



# COMSATS Institute of Information Technology

30, Sector H-8/1, Islamabad. Tel: (92-51) 9258481-3, 4448371-72, Fax : (92-51) 4442805

E-mail : info@ciit.edu.pk, URL : //www.ciit.edu.pk

(Directorate of Academics)

No. CIIT/DoA/OO/21 /2010 /318

Friday, March 12, 2010

## OFFICE ORDER

(No. 21 of 2010)

The students of COMSATS Institute of Information Technology Lahore Campus admitted in Fall 2006 are allowed to follow the following Scheme of Studies of BS (Chemical Engineering):

Scheme of Studies of BS (Chemical Engineering) Fall-2006 Batch				
Semester	Course Code	Course Title	Cr. Hrs.	Pre-Requisite(s)
1st Semester	CHM111	Physical Chemistry-I	3(3, 0)	
	PHY132	Applied Physics for Chemical Engineers	4(3, 1)	
	MTH101	Calculus-I	3(3, 0)	
	HUM100	English Comprehension & Composition	3(3, 0)	
	HUM110	Islamic Studies	3(3, 0)	
	HUM111	Pakistan Studies	3(3, 0)	
			19(18, 1)	
2nd Semester	CHM112	Physical Chemistry-II	2(2, 0)	CHM111
	CHM 101	General Chemistry	3(3, 0)	
	CHE111	Chemical Process Principles-I	3(3, 0)	
	MTH102	Calculus - II	3(3, 0)	MTH101
	CSC101	Introduction to Computing	3(2, 1)	
	HUM102	Report Writing Skills	3(3, 0)	HUM100
			17(16, 1)	
3rd Semester	CHM213	Physical Chemistry (Lab)	1(0, 1)	CHM112
	CHM202	General Chemistry (lab)	1(0, 1)	CHM101
	CHM221	Analytical Chemistry	3(3, 0)	
	CHE212	Chemical Process Principles-II	3(3, 0)	CHE111
	CHE213	Particulate Technology	3(3, 0)	
	CHE214	Transport Phenomena-I	3(3, 0)	
	MTH242	Differential Equations	3(3, 0)	MTH102
			17(15, 2)	
4th Semester	CSC141	Introduction to Computer Programming	4(3, 1)	CSC101
	CHM222	Analytical Chemistry (Lab)	1(0, 1)	CHM221
	CHE215	Particulate Technology (Lab)	1(0, 1)	CHE213
	CHE216	Transport Phenomena-II	3(3, 0)	CHE214
	CHE221	Fluid & Particle Mechanics	3(3, 0)	
	CHE222	Fuels & Combustion	3(3, 0)	
	MTH231	Linear Algebra	3(3, 0)	
			18(15, 3)	
5th Semester	MCE301	General Engineering	2(2, 0)	
	MCE302	Engineering Workshop (Lab)	1(0, 1)	
	CHE323	Chemical Engineering Thermodynamics	3(3, 0)	CHM112
	CHE324	Fuels & Combustion (Lab)	1(0, 1)	CHE222
	CHE325	Chemical Engineering Transfer Operations	3(3, 0)	
	CHE326	Fluid & Particle Mechanics (Lab)	1(0, 1)	CHE221
	CHE331	Instrumentation & Process Control	3(3, 0)	
	CHE332	Chemical Reaction Engineering	3(3, 0)	
			17(14, 3)	
6th Semester	HUM320	Introduction to Sociology	3(3, 0)	
	MTH375	Numerical Computations	3(3, 0)	MTH102
	CHE327	Chemical Engineering Heat Transfer Operations (Lab)	1(0, 1)	CHE325
	CHE328	Chemical Engineering Mass Transfer Operations (Lab)	1(0, 1)	CHE325
	CHE329	Simultaneous Heat & Mass Transfer Operations	3(3, 0)	CHE325
	CHE333	Engineering Materials	3(3, 0)	
	CHE334	Chemical Process Technology-I	3(3, 0)	
			17(15, 2)	





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Summer	CHE335	Industrial Training	5(0, 5)	
7th Semester	MCE403	Engineering Drawing/Graphics (Lab)	1(0, 1)	
	CHE420	Simultaneous Heat & Mass Transfer Operations (Lab)	1(0, 1)	CHE329
	CHE436	Instrumentation & Process Control (Lab)	1(0, 1)	CHE331
	CHE437	Chemical Process Technology-II	3(3, 0)	
		Elective-I	3(3, 0)	
	CHE442	Chemical Engineering Plant Design	3(3, 0)	
	ECO302	Process Economics	3(3, 0)	
			15(12, 3)	
8th Semester	MGT362	Production & Operations Management	3(3, 0)	
		Elective-II	3(3, 0)	
	CHE444	Environmental & Process Safety Engineering	2(2, 0)	
	MGT462	Project Planning & Management	2(2, 0)	
	CHE445	Chemical Engineering Plant Design Project	5(0, 5)	CHE442
			15(10, 5)	
Total Credit Hours for the Degree			140	

## Elective Courses

Course Code	Course Title	Credit Hours	Prerequisite(s)
CHE439	Polymer Engineering OR Polymer & Rubber Technology	3(3, 0)	CHE437
CHE415	Oil and Gas Production and Processing	3(3, 0)	CHE 439
	Fundamentals of Environmental Processes	3(3, 0)	
	Electronic & Liquid Crystalline Materials	3(3, 0)	
	Textile Processing	3(3, 0)	
	Fuel Cell Technology	3(3, 0)	
	Composite Materials	3(3, 0)	

(Dr Muhammad Azim)  
Director Academics

### Distribution:

1. Director CIIT Lahore Campus
2. Dean Faculty of Engineering, CIIT
3. Chairman, Department of Chemical Engineering, CIIT
4. Controller of Examinations, CIIT
5. Additional Registrar (Academics), CIIT Islamabad

### CC:

1. Registrar CIIT
2. PS to Rector

