Perspective in Psychology | 3 |

Note: A student will select any six courses from the above mentioned.

Fourth Semester Credit Hours

| | |
|--|---|
| MP-650 Consumer Behavior | 3 |
| MP-651 Psycho Linguistics/Psychology of Language | 3 |
| MP-652 Human Resource Management | 3 |
| MP-653 Freud and Literature | 3 |
| MP-654 Counseling and Vocational Guidance | 3 |
| MP-655 Sports Psychology | 3 |
| MP-656 Communication | 3 |

Note: A student will select any four courses from the above mentioned.

| | |
|-------------------|---|
| MP-680 Thesis | 6 |
| MP-681 Internship | 3 |

M. Phil in Applied Psychology

Introduction

Psychology is the scientific study of behavior and cognitive processes. Psychology is curious, interesting and pragmatic. It attempts to comprehend human nature, and hence basic research in this field help us to improve the quality of our lives and establish a society based upon principles of justice and equity. The scope of psychology is an ever expanding phenomenon. Now psychological knowledge is applied to solve the problems of such diverse areas, as, management, environment, business, education, industry, space, sports, law, justice, hospital, linguistics, psychotherapy, counseling and guidance and critical evaluation of literature and other fine arts, but without any doubt Clinical Psychology is the most important applied area of psychology.

There has been tremendous demand for starting classes in M.Phil in Applied Psychology as this facility was not available in this whole region. So the Institute of Management Sciences, with the approval of University authorities decided to introduce this Programme. A package of latest courses has been developed which will equip the students with the latest techniques and concepts in the field of Applied Psychology. The Programme will be run on semester system and classes will be held in the evening in the premises of the Institute. Our main objectives are as under:-

- To provide mental health facilities, counseling and guidance and Human resource management services to the people of this region.
- Develop high quality professionals and behavioral scientists that are committed to pursuit of excellence, and are endowed with vision, courage and dedication.

- Improve academic standard in this region through the generation, assimilation, and dissemination of knowledge.
- Make a significant and meaning-full contribution towards the social and economic betterment of Pakistan through development of these human resources.
- To prepare people of this area to serve as intellectual resource base in this region.

Statutes

- Eligibility: The students who have completed M.Sc Psychology/ M.Sc Applied Psychology will be eligible to get admission in M.Phil in Applied Psychology.
- The M.Phil in Applied Psychology Program is of two semesters.
- The M.Phil in Applied Psychology is of 11 courses in two semester (18 credit hours per semester) with credit hours as shown against each course with a thesis of 36 credit hours and internship of 3 credit hours.
- A student on completion of M.Phil in Applied Psychology with minimum 3.0 C.G.P.A. will be awarded Degree of M.Phil in Applied Psychology.

Time Period

The time limit for the use of credit towards M.Phil in Applied Psychology shall be twenty-four months from the beginning of the earliest course counted towards the M.Phil Degree. A student repeating the course(s) shall be required to complete the course(s) within a maximum period of one year.

Time Schedule

- Each semester shall be a four and half month's duration four months for teaching, one week for the conduct of examination, and one week for the preparation of results.
- The dates for starting of each semester

shall be as may be prescribed by the University.

Degree Requirements

These are the essential requirements for the M.Phil in Applied Psychology.

- 1) The M.Phil in Applied Psychology will be a twenty four months programme.
- 2) Successful completion of II courses individually carrying 3 credit hours each and with 33 credit hours thesis.
- 3) Securing a minimum CGPA of 3.0 for completion of the programme.
- 4) Completion of 6-8 weeks internship in an industrial/ business/ commercial/mental health institution/ career path counseling and guidance center/ hospitals and organizations.
- 5) Passing comprehensive examination on completion of course work.

Course Outlines

First Semester

| Course No. | Title | Credit Hours |
|------------|---|--------------|
| Psy-700 | Advance Research Methodology, Quantitative and Qualitative Research Designs with emphasis on Qualitative Research Methods | 3 |
| Psy-701 | Advance Psychological Statistics | 3 |
| Psy-702 | Advance Psycho Diagnosis Assessment, and Report Writing | 3 |
| Psy-703 | Modern Psychological Thought | 3 |
| Psy-704 | Advance Neuro Psychology | 3 |
| Psy-705 | Advance Counseling and Guidance Psychology/ Ethical Standard | 3 |

Second Semester Option-I

| | | |
|---------|---|---|
| Psy-750 | Advance Psychotherapy-I clinical Psychology | 3 |
| Psy-751 | Advance Psychotherapy-II | 3 |
| Psy-752 | Psycho Pharmacology | 3 |
| Psy-753 | Child Development, Psycho Pathology, Assessment and Psychotherapy | 3 |
| Psy-754 | Internship (8 case studies) | 3 |

Title Option-II Credit Hours

| | | |
|---------|--|---|
| Psy-800 | Work and Organizational Psychology | 3 |
| Psy-801 | Management Concepts | 3 |
| Psy-802 | Interpersonal Skills at work | 3 |
| Psy-803 | Community Psychology/ Environmental Psychology | 3 |
| Psy-804 | Internship | 3 |

Note: A student can opt. either option-I or option-II in second semester.

| | | |
|---------|--------|----|
| Psy-850 | Thesis | 36 |
|---------|--------|----|

Postgraduate Diploma in Clinical Psychology

Introduction

Psychology is the scientific of behaviour and cognitive processes. Psychology is curious, interesting and pragmatic. It attempts to comprehend human nature, and hence basic research in this field help us the improve the quality of our lives and established a society based upon principles of justice and equity. The scope of psychology is an ever-expanding phenomenon. Now psychological knowledge is applied to solve the problems of such diverse areas, as, management, environment, business, education, industry, space, sports, law, justice, hospital, linguistics, psychotherapy, counseling and guidance and critical evaluation of literature and other fine arts, but without any doubt Clinical Psychology is the most important applied area of psychology.

There has been tremendous demand for starting classes in Postgraduate Diploma in Clinical Psychology as this facility was not available in this whole region. So the Institute of Management Science, with the approval of University authorities decided to introduce this Programme. A package of latest courses has been developed which will equip the students with the latest techniques and concepts in the field of Clinical Psychology. The Programme will be run on semester system and classes will be held in the evening in the premises of the Institute. Our main objectives are as under:-

- * To provide mental health facilities, counseling and guidance services to the people of this region.
- * Develop high quality professionals and behavioral scientists that are committed to pursuit of excellence, and are endowed with vision,

courage and dedication.

- * Improve academic standard in this region through the generation, assimilation, and dissemination of knowledge.
- * Make a significant and meaning-full contribution towards the social and economic betterment of Pakistan through development of these human resources.
- * To prepare people of this area to serve as intellectual resource base in this region.

Eligibility:

The students who have completed M.Sc. Psychology / M.Sc. Applied Psychology securing at least second division will be eligible to admission in Postgraduate Diploma in Clinical Psychology.

Duration:

The Postgraduate Diploma in Clinical Psychology Programme shall consist of three semesters.

The Diploma of Clinical Psychology shall consist of 14 courses with credit hours as shown against each course with a thesis of 6 credit hours and two internships of 6 credit hours.

Course Outlines

First Semester

| Course No. | Title | Credit Hours |
|------------|--|--------------|
| 700 | Introduction to Psychology | 3 |
| 701 | Advance Psychological Statistics | 3 |
| 702 | Psycho Diagnosis Assessment, and Report Writing | 3 |
| 703 | Computer Application | 3 |
| 704 | Advance Research methodology and Research in Psychotherapy | 3 |
| 705 | Psychophysiology | 3 |

Second Semester

| | | |
|-----|-----------------------------|---|
| 750 | Psychotherapy-II | 3 |
| 751 | Ethical Standard | 3 |
| 752 | Psycho Pharmacology | 3 |
| 753 | Neuro Psychology | 3 |
| 754 | Psycho Diagnosis-II | 3 |
| 755 | Internship (8 case studies) | 3 |

Third Semester

| | | |
|-----|--|---|
| 800 | Psychotherapy-III | 3 |
| 801 | Psychoterapy-IV | 3 |
| 802 | Child Development Psychology, Assessment and Psychotherapy | 3 |
| 803 | Internship-II (7 case studies) | 3 |
| 850 | These | 6 |

M.A. Philosophy

Introduction

Social Sciences that help resolving various problems produced by technology or material progress are all having their roots in philosophy. In order to polish these social sciences and to create harmony between the material environment and our thought process, most significant support can be obtained from the discipline of philosophy. Present era needs the development of such a rich and deep-rooted discipline such as philosophy. The confusion and conflicts of our era can be reduced and a soothing harmony between technology and cognition can be created if philosophy is given due importance in our societies. The very history of Greece, India, Persia and Europe is the evidence that behind every enlightenment era there was immense development of philosophical thought. As in Pakistan no such importance has been given to philosophy. Bahauddin Zakariya University has decided to revitalize this discipline by starting M.A. Philosophy. The main objectives of this program are:

- 1) To prepare people of this area to serve as intellectual resource base in this region.
- 2) Make a significant and meaningful contribution towards the economic and social betterment of Pakistan through the development of these human resources.
- 3) To bridge the gap between image and concept and to work for the establishment of just society.
- 4) Improve academic standard in this region. Assimilation and dissemination of knowledge.
- 5) To provide intellectual resource base to Natural Sciences, Social Sciences, Arts and Literature.

Above-mentioned objectives of this M.A. Program indicate the necessity of M.A. Philosophy classes in B. Z. University, Multan.

Statutes

- The M.A. Philosophy Program shall consist of four semesters.
- The degree of M.A. Philosophy shall consist of 25 courses with credit hours as shown against each course with a thesis of 6 credit hours.
- A student on completion of M.A. Philosophy with minimum 2.2 C.G.P.A. will be awarded M.A. Philosophy degree, which will consist of four semesters with 63 Credit hours course work! thesis.

Eligibility

1. The applicants must be at least graduate (Bachelor's in any field) with minimum

second division from a recognized University.

2. The maximum age limit is 26 year.

Computation of Merit

Admission to M.A. Philosophy will be granted to the applicant on the basis of marks obtained in B.A./B.Sc./B.Com. or equivalent Examination including 20 marks for Hifze-e-Quran plus 20 marks will be given to those applicants who have passed the subject of Philosophy in graduation as elective course of 200 marks.

