COMSATS Institute of Information Technology

(Directorate of Academics)

No.CIIT-Dir(Acad)/Notif- 274

February 3, 2010

NOTIFICATION

Consequent upon approval of the competent authority / fora the Scheme of Studies for dual degree program with Lancaster University, UK, for Bachelor of Science in Electrical (Telecommunications) Engineering, BS (TE) effective from Fall 2009 is hereby notified for the students enrolled in the CIIT Lahore campus.

Scheme of Studies

Semester 1

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
HUM100	English Comprehension and Composition	3(3,0)	
HUM110	Islamic Studies	3(3,0)	
PHY121	Applied Physics for Engineers	4(3,1)	
MTH101	Calculus I	3(3,0)	
EEE113	Engineering Drawing	1(0,1)	
EEE112	Engineering Mechanics and Thermodynamics	3(3,0)	
		17(15, 2)	

Semester 2

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
HUM111	Pakistan Studies	3(3,0)	
MTH102	Calculus II	3(3,0)	MTH101
MTH231	Linear Algebra	3(3,0)	
CSC141	Introduction to Computer Programming	4(3,1)	
EEE121	Electric Circuits Analysis – I	4(3,1)	MTH101,PHY121
		17(15,2)	

Semester 3

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
MTH203	Calculus III	3(3,0)	MTH102
MTH242	Differential Equations	3(3,0)	MTH102
EEE241	Digital Logic Design	4(3,1)	
EEE231	Electronics – I	4(3,1)	EEE121
CSC241	Object Oriented Programming	4(3,1)	CSC141
		18 (15,3)	

Semester 4

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
MTH263	Probability Theory and Random Variables	3(3,0)	MTH203
EEE261	Electromagnetic Theory	3(3,0)	MTH203
EEE222	Electric Circuits Analysis – II	3(3,0)	MTH242,EEE121
EEE223	Signals and Systems	4(3,1)	MTH242
EEE375	Power Distribution and Utilization	3(3,0)	
		16(15,1)	

Semester 5

Course Code	Course Title	Credit Hours1	Prerequisite(s)†
EEE232	Electronics – II	4(3,1)	EEE222,EEE231
EEE371	Electric Machines	4(3,1)	EEE222,EEE261
CSC112	Algorithms and Data Structures	4(3,1)	CSC141
EEE324	Digital Signal Processing	4(3,1)	EEE223
EEE352	Analog Communication Systems	4(3,1)	EEE223,MTH263
		20(15,5)	

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Semester 6

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
ECO300	Engineering Economics	3(3,0)	
EEE325	Control Systems	4(3,1)	EEE223,EEE232
EEE342	Microprocessor Systems and Interfacing	4(3,1)	EEE241
EEE314	Data Communication and Computer Networks	4(3,1)	
EEE463	Antenna and Radio Wave Propagation	4(3,1)	EEE261
		18(15,3)	

Semester 7

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
HUM102	Report Writing Skills	3(3,0)	HUM100
	Major/Specialization Elective I	3(3,0)/4(3,1)	
	Non-Engineering Elective	3(3,0)	
EEE490	Final Year Project (Part-I)**	1(0,1)	
EEE353	Digital Communication Systems	4(3,1)	EEE352
		14-15(12,2-3)	
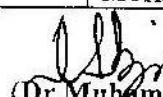
Semester 8

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
MGT462	Project Planning and Management	3(3,0)	
	Major/Specialization Elective II	3(3,0)/4(3,1)	
	EE Open/Free Elective***	3(3,0)/4(3,1)	
EEE490	Final Year Project (Part-II)	5(0,5)	
		14-16(9,5-7)	

Grand Total: 134-137 Credit Hours

Bachelor of Science in Electrical Engineering (BSEE) with Major in Telecommunications Technical Electives****

Course Code	Course Title	Credit Hours[1]	Prerequisite(s)†
EEE354	Telecommunication Systems Engineering	3(3,0)	EEE352
EEE362	Microwave Engineering	4(3,1)	EEE232,EEE261
CSC341	Network Programming	4(3,1)	EEE314,CSC141
EEE454	Transmission & Switching Systems	3(3,0)	EEE352,EEE353
EEE455	Optical Fiber Communications	3(3,0)	EEE232,EEE362
EEE456	Broadband Technologies	3(3,0)	EEE314,EEE354
EEE464	Wireless Communication Systems	3(3,0)	EEE314,EEE463
EEE465	Microwave & Satellite Communication Systems	3(3,0)	EEE353,EEE463
EEE466	Radars and Navigation Aids	3(3,0)	EEE463
EEE476	Telecommunication Policies Standards & Regulations	3(3,0)	
EEE415	Digital Image Processing	4(3,1)	MTH231,EEE223

(Dr Muhammad Azim)
Director Academics

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