



# UNIVERSITY of BRADFORD

## University of Bradford Transcript

This document is an official University of Bradford transcript.

1. Personal Details							
Name of Student	Muhammad Ayub Khan	Date of Birth	11/10/1996				
University Reference	11029324	Intake Year	2011-12				
2. Programme of Study and Qualification Sought							
Qualification	Bachelor of Science (Hons)						
Teaching Institution	Namal College, Pakistan						
Partner Institution	School of Electrical Engineering & Computer Science, University of Bradford						
Programme Title	Computer Science						
Language(s) of Instruction	English						
Language(s) of Assessment	English						
3a. Contents of the Programme of Study and Results Achieved							
Year	Module Code	Module Title	Semester	Marks	Result	Credits	ECTS Credits
1	NC0001L	English -1	1, 2	53.60	P	20	10
1	NC0002L	English -2	1, 2	58.50	P	20	10
1	NC0004D	Mathematics 1	1	76.90	P	20	10
1	NC0003D	Intro to Computing	1	94.50	P	10	5
1	NC0005M	Intro to Programming	2	94.90	P	10	5
1	NC0007D	Software Design and Applications	2	59.00	P	20	10
1	NC0006M	Mathematics 2	2	62.40	P	20	10
2	CM-0107L	Computer Architecture and Systems Software	1, 2	88.00	P	20	10
2	CM-0111L	Formal Foundations	1, 2	75.00	P	20	10
2	CM-0113L	Developing Professional Skills	1, 2	70.00	P	20	10
2	CM-0116D	Software Development (Part 1)	1	64.00	P	20	10
2	CM-0117D	Software Development (Part 2)	2	70.00	P	20	10
2	CM-0202M	Foundations of Human Computer Interaction	1	45.00	P	10	5
2	CM-0211M	Introduction to Web Technologies	2	59.00	P	10	5
3	CM-0224D	Databases and Interfaces	1	72.50	P	20	10
3	CM-0304D	Software Engineering with Group Project	1	76.00	P	20	10
3	CM-0315L	Computer Communications and Networks	1, 2	56.00	P	20	10
3	CM-0316L	Data Structures and Algorithms	1, 2	64.00	P	20	10
3	CM-0318L	Symbolic and Declarative Computing and Artificial Intelligence	1, 2	48.00	P	20	10
3	CM-0415L	Computer Architecture and Systems Software 2	1, 2	67.00	P	20	10
4	CM-0328D	AI for Games	1	49.00	P	20	10
4	CM-0340D	Neural Networks and Fuzzy Systems	2	61.00	P	20	10
4	CM-0347K	Final Year Project	1, 2	61.00	P	40	20
4	CM-0359D	Large Scale Data Driven Applications	2	51.00	P	20	10
4	CM-0518D	Concurrent and Distributed Systems	2	35.00	CS	20	10
4	CM-0606D	Decision Support Systems	1	76.00	P	20	10
<b>Total credits gained/Total ECTS</b>						500	250
3b. Qualification Achieved							
Overall Average	Award Average	Classification	Date of Award				
57.50	63.00	Second Class Honours First Division	December 3, 2015				
4. Transcript Certification							
Date Of Issue	Signature and Stamp						
Authorised By	Dr. Irfan Awan						
Official Post	Head, School of Electrical Engineering and Computer Science						
Further Information	<a href="https://edocs.bradford.ac.uk">https://edocs.bradford.ac.uk</a>						

## 6. University Regulations

### Programmes, modules, credits and levels

Each programme of study at the University of Bradford is made up of a number of modules, taken at different stages of the programme. Modules are available in multiples of ten credits. Each 10-credit module requires the average student to undertake approximately 100 hours of study, including contact time. This means that a full-time undergraduate student will study for about 1200 hours in an academic year, spread over 30 weeks {2 semesters}; a postgraduate will study for an additional 600 hours in a third trimester, usually on a project.

Each module has a designated level, which reflects how advanced the material is. Usually, the level is the same as the stage number (the year) in which the module is taken.

For each award, some modules are compulsory and some optional. Students may take some elective modules, which may not be related directly to their award but which address an area that is of interest to them (such as studying a language).

The curriculum for each programme of study is described in a programme specification, which designates the title, credit value, level, stage and semester of each module, and whether it is compulsory or optional.

### Progression and Award

A student is permitted two attempts at each module, the initial one and one supplementary assessment, as of right. A third attempt will be granted if a student achieves 80 credits at 40% and has undertaken the second attempt. One further attempt (total of 4, including the initial attempt) is at the discretion of the Board of Examiners according to their School algorithm for fourth attempts. The best mark is used to determine the amount of credit achieved and whether a student meets the progression criteria. Following supplementary assessment, a capped mark of 40% (or the original mark if higher) is used to calculate degree classifications and eligibility for an award with merit or distinction, where appropriate. If an assessment is not taken at the first attempt, without good cause, or is handed in late, a mark of zero is awarded (which is used in the calculations for classification). If a mark is not achieved, at the first attempt, a numbered subscript shows the bona fide attempt number next to the mark on the transcript.

Postgraduate awards in the School of Management use a grading system rather than numeric marking. Module results are graded as follows:

AD - Pass with distinction

B - Pass with merit

C - Pass

D - Marginal fail

EF - Fail

Awards are made as follows:

Master's degree: at least 160 credits at C or above.

Postgraduate Diploma: at least 100 credits at C or above.

Postgraduate Certificate: at least 40 credits at C or above.

### Awards (including those that are accredited by external bodies)

Once a student has completed a specified number of credits, she is entitled to an award of the University (see Ordinance 2 at <http://www.bradford.ac.uk/aqpo/ordinances-and-regulations/>).

Many of our awards are accredited by professional, statutory and regulatory bodies, which often have requirements additional to the general regulations of the University applied to programmes of study (such as students having to pass both the theory and practice components of a module's assessment, or having to pass a particular module with a minimum overall mark). Where there are such exceptions, these are referred to in the programme specification. Such awards may also restrict the number of electives that can be taken.

### More Information

More information is available on the University's web-site: <http://www.bradford.ac.uk/aqpo/ordinances-and-regulations/> for taught course regulations; <http://www.bradford.ac.uk/academic-quality-unit/programme-specifications/> for programme specifications (available by year of entry to the appropriate award); Below are links to the Quality Assurance Agency for Higher Education <http://www.qaa.ac.uk/AssuringStandardsAndQuality/quality-code/Pages/UK-Quality-Code-Part-A.aspx> <http://www.qaa.ac.uk/Publications/InformationAndGuidance/Pages/quality-code-A2.aspx> <http://www.qaa.ac.uk/Publications/InformationAndGuidance/Pages/quality-code-A3.aspx> <http://www.bradford.ac.uk/academic-quality-unit/quality-assurance-handbook/> <http://www.bradford.ac.uk/academic-quality-unit/codes-of-practice/> for the University's response to the national Code of practice Place(s) of study: (will vary: e.g. Management Development Institute of Singapore, Indian Institute for Learning in Management)