

# UJJAIN ENGINEERING COLLEGE, UJJAIN. (MP)

Course of Study and Scheme of Examination **M.Tech. Chemical Engg.**  
 (with Specilization in Environmental Management)

**First Semester**  
**FROM JULY' 2012**

SEM	Sr.No.	S U B J E C T S		Periods Per Week				DISTRIBUTION OF MARKS					TOTAL (1 to 5)
								Theory Block			Practical Block		
		Code No.	T I T L E	L	T	P	C	ESE	MST	QAR	ESE	LQAR	
				1	2	3	4	5					
<b>FIRST</b>	1	CM-11001	Modeling of Chemical and Pollution Control System	3	0	0	3	70	20	10			100
	2	CM-11002	Advanced Process Dynamics and Control	3	0	0	3	70	20	10			100
	3	CM-11003	Environmental Bio- Tecnology	3	0	0	3	70	20	10			100
	4	CM-1101X	Elective-I	3	0	0	3	70	20	10			100
	5	CM-1102X	Elective-II	3	0	0	3	70	20	10			100
	6	CM-11006	<b>Lab-1</b> (Modeling of Chemical and Pollution Control System)	0	0	3	3				60	40	100
	7	CM-11007	<b>Lab-2</b> (Environmental Bio- Tecnology)	0	0	3	3				60	40	100
	8	Comprehansive Viva			Student has to get atleast pass grade to appear in the Main Examination								
<b>TOTAL</b>				<b>15</b>	<b>0</b>	<b>6</b>	<b>21</b>	<b>350</b>	<b>100</b>	<b>50</b>	<b>120</b>	<b>80</b>	<b>700</b>

<i>Minimum Pass Marks</i>	(A) ESE	40%	<i>Duration of Theory Paper</i>	3 Hours
	(B) Theory / Practical Block	40%		

<b>Elective-I</b>	CM-11011	<b>Industrial Safety &amp; Hazard Management</b>
	CM-11012	Hazardous Waste Management
	CM-11013	Hazard Assessment & Mitigation in Chemical Process Industries

<b>Elective-II</b>	CM-12021	<b>Environmental Acts, Regulation &amp; Management Strategies</b>
	CM-12022	Pollution Prevention & Process Integration
	CM-12023	Clean Development Mechanism

**ESE** - End Semester Examination  
**MST** - Mid Semester Test (Two test of 10 marks each)  
**QAR** - Quizzes, Assignments & Regularity  
**LQAR** - Lab, Quizzes, Assignments & Regularity