Outline of Courses

First Semester

| Course No. | Title | Credit Hrs. |
|------------|-----------------------------|-------------|
| P-500 | English Language | 3 |
| P-501 | Computer Application | 3 |
| P-502 | History of Greek Philosophy | 3 |
| P-503 | Muslim Philosophy | 3 |
| P-504 | Human Behavior | 3 |
| P-505 | Logic | 3 |

Second Semester

| | | |
|-------|----------------------------------|---|
| P-550 | History of Western Philosophy | 3 |
| P-551 | Philosophy of Religion Opt-I or | 3 |
| P-552 | Philosophy of Education Opt-II | 3 |
| P-553 | Ethics | 3 |
| P-554 | Philosophy of Science | 3 |
| P-555 | Qualitative Research Methodology | 3 |

Third Semester

| | | |
|-------|-------------------------------------|---|
| P-600 | Philosophy of Management Opt-I or | 3 |
| P-601 | Environmental Philosophy Opt-II | 3 |
| P-602 | Philosophy of Arts | 3 |
| P-603 | Metaphysics/ Problems of Philosophy | 3 |
| P-604 | Contemporary Philosophical Thought | 3 |
| P-605 | Feminist Philosophy Opt-I or | 3 |
| P-606 | Political Philosophy Opt-II or | 3 |
| P-607 | Philosophy of Law Opt-III | 3 |

Fourth Semester

| | | |
|-------|--|---|
| P-700 | Indian Philosophy | 3 |
| P-701 | Philosophy of Social Sciences Opt-I or | 3 |
| P-702 | Philosophy of Technology Opt-II | 3 |
| P-703 | Chinese Philosophy Opt-I or | 3 |
| P-704 | African Philosophy Opt-II | 3 |
| P-750 | Thesis | 6 |

M.Sc. Geography

Introduction

Prosperity and success of a nation are always related to human resource development. This is not a concealed fact that the most important aspect of human resource development is education. Bahauddin Zakariya University, Multan has always taken this aspect very seriously. As many disciplines have been established at university campus, the university has decided to take a step further by establishing Geography department and offering M.Sc. Geography degree program.

Geography is a science, which deals with the distribution phenomenon on the face of earth which effect man. Knowledge of our environment and nature around us is certainly essential for our development, better life conditions and progress. Geography provides such knowledge and skills that contribute in the process of making a more able and developed human society. It is an enquiry, a study of the causes and an attempt to find out why and how natural surroundings and geographical features influence the life of man on this planet. Diversity and richness in landforms, climate vegetation, animals, deserts and many other natural features of South Punjab indicate the fact that a science like Geography must have its roots in this region. That will certainly help the people of this region to develop their skills in Geography and contribute in the development of whole nation.

- The main objectives of this M.Sc. Geography Program are:
 1. Development of Human Resources in South Punjab
 2. To provide the people of this region with a facility to learn and research in the field of Geography.
 3. To promote Geography as a practical tool helpful in the understanding of relationship between man and nature.

4. Availability of Post-graduate level studies in Geography so that students of all economic stratum can easily get their aspired higher education.
5. To explore the Geographical diversity of this area and to deliver the country with more research and education in Geography.

Degree Requirements

These are the essential requirements for the degree of M.Sc in Geography.

- (i) The M.Sc Geography will be two years and two months program.
- (ii) Successful completion of 19 courses individually carrying 3 credit hours each and with 6 credit hours thesis.
- (iii) Securing a minimum CGPA of 2.20 for completion of the program.
- (iv) Completion of 6-8 weeks internship in an industrial/ business/ commercial/ mental health institution/ career path counseling and guidance center/ hospitals and organizations.
- (v) Passing comprehensive examination on completion of course work.

Eligibility

1. Applicants must be at least graduate (Bachelor's in any field) with minimum second division from a recognized university or institution.
2. The maximum age limit is 26 years.

Computation of Merit

Admission to M.Sc Geography will be granted to the applicants on the basis of marks obtained in B.A/B.Sc or equivalent examination including 20 marks for Hifz-e-Quran.

Break up of Seats

A total forty four seats have been provided for M.Sc Geography to be allocated as under:

| | |
|------------------------------------|-----------|
| B.A/ B.Sc or equivalent | 40 |
| Special Admission Charges | 05 |
| University Teacher son/ daughter | 02 |
| University Employees son/ daughter | 02 |
| Total | 49 |

Outline of Courses M.Sc Geography

First Semester

| Course No. | Title | Credit Hours |
|------------|-----------------------------------|--------------|
| G-500 | English Language | 3 |
| G-501 | Computer Application | 3 |
| G-502 | Geomorphology | 3 |
| G-503 | Development of Geographic Thought | 3 |
| G-504 | Field Survey Report | 3 |
| G-505 | Map Work | 3 |

Second Semester

| | | |
|-------|------------------------------|---|
| G-550 | Climatology | 3 |
| G-551 | Economic Geography | 3 |
| G-552 | Statistical Geography | 3 |
| G-553 | Research Methodology | 3 |
| G-554 | Urban Geography and Planning | 3 |

Third Semester

| | | |
|-------|--|---|
| G-600 | Pakistan Geography | 3 |
| G-601 | Environmental Geography | 3 |
| | OR | |
| G-602 | Oceanography | 3 |
| G-603 | Surveying | 3 |
| G-604 | Regional Geography (Asia) | 3 |
| | Opt-I OR | |
| G-605 | Regional Geography (Europe) | 3 |
| | Opt-II OR | |
| G-606 | Regional Geography (North America) | 3 |
| | Opt-III OR | |
| G-607 | Regional Geography (3 Southern Continents) | 3 |
| | Opt-IV | |
| G-608 | GIS (Geographical Information System) OR | 3 |
| G-609 | Population Geography | 3 |

Note: The students will study any one of the Above mentioned Options.

Fourth Semester

| | | |
|-------|---------------------------------------|---|
| G-650 | Aerial Photography and Remote Sensing | 3 |
| G-651 | Regional Planning and Development | 3 |
| | OR | |
| G-652 | Agriculture Geography | 3 |
| | OR | |
| G-653 | Transportation Geography | 3 |
| G-654 | Political Geography | 3 |
| | OR | |
| G-655 | Cultural Geography | 3 |
| | OR | |
| G-656 | Globalization and Social Changes | 3 |
| G-700 | Thesis (Compulsory) | 6 |

M.A. Fine Arts

Introduction

Fine Arts use to portray the ideal culture in the real culture that is why it is the expression of any culture, Nation or country. Introducing the classes of M.A Fine Arts in B. Z. University, Multan can really contribute in each and every sphere of this ancient cultural city.

The ancient history, rich multiethnic culture, walled city, spirituality, ceramics, wood work, architecture and various other aspects of this 5000 years old living city are coloured with the colours of antiquity and geographical environment. This city for years has no such institute that can capture its colours of life or that can educate and train its inhabitants in the skills of painting, drawing sculpture ceramics, photography or film making. Introduction of M.A Fine Arts classes under the Institute of Management Sciences will certainly enable the students of this area to bring the rich cultural and geographical environment of this city in global art scenario.

National College of Arts Lahore is serving our society in the fields of Arts and Culture for several years. At this time we have to acknowledge the fact that NCA it is not able to acquaint the growing member of student with certain skills in the field of fine arts. We can easily conceive the complexity of the issue by looking at the limited numbers of seats available at N.C.A and hundreds of applicants who do not get admission. Universities and academic institutions are to provide curious and intelligent students with the opportunities. Students than paint the image of whole of the Nation and Society on Global canvas. To provide an opportunity to the students of Fine Arts here in Multan seems to be the most essential task to come up with. Keeping in view the history, culture, geography and social life of world's oldest

living city, the establishment of the department of Fine Arts at Bahauddin Zakariya University, Multan can contribute in the cultural and intellectual spheres of our society.

Objective of The Program

The objectives of this program (M.A Fine Arts) are:

- Provides an opportunity for the students to study Fine Arts in Southern Punjab.
- Development of practical skills and knowledge in the field of painting, sculpture, photography, Film making, Designing and ceramics.
- Preservation of ancient cultural heritage of Multan in the form of expressive culture such as sculpture, painting, pottery, print making etc.
- Specialization in techniques of blue pottery, tile work and prints so that skilled and well-educated students can introduce the society and culture as well as art and architecture of this area to whole of the world.
- Enable the students, artists and experts to manage, market and present the art and artifacts of our society in such a manner that we can benefit from the industry of art in true sense.

Statutes, Procedures, Rules and Regulations

Statutes

- The M.A Fine Arts Programme shall consist of four semesters.
- The degree of M.A Fine Arts shall consist of 23 courses with credit hours as shown against each course with a thesis of 3 credit hours.
- A student on completion of M.A Fine Arts with minimum 2.2 C.G.P.A. will be awarded M.A. Fine Arts degree, which will consist of four semesters with 96 Credit hours course work/ thesis.

Eligibility

For admission to M.A. Fine Arts the student is required to have at least 45% marks in B.A./B.Sc. or equal exam.

Computation of Merit

Merit will be determined on the basis of 50% weightage allocated to marks obtained in entry test and 50% weightage to marks obtained in B.A./B.Sc. or equivalent examination including 20 marks for the subject of Fine Arts studied at B.A. level and 20 marks for Hifz-e-Quran.

Seats

| | |
|-------------------------|----------|
| Merit | 25 |
| Teacher's son/daughter | 1 |
| Employee's son/daughter | 1 |
| | <hr/> 27 |

Outline of Courses

First Semester

| Course No. | Title | Credit Hrs. |
|------------|------------------|-------------|
| FA-500 | English Language | 3 |
| FA-501 | History of Arts | 3 |
| FA-502 | Visual Art | 3 |
| FA-503 | Graphics (DTP) | 3 |
| FA-504 | Drafting | 3 |
| FA-505 | Drawing-I | 6 |

Second Semester

| Course No. | Title | Credit Hrs. |
|------------|-----------------------|-------------|
| FA-550 | Drawing-II | 6 |
| FA-551 | Painting-I | 6 |
| FA-552 | Sculpture | 6 |
| FA-553 | Fundamental Designing | 3 |
| FA-554 | Print Making | 3 |

Third Semester

| Course No. | Title | Credit Hrs. |
|------------|---------------------------------|-------------|
| FA-600 | Drawing-III | 6 |
| FA-601 | Painting-II | 6 |
| FA-602 | Sculpture-II | 6 |
| FA-603 | Introduction to Culture | 3 |
| FA-604 | Psychology of Image and Culture | 3 |

Fourth Semester

| Course No. | Title | Credit Hrs. |
|------------|-------------------|-------------|
| FA-700 | Drawing-IV | 6 |
| FA-701 | Painting-III | 6 |
| FA-702 | Ceramics | 6 |
| FA-703 | Management of Art | 2 |
| FA-704 | Art Appreciation | 2 |
| FA-705 | Philosophy of Art | 2 |
| FA-750 | Thesis | 3 |

Prep. Semester

The Students admitted in M.A Fine Arts will have to undergo Prep. Semester of 6 weeks in which following courses of 3 credit hours each will be taught:

1. English (Spoken, Reading & Writing Skills)
2. Essential of Arts

The students have to qualify the courses before taking up the regular semester. The Student who fails to qualify any of these courses will not be allowed to take the same course in 1st Semester. The student, who fails in more than one course, will have to wait for the next semester, and they will have to remove the deficiency during this period.

