BCS -FA07

COMSATS Institute of Information Technology (CIIT)

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No. CIIT/DoA/OO/2010/ 467

Wednesday, July 29, 2010

OFFICE ORDER

(No. 65 of 2010)

The students of COMTSATS Institute of Information Technology admitted in Fall 2007 batch are allowed to follow the following Scheme of Studies of BSCS:

Scheme of Studies

Scheme of Studies

Semester 1-Fall 2007

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
HUM110	Islamic Studies	3 (3 0)	
HUM100	English Comprehension and Composition	3 (3 0)	
EEE121	Electric Circuit Analysis - I	4 (3 1)	
CSC103	Introduction to Computers and Programming	4 (3 1)	
MTH104	Calculus and Analytical Geometry	3 (3 0)	
		17(15,2)	

Semester 2-Spring 2008

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
HUM111	Pakistan Studies	3 (3 0)	
EEE231	Electronics - I	4 (3 1)	EEE121
MTH105	Multivariable Calculus	3 (3 0)	MTH104
CSC102	Discrete Structures	3 (3 0)	
HUM102	Report Writing Skills	3 (3 0)	HUM100
CSC112	Algorithms and Data Structures	4 (3 1)	CSC103
		20(18,2)	

Semester 3-Fall 2008

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
HUM103	Communication Skills	3 (3 0)	HUM100
CSC271	Database Systems	4 (3 1)	CSC112
EEE241	Digital Logic Design	4 (3 1)	CSC102
MTH242	Differential Equations	3 (3 0)	MTH105
CSC241	Object Oriented Programming	4 (3 1)	CSC103
		18(15,3)	

Semester 4-Spring 2009

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
CSC291	Software Engineering-I	3 (3 0)	
CSC221	Computer Organization and Assembly Language	4 (3 1)	CSC103
MGT101	Introduction to Management	3 (3 0)	
MTH262	Statistics and Probability Theory	3 (3 0)	MTH105
MTH231	Linear Algebra	3 (3 0)	MTH105
CSC201	Design and Analysis of Algorithms	3 (3 0)	CSC103, CSC112
		19(18,1)	

Semester 5-Fall 2009

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
CSC253	Computer Graphics	3 (2 1)	CSC103
CSC322	Operating System Concepts	3 (3 0)	CSC112
CSC392	Software Engineering - II	3 (3 0)	CSC291
EEE440	Computer Architecture	3 (3 0)	CSC221
CSC339	Computer Communication and Networks	4 (4 0)	
		16(15,1)	

Semester 6-Spring 2010

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
CSC336	Web Engineering	4 (3 1)	CSC103
CSC312	Automata Theory	3 (3 0)	CSC102
MGT131	Financial Accounting	3 (3 0)	
CSC	Elective CS-I	3 (3 0)	
MTH375	Numerical Computations	3 (3 0)	
		16(15,1)	

1) ACE
2) HOD(CS)

AR (Academic)

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Semester 7-Fall 2010

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
CSC462	Artificial Intelligence	3 (3 0)	CSC103
CSC441	Compiler Construction	4 (3 1)	CSC312
	Elective CS- II	3 (3 0)	
	Elective CS- III	3 (3 0)	
	Elective Institutional - I	3 (3 0)	
CSC499	Project - I	2 (0 2)	
		18(15,3)	

Semester 8-Spring 2011

Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
HUM220	Introduction to Psychology	3 (3 0)	
	Elective Institutional - II	3 (3 0)	
CSC499	Project - II	6 (0 6)	
		12(6,6)	

Total Credit Hours = 134 to 136

Electives (More Courses may be added)

Course Code	Course Title	Cr. Hrs.
CSC412	Cryptography	3 (3 0)
CSC421	System Programming	3 (3 0)
CSC430	Wireless Networks	3 (3 0)
CSC442	Principles of Programming Languages	3 (3 0)
CSC443	Scripting Languages	3 (3 0)
CSC444	Visual Programming	3 (3 0)
CSC445	Modern Programming Languages	3 (3 0)
CSC446	Advanced Object Oriented Programming	3 (3 0)
CSC451	Multimedia and Hypermedia System	3 (3 0)
CSC452	Virtual Reality	3 (3 0)
CSC454	Computer Animation	3 (3 0)
CSC455	Computer Vision	3 (3 0)
CSC456	Human Computer Interaction	3 (3 0)
CSC461	Neural Networks	3 (3 0)
CSC471	Distributed Database System	3 (3 0)
CSC482	Computer Law	3 (3 0)
CSC494	Software Project Management	3 (3 0)

Elective Institutional Courses (More Courses may be added)

Course Code	Course Title	Cr. Hrs.
MGT350	Human Resources Management	3 (3 0)
MGT403	Entrepreneurship	3 (3 0)
MGT463	Productivity and Quality Management	3 (3 0)
MGT513	New Product Development	3 (3 0)
MGT430	French	3 (3 0)
MGT431	German	3 (3 0)
MGT432	Arabic	3 (3 0)
MGT433	Persian	3 (3 0)

Muhammad Hanif
Assistant Registrar

Distribution:
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2. Dean Faculty of Information Sciences and Technology
3. Controller of Examinations, CIIT
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