COMSATS Institute of Information Technology (CIIT)

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No. CIIT/DoA/OO/2010/ 468

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OFFICE ORDER

(No. 66 of 2010)

The students of COMTSATS Institute of Information Technology admitted in Spring 2008 batch are allowed to follow the following Scheme of Studies of BSCS:

Scheme of Studies

Semester 1-Spring 2008

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-Fall 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-Spring 2009

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-Fall 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-Spring 2010

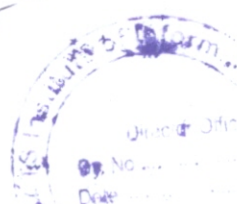| Course Code	Course Title	Cr. Hrs.	Prerequisite(s)
CSC253	Computer Graphics	3 (2 1)	CSC103
CSC322	Operating System Concepts	3 (3 0)	CSC112
CSC392	Software Engineering - II	3 (3 0)	CSC291
EEE440	Computer Architecture	3 (3 0)	CSC221
CSC339	Computer Communication and Networks	4 (4 0)	
		16(15,1)	

Semester 6-Fall 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)	
	Elective CS-I	3 (3 0)	
MTH375	Numerical Computations	3 (3 0)	
		16(15,1)	

Semester 7-Spring 2011

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-Fall 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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3. Controller of Examinations, CIIT
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