University Gilani Law College

| | |
|------------------------|--|
| Established: | 1971 |
| Programmes of Studies: | <i>LL.B. (3 year course); LL.M. D.L.L.; D.T.L.</i> |
| Enrollment: | <i>See Chart No.1 for details</i> |
| Prerequisites: | <i>B.A./B.Sc.</i> |
| Principal: | <i>Prof. Dr. Abdur Rahsid</i> |
| Students' Advisor: | <i>Mr. M. Saleem Sheikh</i> |

Introduction

The Law College, one of the pioneer educational institutions of the city, was established in January, 1971, by the Anjuman-e-Islamia, Multan. In pursuance of the Government's policy to nationalise the educational institutions, the College was taken over by the Education Department on 1st September, 1972. The Government provided curricular programmes as well as administrative and financial assistance to the College. The administrative control and management of the College was subsequently transferred from the Education Department to the Law Department on 1st July, 1977.

In October, 1977, the College was integrated with Bahauddin Zakariya University as its Constituent College. Keeping in view the public demand for providing specialised training in the field of Labour and Taxation Law, Diploma class in Labour laws was started in 1983-84 session, and in Taxation Law from 1986-87.

Classes of the Law College, which is housed in the Government Wilayat Hussain Islamia Degree College, Masoom Shah Road, Multan, are held in the afternoon. Presently, there are three whole-time and a number of part-time teachers (who are renowned working Lawyers of Multan) rendering their services to the College.

The College has its own library containing text books, reference books and Law journals. The students can borrow books from the library, according to the rules prescribed by the College.

Law Moots are arranged by a Committee comprising the Principal or a whole or a part time teacher and Student Secretaries. Speakers for each moot are selected by the presiding teacher. Opportunity is given to the largest possible number of students to take active part in the moots. Efforts are also being made to enhance the research activities and to start LL.M. class in the near future.

Admission

The detail of seats for admission of LL.B. Part-I class is given in Chart No.1.

The Admission to LL.B. Part-I class will be made by the College Admission Committee, according to the admission/merit criteria laid down by the College.

College Admission Committee

| | |
|------------------------------|-----------|
| Prof. Dr. Abdur Rashid | Chairman |
| Mr. Javed Iqbal Joiya | Member |
| Mr. Javed Iqbal Adam | Member |
| Mr. Muhammad Riaz Khan Babar | Member |
| Mr. Muhammad Saleem Sheikh | Secretary |

Eligibility

Candidates who have passed B.A./B.Sc. Examination securing atleast 45% marks are eligible for admission to LL.B. Part-I class.

Computation of Merit

a. For Fresh Graduates

The merit for fresh graduates will be determined on the basis of aggregate marks obtained in B.A./B.Sc. Examination plus 20 marks for Hifz-e-Quran.

b. For in-service Graduates

In case of in-service candidates, the merit will be determined on the basis of aggregate marks obtained in B.A./B.Sc. Examination plus 20 marks for Hifz-e-Quran.

The admission to LL.B. Part-I class will be governed by the general admission regulations of the University. However in case of in-service candidates, the following additional regulations will also be observed.

Additional regulations for in-service Candidates

1. There is no age limit for admission to LL.B. Part-I class against seats reserved for in-service candidates.
2. The applicant must produce alongwith this complete application for admission an NOC from his Department allowing him to study in the Law College, failing which his application shall be rejected.
3. Applicants posted out of Multan shall have to produce a certificate of leave for the full academic session from their Department permitting them to study in the Law College, failing which their admission shall be cancelled.
4. Candidates selected for admission provisionally shall produce original certificates and documents to the authorised officer before getting the challan form for depositing the College dues.

Additional Regulations For Admission to LL.B. Part-II & LL.B. Part-III Class

Admission to the LL.B. Part-II & LL.B. Part-III classes shall be made in accordance with the Rules and Regulations approved by the College/University.

1. Students of the College who have passed LL.B. Part-I, Examination will be admitted in the LL.B. Part-II class.
2. Students of the College who have appeared in LL.B. Part-I Annual Examination can be admitted in LL.B. Part-II, subject to the condition that in case they fail in the said Examination, their names shall stand dropped from the College rolls automatically.

3. Students of the college who have passed LL.B. Part-II Examination will be admitted in the LL.B. Part-III class.
4. Students of the college who have appeared in LL.B. Part-II, Annual Examination can be admitted in LL.B. Part-III, subject to the condition that in case they fail in the said Examination, their names shall stand dropped from the College rolls automatically.

An outline of test in each subject of LL.B. Examinations with number of marks assigned to each is given below:

Part-I

| Course No. | Title | Marks |
|------------|---|-------|
| I. | JURISPRUDENCE | 100 |
| II. | LAW OF CONTRACT | |
| | 1 The Contract Act. 1872 (as amended upto date) | 80 |
| | 2 The Sale of Goods Act. 1930 (as amended upto date) | 20 |
| | 3 Selected Cases | |
| III. | ISLAMIC JURISPRUDENCE | 100 |
| IV. | LAW OF TORTS AND EASEMENTS | |
| | I) LAW OF TORTS | 80 |
| | II) EASEMENT | 20 |
| | V) CRIMINAL LAW | |
| | 1 a. General Principles | |
| | b. The Pakistan penal Code, 1880 (as amended upto date) | 60 |
| | 2 Hadood Laws including relevant Quranic Texts | 40 |

VI. CONSTITUTIONAL LAW-I

- 1 Principles of British constitution 50
- 2 Constitution of U.S.A. 50
- 3 Selected Cases

Part-II

I. CONSTITUTIONAL LAW-II

- 1 Constitution of Islamic Republic of Pakistan 1973 (as amended upto date) 80
- 2 Constitutional History of Indo-Pak (from 1947 to onward) 20
- 3 Selected Cases

II. EQUITY

- 1 Principles of Equity 20
- 2 The Trust Act. 1882 (as amended upto date) 20
- 3 The Specific Relief Act. 1877 (as amended upto date) 60

III. MERCANTILE LAW

- 1 Companies Ordinance, 1984 (as amended upto date) 60
- 2 The Negotiable Instruments Act. 1881 (as amended upto date) 20
- 3 The Partnership Act. 1932 (as amended upto date) 20

IV. LAW OF TRANSFER OF PROPERTY

- 1 The Transfer or Property Act. 1882 (as amended upto date) 40
- 2 The Registration Act. 1908 (as amended upto date) 20
- 3 The Succession Act. 1925 (as amended upto date) 20
- 4 The Land Acquisition Act. 1894 (as amended upto date) 20

V. ISLAMIC PERSONAL LAW

- 1 Muslim Personal Law including all relevant enactments and Quranic Verses 80
- 2 The Guardian and Wards Act. 1890 (as amended upto date) 20

VI. INTERNATIONAL LAW

| | |
|--|-----|
| Public International Law (or) Private International Law (Conflict of Laws) | 100 |
| Public International Law | 100 |

VII. SPECIAL AND LOCAL LAWS

| | |
|--------------------------------|----|
| 1 Land Revenue Act. 1967 | 60 |
| 2 Tenancy Act. 1887 | 20 |
| 3 Punjab Pre-emption Laws 1991 | 20 |

Part-III**I. CIVIL PROCEDURE**

| | |
|--|----|
| 1 The Civil Procedure Code, 1908 (as amended upto date) | 80 |
| 2 The Limitation Act. 1908 (as amended upto date) | 20 |
| 3 Leading Cases | |

II. CRIMINAL PROCEDURE

| | |
|---|----|
| 1 The Criminal Procedure code, 1898 (as amended upto date) | 80 |
| 2 Medical Jurisprudence | 20 |

III. LAW OF EVIDENCE

| | |
|---|----|
| 1 Qanoon-e-Shahadat, 1984 (as amended upto date) | 80 |
| 2 General Principles of Legal Ethics | 20 |
| 3 Leading Cases | |

IV. CONVEYANCING AND PLEADINGS

| | |
|------------------------------|----|
| 1 Conveyancing | 40 |
| 2 Pleadings | 40 |
| 3 Interpretation of Statutes | 20 |

V. ADMINISTRATIVE LAW

| | |
|--|----|
| 1 a. Principles of Administrative Law | 60 |
| b. Law of Administrative Tribunals | |
| 2 Law of Civil Service | 40 |
| a. Removal from Service (Special Powers) Ordinance, 2000. | 20 |
| b. Punjab Removal from Service (Special Powers) Ordinance, 2000. | 20 |

VI. MINOR ACTS

| | |
|---|----|
| 1 The Stamp Act, 1899 (as amended upto date) | 20 |
| 2 The Suits Valuation Act, 1887 (as amended upto date) | 20 |
| 3 The Court Fees Act, 1870 (as amended upto date) | 20 |
| 4 The Arbitration Act, 1940 (as amended upto date) | 20 |
| 5 Urban Rent Restriction Ordinance, 1959 (as amended upto date) | 20 |

VII. LABOUR AND TAXATION LAWS**Labour Laws:**

| | |
|---|----|
| 1 Industrial Relations Ordinance, 2002 (as amended upto date) | 20 |
| 2 W.P. Standing Orders, 1968 | 20 |
| 3 The Workmen Compensation Act, 1923 (as amended upto date) | 20 |

Taxation Laws:

| | |
|--|----|
| Income Tax Ordinance, 2001 (as amended upto date) | 40 |
|--|----|

Important Note:

- i) From the new admission onward i.e. for law exam. For L.L.B. Part-I schedule in 2005, all the examinees would be required to solve at least two questions out of five in English.
- ii) The same class Examinees promoted in L.L.B. Part-II in 2006 would be required to do at least three questions out of five in English.
- iii) And for such examinees promoted in L.L.B. Part-III, there will be no choice i.e. they will attempt all the five questions in English and this will continue onward.

LLM.

University is offering LLM full time morning degree programme at the main campus (IMS).

Eligibility

Has passed LL.B degree from any HEC recognized university or equivalent law examination of any other recognized university.

Age Limit 28 Years**Seats**

| | |
|---------------------|-----------|
| Merit | 14 |
| Teacher/Employee | 1 |
| Reserved for Female | 5 |
| Total | 20 |

LL.M (Previous)

| | |
|---|-----|
| I. Public International Law (history only) with special reference to International Trade Law and International Environmental Law. | 100 |
| II. Company Law/Commercial Law. | 100 |
| III. Comparative study of worlds constitutions. (U.K., U.S.A., USSR, India & Pakistan) | 100 |
| IV. Criminal Law | 100 |

LL.M (Final)

| | |
|---|-----|
| I. Comparative study of Islamic and Western Jurisprudence. | 100 |
| II. Alternative Dispute Resolution. | 100 |
| III. Thesis and Viva Voca. | 100 |

Note:

- I. The students will be issued with full reading lists and course out lines of their subjects by the concerned teachers at the start of the classes.
- II. The admitted students shall be informed about the regulations at the time of registrations.

Department of Commerce

Established: 1996

Programmes of Studies:

A- Undergraduate Degree Programmes:

- I- *Bachelor of Science in Accounting and Finance (BS Honours A&F)*
- II- *Bachelor of Commerce (B.Com. Honours)*

B- Postgraduate Degree Programmes:

- I- *Master of Science in Accounting and Finance (M.Sc. A&F)*
- II- *Master in Business Economics (MB Econ.)*
- III- *Master of Commerce (M.Com.)*
- IV- *Master of Science in Electronic Commerce (M.Sc. E-Commerce)*
- V- *Master of Philosophy in Business Finance (M.Phil in Business Finance)*

Dean: Prof. Dr. Mohammad Zafarullah

Chairman: Dr. Mohammad Hanif Akhtar

Introduction

In the modern complex world, especially in the era of information technology and internet, changes are taking place rapidly due to emergence of new techniques and development in commerce, banking, information technology and industrial sectors. These developments have resulted in the change of recruitment policies of employers against various managerial positions. Now they tend to employ graduates who possess the required skills and are equipped with the latest tools and techniques to tackle different business decision situations. Thus, to meet these challenges and to cater the needs of the industrial, services, information technology sectors and global Business, the department was established in 1996. Within a shorter period of time since its establishment, the department is offering two undergraduate and five Post-graduate programs including M.Phil in Business Finance leading to Ph.D (details follow).

Computer Clusters

The Computing facilities are provided both to faculty members and students over the local area network (LAN) running XP Windows 2000 on latest breed of computers, comprising of the following equipments:-

| | | |
|------------------|------------------------------------|----|
| P-III/667 | Windows 2000, NT Technology Server | 01 |
| P-II-MMX-266 MHZ | Windows NT Server | 01 |
| Pentium 233 MHZ | Windows NT Workstations | 16 |
| P-III/667 MHZ | Windows 2000 Workstations | 25 |
| P-IV/1.7 GHZ | Windows 2000 Workstation | 20 |
| P-IV/2.8 GHZ | Windows 2000 Workstation | 15 |

Printing services on laser printer and internet are provided over networks. The cluster is fully equipped with Multimedia, Image Projectors, Scanners and Megabyte for developing web-based applications on internet. For more information, visit our Web-site www.bzu.edu.pk/commerce

Departmental Admissions Committee

| | |
|---------------------------|-----------|
| Dr. Mohammad Hanif Akhtar | Chairman |
| Ghulam Muhammad Malik | Member |
| Muhammad Aamir | Member |
| Mrs. Rehana Kousar | Secretary |

A- Postgraduate Degree Programmes

I) M.Sc. (Accounting & Finance) Morning Programme

The programme is intended to enable the students to understand the dynamics of modern systems of accounting and financial techniques. Having done this, the students would be in a position to adjust themselves in various business organisations in the fields of accounting and finance.

Eligibility:

Candidates are required to have secured at least 45% marks in B.Com. or Grade “C” in BBA.

Admission:

Admission will be made by the departmental admissions committee according to the admission/merit criteria laid down by the department. The detail of seats for this program is provided in Chart No.1

Age:

Age of candidates should not exceed more than 26 years on the last date of the receipt of applications.

Computation of Merit:

Merit shall be determined on the basis of 30% weightage allocated to marks obtained in the entry test (to be conducted by the department) and 70% weightage to marks obtained in the B.Com/BBA or equivalent examinations including 20 marks for Hifz-e-Quran.

Detail of Courses**Ist Semester**

| | |
|--------|--|
| MAF500 | Economic Analysis and Managerial Economics |
| MAF501 | Computer Applications in Business |
| MAF502 | Business Finance |
| MAF503 | Accounting for Decision Making |
| MAF504 | Management & Human Resource Management (HRM) |

2nd Semester

| | |
|--------|--|
| MAF550 | Research Methods for Business |
| MAF551 | Financial Reporting: Principles and Applications |
| MAF552 | Financial Management |
| MAF553 | Islamic Finance |
| MAF554 | Advanced Auditing Problems |

3rd Semester

| | |
|--------|--|
| MAF600 | Quantitative Techniques for Business |
| MAF601 | Marketing Management |
| MAF602 | Advanced Managerial Accounting |
| MAF603 | Investment Analysis & Portfolio Management |
| MAF604 | International Business |

4th Semester

| | |
|--------|---------------------------------------|
| MAF650 | Financial Analysis |
| MAF651 | Database Management & System Analysis |
| MAF652 | International Finance |
| MAF653 | Advanced Accounting |
| MAF654 | Advanced Cost Accounting |

Degree Pre-Requisites:

In addition to the successful completion of above mentioned four semesters, the students shall have to:-

- i) Undergo a 6-8 weeks Internship in an industrial/commercial limited organization. The internship would carry no weightage towards the calculation of CGPA. However, every student shall have to qualify the internship as a degree requirement.
- ii) Take a written Comprehensive Examination on major courses taught. Comprehensive Examination would have no weightage towards calculation of CGPA. However, every student shall have to qualify within three chances.

II- Master in Business (Economics) – Afternoon Programme

This programme is expected to develop the students with expertise in the areas of business and economics. A blended knowledge in this regard would enable them to adjust both in the areas of economics and business. Particular focus on the issues of

Pakistan economy would allow the students to comprehend more about theoretical underpinnings of the economy of Pakistan.

Eligibility:

Candidates are required to be at least a Graduate (B.Com., BBA and B.A./B.Sc. with Economics Elective) with a minimum of 2nd Division (45% marks in B.Com. and B.A./B.Sc. and grade “C” in BBA)

Admission:

Admission will be made by the Departmental Admission Committee according to the Admission/Merit Criteria laid down by the Department. The detail of seats for this Program is given in Chart No.1

Age:

Age of candidates should not exceed more than 26 years on the last date of the receipt of applications.

Computation of Merit:

Merit shall be determined on the basis of 30% weightage allocated to marks obtained in the entry test (to be conducted by the department) and 70% weightage to marks obtained in the BA/BSc with economics/ B.Com/BBA or equivalent examinations including 20 marks for Hifz-e-Quran.

Detail of Courses**Ist Semester**

| | |
|--------|------------------------------------|
| MBE500 | Micro Economics |
| MBE501 | Computer Applications in Business |
| MBE502 | Statistics for Business Economics |
| MBE503 | Mathematics for Business Economics |
| MBE504 | Accounting for Decision Making |

2nd Semester

| | |
|--------|----------------------|
| MBE550 | Marketing Management |
|--------|----------------------|

MBE551 Macro Economics
 MBE552 Business Communication
 MBE553 Financial Management
 MBE554 Management and Human
 Resource Management

3rd Semester

MBE600 Advanced Managerial Accounting
 MBE601 International Business
 MBE602 Research Methods for Business
 MBE603 Business Econometrics
 MBE604 Investment Analysis

4th Semester

MBE650 Analysis of Pakistan Economy
 MBE651 International Economics
 MBE652 Development Economics
 Option I, II

Optional Courses

MBE653 Organization Behavior
 MBE654 Monetary Economics
 MBE655 Financing of Foreign Trade &
 Foreign Exchange
 MBE656 Budgeting and Forecasting
 MBE657 Corporate Finance
 MBE658 Labor Economics
 MBE659 Business Policy
 MBE660 Managerial Economics

Degree Pre-Requisites:

In addition to the successful completion of above mentioned four semesters, the students shall have to:-

- i) Undergo a 6-8 weeks Internship in an industrial/commercial limited organization. The internship would carry no weightage towards the calculation of CGPA. However, every student shall have to qualify the internship as a degree requirement.
- ii) Take a written Comprehensive Examination on major courses taught. Comprehensive Examination would have no weightage towards calculation of

CGPA. However, every student shall have to qualify within three chances.

III- M.Com. (Evening Programme)

Master in Commerce allows the students to specialize in various fields of business and commerce. The programme is expected to contribute towards the provision of skilled and specialized personnel for various business organisations.

Eligibility:

Candidates are required to be at least a Graduate (B.Com./BBA) with a minimum of 2nd Division (45% marks in B.Com. and grade "C" in BBA).

Admission:

Admission will be made by the departmental admissions committee according to the admission/merit criteria laid down by the department. The detail of seats for this program is given in Chart No.1

Age:

Age of candidate should not exceed more than 40 years on the last date of the receipt of applications.

Detail of Courses

Ist Semester

MCM500 Management & Human Resource
 Management
 MCM501 Marketing Management
 MCM502 Economic Analysis and
 Managerial Economics
 MCM503 Accounting for Decision Making
 MCM504 Business Communication &
 Report Writing

2nd Semester

MCM550 Computer Applications in
 Business
 MCM551 Research Methods for Business

MCM552 Financial Management
 MCM553 Company Law & Secretarial
 Practice
 MCM554 Organizational Behavior

3rd Semester

MCM600 Quantitative Techniques for
 Business
 MCM601 Electronic Commerce
 MCM602 Advanced Managerial Accounting
 Two courses from the field of
 Specialization having 3 Credit
 Hours each.

4th Semester

MCM650 Operations & Production
 Management
 MCM651 Business Policy
 MCM652 International Business
 Two courses from the field of
 Specialization having 3 Credit
 Hours each.

Field of Specialization

Specialization of M.I.S.

MCM603 Programming Language
 (Visual Basic 6.0)
 MCM604 Web Page Development
 (Html & Front Page)
 MCM605 Systems Analysis & Data Base
 Management System
 MCM653 Network & Data Communication
 MCM654 Active Server Pages 3.0
 MCM655 Relational Data Base Management
 System

Specialization of Banking

MCM606 Practice & Law of Banking
 MCM607 Industrial Credit and Investment
 MCM608 Agriculture and Small Business
 Finance
 MCM656 Monetary Theory & Practices
 MCM657 Financing of Foreign Trade and
 Foreign Exchange

MCM658 Practices of Banking

Specialization of Finance

MCM609 Investment Analysis &
Portfolio Management
MCM610 Islamic Finance
MCM611 Financial Analysis
MCM659 Business Taxation
MCM660 Corporate Finance
MCM661 International Finance

Degree Pre-Requisites:

In addition to the successful completion of above mentioned four semesters, the students shall have to:-

- i) Undergo a 6-8 weeks Internship in an industrial/commercial limited organization. The internship would carry no weightage towards the calculation of CGPA. However, every student shall have to qualify the internship as a degree requirement.
- ii) Take a written Comprehensive Examination on major courses taught. Comprehensive Examination would have no weightage towards calculation of CGPA. However, every student shall have to qualify within three chances.

IV- M.Sc. Electronic Commerce (E-Commerce, Evening Programme)

The programme has been introduced in line with the going demand for education in the fields of information technology (IT) and e-commerce. This consists of the courses that can develop both the knowledge and skills in the fields of commerce, e-commerce and IT. A blend of courses from the fields of business, commerce and IT allows for the wider application of knowledge and absorption of graduates having this degree in various related fields.

Eligibility:

Candidates are required to be at least a Graduate (B.Com./ B.Sc. with Math./B.A. with Eco. or Math. or Stat./BBA/BCS) with a minimum of 2nd Division (45% marks in B.Com./B.Sc./B.A.) and grade "C" in BBA and BCS).

Admission:

Admission will be made by the departmental admissions committee according to the admission/merit criteria laid down by the department. The detail of seats for this program is given in Chart No.1

Age:

Age of candidate should not exceed more than 26 years on the last date of the receipt of applications.

Detail of Courses

Orientation Semester

| | |
|-----|-----------------------------------|
| O.1 | Computer Applications in Business |
| O.2 | Computer Architecture |
| O.3 | Computer Languages |
| O.4 | Business Communication |
| O.5 | Business Studies |

Ist Semester:

| | |
|--------|--|
| MEC500 | Introduction to Electronic Commerce |
| MEC501 | Programming in Visual Basic 6.0 & Active X Control |
| MEC502 | Marketing Management |
| MEC503 | Accounting for Decision Making |
| MEC504 | Programming in C/C++ |

2nd Semester:

| | |
|--------|--|
| MEC550 | Visual Studio. Net |
| MEC551 | Web Page Development (HTML, FrontPage, Java Script etc.) |

| | |
|--------|---------------------------------------|
| MEC552 | Quantitative Techniques for Business |
| MEC553 | Database Management & System Analysis |
| MEC554 | Network Essentials |

3rd Semester:

| | |
|--------|---|
| MEC600 | Principals of Management & Human Resource Management |
| MEC601 | Database Management System (PL/SQL) |
| MEC602 | E-Commerce Technologies & System designing for Internet Commerce. |
| MEC603 | Programming in JAVA |
| MEC604 | E-Commerce Strategies |

4th Semester:

| | |
|--------|---|
| MEC650 | Active Server Pages (ASP) & Java Server Pages (JSP) |
| MEC651 | Programming in Extensible Markup Language (XML) |
| MEC652 | Financial Management |
| MEC653 | Software Engineering |
| MEC654 | E-Commerce Project |

Degree Pre-Requisites:

In addition to the successful completion of above mentioned four semesters, the students shall have to:-

- i) Take a written Comprehensive Examination on major courses taught. Comprehensive Examination would have no weightage towards calculation of CGPA. However, every student shall have to qualify within three chances.

V- M. Phil. in Business Finance (Afternoon Programme)

In order to fulfill the needs of modern business, the department of Commerce has started a research programme of "M. Phil. in Business Finance". It aims to equip students with the specialised research skills and knowledge required for a career at a high level

within business and financial sector. In addition, the programme is expected to enable the students to undertake research independently in areas of business and finance. This programme would cover an advanced study and knowledge relating to the theory of financial markets and international firms. The course begins with a review of business and finance and proceeds to equip the students with the recent theoretical developments that draw extensively on business and finance both at the national and international levels.

Eligibility

- i) The entry requirement for this research degree program would be a master degree in related fields. Students who have successfully completed the MA/MSc programs with at least 50% marks or equivalent, in the areas of Commerce, Electronic Commerce, Economics, Business Economics, Business/Public administration, Accounting and Finance and Business Education would be entitled to seek admission in this course.

Admission:

Admission will be made by the departmental admission committee according to the admission/merit criteria laid down by the department. The detail of seats for this program is given in Chart No.1

Age:

There is no age limit for the candidates seeking admission in this course.

Detail of Courses

1st Semester

| | |
|--------------|------------------------|
| M. Phil.-701 | Economic Analysis |
| M. Phil.-702 | Business Finance |
| M. Phil.-703 | Corporate Finance |
| M. Phil.-704 | International Business |

2nd Semester

| | |
|--------------|---------------------------|
| M. Phil.-706 | Business Research Methods |
| M. Phil.-707 | Portfolio Management |
| M. Phil.-708 | International Finance |
| M. Phil.-709 | Business Econometrics |

3rd Semester

| | |
|---------------|-----------------|
| M. Phil.-710: | Research Thesis |
| M. Phil.-711: | Research Thesis |

4th Semester

| | |
|---------------|-----------------|
| M. Phil.-712: | Research Thesis |
| M. Phil.-713: | Research Thesis |

Rates of Special Admission Charges

Seats for the Session 2003-2004

| Sr. No. | Name of Department | Rate Per Seat |
|---------|--|----------------|
| 01. | M.A. (Economics) | Rs. 50,000/- |
| 02. | M.A. (Pakistan Studies) | Rs. 20,000/- |
| 03. | M.A. (Mass Communication) | Rs. 30,000/- |
| 04. | M.A. (Education) | Rs. 75,000/- |
| 05. | M.Sc. (Chemistry) | Rs. 50,000/- |
| 06. | M.Sc. (Mathematics) | Rs. 30,000/- |
| 07. | MCS | Rs. 1,50,000/- |
| 08*. | BS(CS) | Rs. 1,60,000/- |
| 09*. | BS(IT) | Rs. 1,60,000/- |
| 10. | BCS Winter | Rs. 2,00,000/- |
| 11. | M.Sc. (Physics) | Rs. 50,000/- |
| 12. | M.Sc. (Statistics) | Rs. 30,000/- |
| 13. | M.Sc. (Zoology) | Rs. 50,000/- |
| 14. | M.Sc. (Botany) | Rs. 50,000/- |
| 15. | M.A. (English) | Rs. 50,000/- |
| 16. | M.A. (Urdu) | Rs. 15,000/- |
| 17. | M.A. (Islamic Studies) | Rs. 15,000/- |
| 18. | MBA | Rs. 1,50,000/- |
| 19. | MBA(IT) | Rs. 1,50,000/- |
| 20. | M.Sc. (Accounting & Finance) | Rs. 50,000/- |
| 21. | M.Sc. Applied Psychology | Rs. 1,00,000/- |
| 22. | M.Sc. Sociology | Rs. 1,00,000/- |
| 23. | M.A. Philosophy | Rs. 1,00,000/- |
| 24. | M.A. (Political Science) | Rs. 30,000/- |
| 25. | M.A. (History) | Rs. 15,000/- |
| 26. | M.Ed. | Rs. 75,000/- |
| 27. | M.A. Arabic | Rs. 15,000/- |
| 28. | M.Sc. (Hons.) Agriculture (Agronomy, Horticulture, Entomology and PBG) | Rs. 75,000/- |

seats on Special Admission Charges, then it will be decided on merit from amongst the applicants of this category.

Eligibility

Only the candidates who have secured atleast 2nd Division in B.A./B.Sc./B.Com./B.B.A. or equivalent examination and also obtained 45% marks in the concerned subject are eligible for admission against the Special Admission charges seats.

Note: The candidates once admitted will not be entitled to claim the refund of the fee paid under Special Admission Charges scheme and other dues except library security but as provided in the rules.

* The candidates applying against Special Admission Charges seats in BS(CS), BS(IT) programmes are required to attached a bank draft of Rs. 1,00,000/- with the application in favour of Treasurer, Bahauddin Zakariya University, Multan. Rs. 30,000/- will be deposited in the 2nd semester and Rs. 30,000/- will be deposited in the 3rd semester.

Note: Special Admission charges for M.Phil Programme in all the subjects is Rs. 20,000/- per seat.

The Candidates apply for the seats under Special Admission Charges in the above disciplines are required to attach a bank draft of the amount mentioned above with the application in favour of Treasurer B.Z. University, Multan. If the University receives more applications than the number of

Schedule of Fee/Dues

For Master Classes, Session 2004-2005 Morning Programming

| M.A. (Semester-I) | Amount Rs. |
|--|-------------------|
| Total Fee and dues | 6,740/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 8,540/- |
| 2 nd Semester | 2,330/- |

| M.Sc. (Semester-I) (EXCEPT MCS & Mathematics) | |
|--|---------|
| Total Fee and dues | 7,070/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 8,870/- |
| 2 nd Semester | 2,330/- |

| MCS (Ist. Semester) | |
|--|---------|
| Total Fee and dues | 7,070/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 8,870/- |
| 2 nd Semester | 2,330/- |

| Additional Dues | |
|----------------------------|---------|
| Ist. Semester | 3,200/- |
| 2 nd . Semester | 2,700/- |

| M.Sc. Mathematics (Semester-I) | |
|--|---------|
| Total Fee and dues | 7,070/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 8,870/- |
| 2 nd Semester | 2,330/- |

| Additional Dues | |
|------------------------|---------|
| Computer Charges | 1,000/- |

| LL.B. Part-I | |
|--|---------|
| Total Fee and dues | 5,120/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 6,920/- |

| LL.M. | |
|--|-------|
| Total Fee and dues | ----- |
| Library Security (Refundable) | ---- |
| Registration Fee if not already registered | ----- |
| Total: | ----- |

| M.Sc. (Hons.) Agriculture | |
|--|---------|
| Total Fee and dues | 8,020/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 9,820/- |
| 2 nd . Semester | 2,950/- |

| MBA (1st & 2nd Semester) | |
|---|----------|
| Total Fee and dues | 9,400/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 11,200/- |
| Additional Dues | 1,035/- |
| Prep Semester | 1,500/- |

| M.Sc. Accounts & Finance (1st Semester) | |
|---|----------|
| Total Fee and dues | 8,940/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 10,740/- |
| 2 nd Semester | 2,330/- |

| Additional Dues | |
|----------------------------|-------|
| 1 st . Semester | 550/- |
| 2 nd . Semester | 550/- |

Note:- Students belonging to the Departments where computer is not part of their curriculum will pay a fee of Rs. 1000/- (once) for computer literacy programme.

Schedule of Fee/Dues

For M.Phil Classes for the Session 2004-2005

| M.Phil (Arts) (Ist. Semester) | |
|--|----------|
| Total Fee and dues | 13,920/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 15,720/- |
| 2 nd Semester | 13,500/- |

| M.Phil (Science) (Ist. Semester) | |
|--|----------|
| Total Fee and dues | 14,920/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 16,720/- |
| 2 nd Semester | 14,500/- |

| M.Phil (Pharmacy & Chemistry) Semester-I | |
|---|----------|
| Total Fee and dues | 15,420/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 17,220/- |
| 2 nd Semester | 14,500/- |

Note: After admission, fee paid will neither be refunded nor transferred.

Schedule of Fee/Dues

For Master Classes for the Session 2004-2005 Evening Programme

M.A.

Mass Communication/ International Relations

(Ist. Semester)

| | Amount Rs. |
|--|------------|
| Total Fee and dues | 14,290/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 16,090/- |
| 2 nd Semester | 9,430/- |

M.Sc. Applied Linguistics/

M.A. English/Education (Ist. Semester)

| | |
|--|----------|
| Total Fee and dues | 14,620/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 16,420/- |
| 2 nd Semester | 9,760/- |

MCS/MIT (Ist. Semester)

| | |
|--|----------|
| Total Fee and dues | 26,420/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 28,220/- |
| 2 nd Semester | 21,230/- |

Additional Dues

| | |
|--------------------------|---------|
| Ist. Semester | 3,200/- |
| 2 nd Semester | 3,200/- |

MS(TS) (Ist. Semester)

| | |
|--|----------|
| Total Fee and dues | 24,000/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |
| Total: | 25,800/- |
| 2 nd Semester | 24,000/- |

Additional Dues

| | |
|--------------------------|---------|
| Ist. Semester | 2,500/- |
| 2 nd Semester | 2,500/- |

MBA (IT)/MBA (Banking)

| | |
|--|----------|
| Total Fee and dues | 15,090/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|--------|----------|
| Total: | 16,890/- |
|--------|----------|

Additional Dues

| | |
|--------------------------|---------|
| 1 st Semester | 2,130/- |
| 2 nd Semester | 1,630/- |
| Prep Semester | 1,500/- |

M.Sc. Chemistry

| | |
|--|----------|
| Total Fee and Dues | 22,290/- |
| Library Security | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|--------------------------|----------|
| Total: | 24,090/- |
| 2 nd Semester | 16,430/- |

M.Sc. Sociology/Applied Psychology/M.A. Philosophy (Ist. Semester)

| | |
|--|----------|
| Total Fee and Dues | 11,290/- |
| Library Security | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|--------------------------|----------|
| Total: | 13,090/- |
| 2 nd Semester | 6,430/- |

Additional dues

| | |
|--------------------------|---------|
| 1 st Semester | 2,130/- |
| 2 nd Semester | 1,630/- |
| Prep Semester | 1,500/- |

M.Com/MBE/M.Sc. E-Commerce

| | |
|--|----------|
| Total Fee and dues | 18,390/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|---------------------------------|----------|
| Total: | 20,190/- |
| 2 nd Semester | 13,530/- |
| Prep Semester M.Sc. E- Commerce | 2,500/- |

Additional Dues

| | |
|--------------------------|-------|
| 1 st Semester | 550/- |
| 2 nd Semester | 550/- |

M.Sc. Economics

| | |
|--|----------|
| Total Fee and Dues | 19,120/- |
| Library Security | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|--------------------------|----------|
| Total: | 20,920/- |
| 2 nd Semester | 13,930/- |

Fine Arts

| | |
|--|----------|
| Total Fee and dues | 17,290/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|-----------------|----------|
| Total: | 19,090/- |
| Additional Dues | 2,130/- |
| Prep Semester | 1,500/- |

Note: After admission fee paid will neither be refunded nor transferred.

M.Sc. Physics (1st Semester)

| | |
|--|----------|
| Total Fee and Dues | 16,490/- |
| Library Security | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|--------------------------|----------|
| Total: | 18,290/- |
| 2 nd Semester | 11,630/- |

M.Sc. Statistics (1st Semester)

| | |
|--|----------|
| Total Fee and dues | 16,290/- |
| Library Security (Refundable) | 1,100/- |
| Registration Fee if not already registered | 700/- |

| | |
|--------------------------|----------|
| Total: | 18,090/- |
| 2 nd Semester | 10,430/- |

Note: After admission, fee paid will neither be refunded nor transferred.

Hostel Dues

| | | | |
|-----|---------------------------------|--------|---------------------|
| 1. | Room Rent | | |
| | a) Cubical | 70/- | Per head, per month |
| | b) Double allotment | 55/- | per head, per month |
| 2. | News Papers and Magazine | 25/- | per head, per month |
| 3. | Electricity Charges | 125/- | per head, per month |
| 4. | Medical Fee | 30/- | per head, per month |
| 5. | Utensil Fee | 100/- | per head, per month |
| 6. | Hostel Security | 550/- | Refundable |
| 7. | Electricity Security | 110/- | Refundable |
| 8. | Mess Advance (where applicable) | 1500/- | Refundable |
| 9. | Gas Charges | 75/- | per head, per month |
| 10. | Common Room Fee | 25/- | per head, per month |
| 11. | Maintenance Charges | 330/- | Once a year |
| 12. | Telephone Charges | 100/- | Once a year |

Fee Rates For Foreign Students

| Subject | Fee Amount |
|---|--------------------------------------|
| B.A./B.Sc. Undergraduate | Rs. 40,000/-or equal amount in US \$ |
| M.A./Arts, Education, Law/Commerce etc. M.Phil/Ph.D. | Rs. 40,000/-or equal amount in US \$ |
| MBA/Computer | Rs. 55,000/-or equal amount in US \$ |
| M.Sc./M.Phil/Ph.D. all science subjects | Rs. 63,000/-or equal amount in US \$ |
| Engineering | Rs. 300,000/- or US \$ 7000/- |
| Agriculture | Rs. 90,000/- or US \$ 1500/- |
| Medicine/Dentistry | Rs. 400,000/- or US \$ 10,000/- |

Postgraduate: Break-up of Enrollment (Seats for Each Course) (Chart No.1)

| | Maximum No. of Seats. | Seat on Special Admission Charges. | Open Merit Seats. | Seats for Graduates of B.Z. University, Multan | Foreign Students. | Seats for children of shaheeds/War disabled/Retired/Working Defence Personnel. | Seats for student from Azad Kashmir Gilgit & Baltistan. | Seats for Army personnel. | Seat reserved for real Son/Daughter of Working/Retired/Deceased Employees other than Teachers of B.Z. University. | Seats reserved for real Son/Daughter of Working/Retired/Deceased Teachers of B.Z. University. | Disabled candidates | Serving University Teacher/Serving University Employee. | Miscellaneous. | Sports |
|--|-----------------------|------------------------------------|-------------------|--|-------------------|--|---|---------------------------|---|---|---------------------|---|-----------------|--------|
| Subject | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Economics (Morning) | 71 | 20 | 20 | 20 | 02 | 01 | 01 | 01 | 02 | 02 | 01 | | -- | 1 |
| (Afternoon) | 64 | 20 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | -- | | -- | |
| Education (Morning) | 69 | 20 | 20 | 20 | 02 | 01 | -- | -- | 02 | 02 | 01 | -- | -- | 1 |
| (Evening) | 64 | 20 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | -- | | -- | |
| History (Morning) | 71 | 20 | 20 | 20 | 02 | 01 | 01 | 01 | 02 | 02 | 01 | -- | -- | 1 |
| Pakistan Studeis (Morning) | 70 | 20 | 20 | 20 | 01 | 01 | 01 | 01 | 02 | 02 | 01 | -- | -- | 1 |
| Pol. Science & International Affairs (Morning) | 71 | 20 | 20 | 20 | 01 | 01 | 1+1 | 01 | 02 | 02 | 01 | | -- | 1 |
| International Relations (Evening) | 54 | -- | 25 | 25 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| Mass Communication (Morning) | 68 | 20 | 20 | 20 | 02 | -- | -- | -- | 02 | 02 | 01 | -- | -- | 1 |
| (Evening) | 64 | 20 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | -- | | -- | |
| Library & Information Science (Evening) | 47 | -- | 20 | 20 | -- | -- | -- | -- | 02 | 02 | 01 | 01 | -- | 1 |
| Botany (Morning) | 68 | 20 | 20 | 20 | 02 | -- | -- | -- | 02 | 02 | 01 | -- | -- | 1 |
| Zoology (Morning) | 68 | 20 | 20 | 20 | 02 | -- | -- | -- | 02 | 02 | 01 | -- | -- | 1 |
| (Evening) | 74 | -- | 35 | 35 | -- | -- | -- | -- | 02 | 02 | -- | | -- | |
| Chemistry (Morning) | 71 | 20 | 20 | 20 | 02 | 01 | 1+1 | -- | 02 | 02 | 01 | -- | -- | 1 |
| (Evening) | 60 | **01 | 27 | 28 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| Mathematics | 70 | 20 | 20 | 20 | 02 | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| A) Computer Science (Morning) | 69 | 20 | 20 | 20 | 2+1* | -- | -- | 01 | 02 | 02 | 01 | -- | -- | 1 |
| (Evening) | 54 | -- | 23 | 22+*5 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| B) MIT (Evening) | 64 | -- | 30 | 30 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| C) M.Sc. (TS) (Evening) | 42 | | 40 | | | | | | | | | | 02 ¹ | |

Postgraduate: Break-up of Enrollment (Seats for Each Course) (Chart No.1)

| Subject | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--|-------------|--------|---|-------|-----|------|----|----|----|----|----|----|-----|----|----|
| Physics | (Morning) | 70 | 20 | 20 | 20 | 02 | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| | (Evening) | 44 | -- | 20 | 20 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| Statistics | (Morning) | 71 | 20 | 20 | 20 | 02 | 01 | 01 | 01 | 02 | 02 | 01 | -- | -- | 1 |
| | (Evening) | 45**** | Open Merit + 5 (Five seats for PGD CP & CS of Statistics) | | | | | | | | | | | | |
| Arabic | (Morning) | 70 | 20 | 20 | 20 | 02 | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| Islamic Studies | (Morning) | 70 | 20 | 20 | 20 | 02 | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| English | (Morning) | 71 | 20 | 20 | 20 | 02 | 01 | 01 | 01 | 02 | 02 | 01 | -- | -- | 1 |
| | (Evening) | 64 | 20 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| Applied Linguistics | (Evening) | 44 | 40 | -- | -- | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | |
| Urdu | (Morning) | | 69 | 20 | 20 | 20 | 02 | 01 | 01 | -- | 02 | 02 | 01 | -- | -- |
| Institute of Management Sciences | | | | | | | | | | | | | | | |
| (i) M.B.A. | (Morning) | 74 | 20 | 20 | 20 | 04 | 01 | 01 | 01 | 02 | 02 | 01 | -- | 1 | 1 |
| (ii) M.B.A. (IT) | (Evening) | 59 | 20 | 15+*4 | 15 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | -- |
| (iii) M.B.A. (Banking) | (Evening) | 41 | -- | 28 | -- | -- | -- | -- | -- | 02 | 02 | -- | -- | 08 | -- |
| (iii) Sociology | (Evening) | 56 | 10 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | 01 | -- | -- | -- |
| (iv) Applied Psychology | (Evening) | 56 | 10 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | 01 | -- | -- | -- |
| (v) Fine Arts | (Evening) | 28 | -- | 12 | 13 | -- | -- | -- | -- | 01 | 01 | -- | -- | -- | -- |
| (vi) Philosophy | (Evening) | 55 | 10 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | -- | -- | -- | -- |
| L.L.B. Part-I Fresh In Service | | 354 | 20 | 110 | 110 | 02 | 03 | 04 | 02 | 02 | 02 | 01 | | 4 | 4 |
| | | 10 | 80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| L.L.M. | | 20 | Merit Seat 14, Teacher/Employees 1, Reserved for Female 5 | | | | | | | | | | | | |
| Department of Commerce | | | | | | | | | | | | | | | |
| i). M.Sc. (Accounting & Finance) | (Morning) | 66 | 20 | 20 | 20 | -- | -- | -- | -- | 02 | 02 | 01 | -- | -- | 1 |
| ii). M.B. (Econ) | (Afternoon) | 55 | | 25 | 25 | -- | -- | -- | -- | 02 | 02 | 01 | -- | -- | |
| iii). M.Sc. in Electronic Commerce | (Evening) | 55 | | 24 | 24 | -- | -- | -- | -- | 02 | 02 | 01 | 1+1 | -- | |
| iv). M.Com. | (Evening) | 57 | | 25 | 25 | ***2 | -- | -- | -- | 02 | 02 | 01 | -- | -- | |
| Univ. College of Agriculture | | | | | | | | | | | | | | | |
| M.Sc. (Hons.) Horticulture | (Morning) | 34 | 6 | 10 | 10 | -- | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| M.Sc. (Hons.) Agronomy | (Morning) | 34 | 6 | 10 | 10 | -- | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| M.Sc. (Hons.) Entomology | (Morning) | 34 | 6 | 10 | 10 | -- | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |
| M.Sc. (Hons.) Plant Breeding & Genetics | (Morning) | 26 | 6 | 6 | 6 | -- | 01 | 01 | -- | 02 | 02 | 01 | -- | -- | 1 |

- Note:** * Four(4) seats for professional degree holder in MBA (IT).
 ** One Seat for Industry on donation basis in Department of Chemistry.
 *** 2 Seats for Rawanda students.
 **** Having at least 30 students shall only start the programme.
 1 Working Employee of Department of Computer Science

- Note:**
- If any seat under the category of Special Admission Charges/Reserved/Disabled/remains unfilled, it will not be converted to merit seat.
 - 50% seats on Special Admission Charges are reserved for graduates of B.Z. University, Multan. Unfilled seat if any will be offered to other candidates applying under Special Admission Charges with the approval of the Vice-Chancellor.
 - In column No.07, the allocation of seats for the nominees of Azad Kashmir are in the following disciplines:-

| Sr. No. | Name of Subject | No. of Seats |
|---------|-------------------------|--------------|
| 1. | Economics | 01 |
| 2. | Pakistan Studies | 01 |
| 3. | Pol. Science | 01 |
| 4. | Chemistry | 01 |
| 5. | Mathematics | 01 |
| 6. | Physics | 01 |
| 7. | Arabic | 01 |
| 8. | English | 01 |
| 9. | Islamic Studies | 01 |
| 10. | Urdu | 01 |
| 11. | Business Administration | 01 |
| 12. | Law (L.L.B. Part-I) | 03 |
| 13. | Agronomy | 01 |
| 14. | Horticulture | 01 |
| 15. | Entomology | 01 |
| Total: | | 17 |

In column No.07, the allocation of seats for the nominees of Northern Area (Gilgit & Baltistan) is in the following disciplines:-

| Sr. No. | Name of Subject | No. of Seats |
|---------|---------------------|--------------|
| 1. | History | 01 |
| 2. | Pol. Science | 01 |
| 3. | Chemistry | 01 |
| 4. | Statistics | 01 |
| 5. | Law (L.L.B. Part-I) | 01 |
| Total: | | 05 |

- * Under Column 4 (Computer Science) five seats are reserved for the candidates passing P.G.D. in computer applications from the Department of Computer Science, B.Z. University, Multan.
- Under Column – 5, two seats have been reserved for the students of the Rawanda on self finance basis on the nomination of the Governemnt of Pakistan in the discipline of M.Com. One seat has been reserved for the student of Bangladesh.
- Under column No.13 (i). One seat in M.B.A. Morning for the children of Kashmiri (IHK persons displaced after 1989).
- Four seats in L.L.B. Part-I for the children of Kashmiri (IHK persons displaced after 1989)
- Number of seats for foreign candidates can be revised/ increased with the approval of the Vice-Chancellor on the nomination of Govt. of Pakistan on Special Admission Charges basis.

M.Phil: (Break-up of Enrollment Seats) for Each Course

| Subjects | Open Merit Seats | Seats for candidates Passing M.A. / M.Sc. Exam. from B.Z. University | Reserved Seat for Son/Daughter of University Teachers/ Employees | Reserved seat for working University Teachers. |
|-----------------------------|------------------|--|--|--|
| Arabic | 8 | 8 | 1 | 1 |
| Botany | 8 | 8 | 1 | 1 |
| Business Finance (Commerce) | 8 | 8 | 1 | 1 |
| Chemistry | 8 | 8 | 1 | 1 |
| Economics | 8 | 8 | 1 | 1 |
| Education | 8 | 8 | 1 | 1 |
| English | 8 | 8 | 1 | 1 |
| History | 8 | 8 | 1 | 1 |
| Pakistan Studies | 8 | 8 | 1 | 1 |
| Islamic studies | 8 | 8 | 1 | 1 |
| Mathematics | 8 | 8 | 1 | 1 |
| Physics | 8 | 8 | 1 | 1 |
| Political Science | 8 | 8 | 1 | 1 |
| Statistics | 8 | 8 | 1 | 1 |
| Sociology | 8 | 8 | 1 | 1 |
| Psychology | 8 | 8 | 1 | 1 |
| Urdu | 8 | 8 | 1 | 1 |
| Zoology | 8 | 8 | 1 | 1 |
| | | | | |

Pharmacy: (Break-up of Enrollment Seats) for Each Course

| Subjects | Open Merit Seats | Seats for candidates Passing B.Pharm. Exam. from B.Z. University | Reserved Seat for Son/Daughter of University Teachers/ Employees | Reserved seat for working University Teachers. |
|--------------------------|------------------|--|--|--|
| Pharmaceutical Chemistry | 8 | 8 | 1 | 1 |
| Pharmaceutics | 8 | 8 | 1 | 1 |
| Pharmacology | 8 | 8 | 1 | 1 |
| Pharmacognosy | 8 | 8 | 1 | 1 |

Telephone Directory

Bahauddin Zakariya University

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Multan.

Exchange: (061) 9210071-5

Telegram: "UNIVZAKARIYA"
Fax: (061) 9210098, 9210068
E-mail:
register@zakuniv.bzu.nahe.uunet
Web Site: www.bzu.edu.pk

*Vice-Chancellor's Office
Secretary to the Vice Chancellor
Malik Ashiq Muhammad
Off: 9210070
Ext/1069
Res: 556645

Registrar's Section
Registrar
Khurshid Ahmad Khan
Off: 9210097, 9210124
Res: 543888, 514416
Mob.: 0300-6332098

P.S. to Registrar
Abdur Rashid Bhutta
Off: Ext/1101

Deputy Registrar (Admin)
Muhammad Younis Tahir
Off: Ext/1107

Deputy Registrar (General)
Malik Muneer Hussain
Off: Ext/1116
Res: 220750

Director
*Planning & Development Cell
Muhammad Shafiq Ch.
Off: 9210102
Res: 523239

OSD (Acad.)
Zawar Hussain Shah
Ext/1125
Res: 223708

Asstt. Registrar (Acad)

Asstt. Registrar (Regn)
G. A. Awan
Off: Ext/1120

Asstt. Registrar (Gen)
Off: Ext/1125

*Examination Section
Controller of Examination
Waqar Ahmad Qureshi
Off: 9210079
Ext/1201
Res: 515136

Deputy Controller (Tab)
Dur Muhammad Khan
Off: 9210114
Off: Ext/1201

Deputy Controller
Mr. Muhammad Nawaz

OSD (Secrecy)
S. Zahoor Ahmad Bokhari
Off: 9210059
Res: 532255

Deputy Controller (Degree Cell)
Muhammad Nawaz Ch.
Off: Ext/1201

Asstt. Controller (Conduct)
M. Javaid Hashim
Off: 9210114
Ext/1201
Res: 220315

Asstt. Controller
Rana Muhammad Afzal
Off: 9210114
Ext/1201
Res: 784478

Incharge Public Relations/Publications
Khurshid Ahmad Khan
Off: 9210124
Ext/1122
Res: 543888, 514416
Mob.: 0300-6332098

Incharge Computer Cell
Mumtaz Ahmad Sheikh
Off: Ext/1107
Res: 542990

* Accounts Section
Treasurer
Dr. Mahmood Ahmad
Off: 9210057
Ext/1301
Res: 524250

Deputy Treasurer
Aziz-Ur-Rehman Chaudhry
Ext/1303
Res: 522250

Deputy Treasurer
Raja Muhammad Yousaf
Off: Ext/1304
Res: 220245

Senior Administrative Officer
Sohaib Rashid Khan
Ext: 1304
Res: 224155

Asstt. Treasurer

Ch. Maqsood Ahmad

Ext: 1303

Res: 220246

* Engineering Wing

Project Director

Muhammad Sarfraz Ahmad Chaurdhry

Off: 9210122

Ext/1401

University Engineer

Talat Mahmood

Off: 9210131

Ext/1401

Res: 523161

Resident Auditor

Muhammad Akram

Off: 9210120

Ext/1329

Res: 555177

Director Sports

Turs Mohy-ud-Din

Ext/1920

Res: 524611

Assistant Directress Sports

Mrs. Parveen Akhtar

Ext/1921

Res: 524816

Chairman Transport Committee

Prof. Dr. Muhammad Ashraf

Off: 9210115

Off: Ext/2101

Res: 221155

Incharge Arboriculture

Dr. Din Muhammad Zahid Khan

Associate Prof. of Forestry & Range

Management

Res: 223756

Resident Officer

Dr. Muhammad Ali

Associate Prof.

Institute of Pure & Applied Biology

Off: 9210106

Ext/1501

Res: 224849

* University Printing Press

Superintendent

Zulfiqar Ali Bhatti

Off: 9210107

Ext/1411

Res: 582005

* Miscellaneous

University House

Main Gate (through exchange)

Ext/1080

Transport Office

Off: 9210132

Ext/1710

* Hostels

Abdu Bakar Hall (Boys) 9210061 Ext/1711

Umar Hall (Boys) 9210062 Ext/1712

Usman Hall (Boys) 9210063 Ext/1713

Hamza Hall (Boys) 9210064 Ext/1714

Ali Hall (Boys) Ext/1715

Marriam Hall (Girls) 9210065 Ext/1716

Fatima Hall (Girls) 9210066 Ext/1717

Ayisha Hall (Girls) 9210067 Ext/1718

Amna Hall (Girls) 9210077 Ext/1719

* Medical Unit

Medical Officer

Senior Dr. Aftab Shabbir Warraich

Ext/1421

Res: 220269

Dr. Samina Waseem

Res: 223131

* Library

Librarian

Ch. Maqbool Ahmad

Off: 9210127

Ext/1901

Res: 224112

Deputy Librarian

M. Abdul Majeed

Off: 9210126

Ext/1901

Res: 223836

Manager HBL New Campus

Muhammad Khalid Rafique

Off: 9210123

Ext/1701

Res: 541051

Estate Officer

Zahid Iqbal Khan

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Res: 522037

Mob.: 0300-7304752

Security Officer

Zahid Iqbal Khan

Off: Ext/1703

Res: 522037

Mob.: 0300-7304752

Purchase Officer

Mr. Aziz-ul-Hassan

Off: Ext/1305

Res: 525243

Admission Schedule Session, 2004-2005 (Morning)

The schedule for admission to M.A./M.Sc. (Arabic, Applied Psychology, Botany, Business Administration (MBA), MBA(IT), MBA(Banking), Chemistry, Computer Science(MCS), Economics, Education, English, History, Islamic Studies, M.Sc. (Accounting & Finance), LL.B., LL.M, Mass Communicatio, Mathematics, M.Sc. (Hons.) Agriculture in Agronomy, Entomology, Horticulture and Plant Breeding & Genetics, Pak. Studies, Political Science, Physics, Sociology, Statistics, Urdu and Zoology, Philosophy and Fine Arts class for the session, 2004-2005 is as follows:-

1. Last date for receipt of applications.
01-10.2004 (Friday)
2. Entry test for MBA, MBA(IT), MBA(Banking), MCS & MIT (Computer Science), M.Sc. (Hons.) Agri., M.Sc. Accounting & Finance
03-10-2004 (Sunday)
3. Merit list No.1 of selected candidates.
05-10-2004 (Tuesday)
4. Last date for payment of dues the selectees of 1st Merit List.
07-10-2004 (Thursday)
5. Merit list No.2
08-10-2004 (Friday)
6. Last date for payment of dues the selectees of second merit list.
09-10-2004 (Saturday)
7. Merit list No.3.
11-10-2004 (Monday)
8. Last date for payment of dues the selectees of the 3rd merit list.
12-10-2004 (Tuesday)

9. Merit list No.4.
14-10-2004 (Thursday)
10. Last date for payment of dues the selectees of 4th merit list.
15-10-2004 (Friday)
11. Merit list No.1 of selected candidates for seats on Special Admission Charges.
16-10-2004 (Saturday)
12. Last date for payment of dues the selectees of Merit List No.1 against the seat on special admission charges.
18-10-2004 (Monday)
13. Merit list No.2 for seats on Special Admission Charges.
19-10-2004 (Tuesday)
14. Last date for payment of dues the selectees of list No.2 on Special Admission Charges.
20-10-2004 (Wednesday)
15. **Class work will start from:**
15-10-2004 (Friday)

Note:

Lists of selected candidates will be displayed only on the Notice Board of concerned Department/Institute/Centre/Constituent Colleges on the date announced in the admission schedule. The candidates are, therefore, advised to see the Notice Board of the respective Department/Institute/Centre/Constituent Colleges for information regarding provisional admission/withdrawal or cancellation of admission in a Department/Institute/Centre/Constituent Colleges.

Candidates will not be informed individually

about their provisional admission/withdrawal or cancellation of admission and the University, therefore, will not accept any responsibility in this regard.

Information about conversion of seats from one category to the other category if any will be displayed on the Notice Board of the concerned Department/Centre/ Institute/ Constituent College only upto one day before the start of classes.

Last date for payment of dues for the candidates of University Law College will be the next day given in the above schedule.

Admission Schedule

Session, 2004-2005 (Evening)

Admission Schedule under evening programme for the disciplines for Chemistry, Economics, Physics, Statistics, Zoology, Computer Science (MIT), M.Sc. E.-Commerce, M.Com, M.A. (Business Economics), Education, English, Mass Communication, International Relations, M.Sc. Applied Linguistics (English) and Library & Information Science for the session, 2004-2005.

1. Last date for receipt of applications.
01-10-2004 (Friday)
2. Entry test for MBA, MBA(IT), MBA(Banking), MCS & MIT (Computer Science), M.Sc. (Hons.) Agri. M.Sc. E-Commerce, M.Com, M.B. Economics
03-10-2004 (Sunday)
3. Merit list No.1 of selected candidates.
16-10-2004 (Saturday)
4. Last date for payment of dues the selectees of 1st Merit List
19-10-2004 (Tuesday)
5. Merit list No.2
20-10-2004 (Wednesday)
6. Last date for payment of dues the selectees of 2nd Merit List.
21-10-2004 (Thursday)
7. Merit list No.3.
22-10-2004 (Friday)
8. Last date for payment of dues the selectees of 3rd Merit List.
23-10-2004 (Saturday)

9. Merit list No.4.
25-10-2004 (Monday)

10. Last date for payment of dues the selectees of 4th Merit List.
27-10-2004 (Wednesday)

15. **Class work will start from:**
25-10-2004 (Monday)

Note:

Lists of selected candidates will be displayed only on the Notice Board of concerned Department/Institute on the date announced in the admission schedule. The candidates are, therefore, advised to see the Notice Board of the respective Department/Institute for information regarding provisional admission/withdrawal or cancellation of admission in a Department/Institute.

Candidates will not be informed individually about their provisional admission/withdrawal or cancellation of admission and the University, therefore, will not accept any responsibility in this regard.

Information about conversion of seats from one category to the other category if any will be displayed on the Notice Board of the concerned Department/Institute only upto one day before the start of classes.

AFFIDAVIT

(UNDERTAKING)

Space for Judicial Stamp
of Rs.5/-

A) Affidavit of Mr./Miss/Mrs. _____

Son/Daughter/Wife of Mr. _____

Caste _____ Resident of _____

(1) The deponent declares on Oath/solemn affirmation that Mr./Miss _____ is his/her real

(2) The deponent declares on oath/solemnly affirms at _____ on _____ that his declaration is true that it conceals nothing and that no part of it is false.

DEPONENT

* for Kinship seat

Attested by:

Magistrate or Oath Commissioner/
Gazetted Officer

Service Verification

It is verified that Mr./Miss/Mrs. _____ is/has been an employee/teacher of Bahauddin Zakariya University, and his/her period of regular service or deputation is _____

Assistant Registrar (Admin)/or
Deputy Registrar (Admin)

AFFIDAVIT

(UNDERTAKING)

Space for Judicial Stamp
of Rs.5/-

A) Affidavit of Mr. /Miss/Mrs. _____
Son/Daughter/Wife of Mr. _____
Caste _____ Resident of _____

- (1) The deponent declares on oath/solemn affirmation that if admitted in the university as student, he will never indulge in 'Politics', will not bring or keep any type of weapons within the university premises, will not hold a gathering, or meeting, or take out processions in any part of university campus, will not allow or abett the entry to the premises of university of expelled students, anti-social elements or other groups whose presence on the campus could cause conflict amongst the students.
- (2) The deponent declares on oath/solemn affirmation and undertakes that he will not challenge the finding/decision of the Head of the Institution regarding his expulsion, rustication from the University or cancellation of his admission at any stage whatsoever, before any Court, Tribunal, Authority or Forum other than the Supreme Court of Pakistan.

DEPONENT

The deponent swears/solemnly affirms at _____ on _____
that his declaration is true, that it conceals nothing and that no part of it is false.

DEPONENT

B) Affidavit of Mr. _____ Father/Guardian/Husband of
Mr./Miss/Mrs. _____ Caste _____
Resident of _____

The deponent declares at _____ on _____ on oath/solemn affirmation to the best of his knowledge that whatever is declared above by his son/daughter/wife, Mr./Miss/Mrs. _____ is true, that it conceals nothing, that no part of it is false, and that he undertakes not to challenge the finding/decision of the Head of the Institution regarding the expulsion or rustication of his son/daughter/wife from the University, or cancellation of admission of his son/daughter/wife, before any Court, Tribunal, Authority and Forum other than the Supreme Court of Pakistan.

Attested by:
Magistrate or Oath Commissioner/
Gazetted Officer.

DEPONENT



