

**UJJAIN ENGINEERING COLLEGE, UJJAIN. (MP) - 456 010**

Scheme of Examination as per NEP-2020 (w.e.f. July-2024)

(Course : Bachelor of Technology)

Branch : **Chemical Engineering**Semester : **III (THIRD)**

Sr.No.	Category	S U B J E C T		Contact Hours per Week			Total Credits		Distribution of Marks					
		Subject Code	Subject title						THEORY			PRACTICAL		Total
				L	T	P	T	P	ESE	MST	QAR	ESE	LQAR	
1		MA-3401	Mathematics - III	3	1		4	0	70	20	10			100
2		CM-3401	Chemical Engineering Thermodynamics	3	1		4	0	70	20	10			100
3		CM-3402	Material and Energy Balance Computations	3		2	3	1	70	20	10	30	20	150
4		CM-3403	Fluid Mechanics	3		2	3	1	70	20	10	30	20	150
5		CM-3404	Inorganic Process Technology	3		2	3	1	70	20	10	30	20	150
6		CM-3405	Object Oriented Programming using JAVA			4	0	2				30	20	50
7		CM-3406	Internship			4		2					50	50
<b>TOTAL</b>				15	2	14	24		350	100	50	120	130	750

Branch : **Chemical Engineering**Semester : **IV (FOURTH)**

Sr.No.	Category	S U B J E C T		Contact Hours per Week			Total Credits		Distribution of Marks					
		Subject Code	Subject title						THEORY			PRACTICAL		Total
				L	T	P	T	P	ESE	MST	QAR	ESE	LQAR	
1		CM-4401	Particle and Fluid Particle Processing	3		4	3	2	70	20	10	30	20	150
2		CM-4402	Heat Transfer	3		4	3	2	70	20	10	30	20	150
3		CM-4403	Material Technology	3			3	0	70	20	10			100
4		CM-4404	Organic Process Technology	3		4	3	2	70	20	10	30	20	150
5		CM-4405	Numerical Methods in Chemical Engineering	3		4	3	2	70	20	10	30	20	150
6		CM-4406	Computer Aided Process Calculation			2	0	1				30	20	50
7		MC-4401	Induction Training	None Credit										0
<b>TOTAL</b>				15	0	18	24		350	100	50	150	100	750

**1 Hour Lecture = 1 Credit    1 Hour Tutorial = 1 Credit    2 Hours Practical = 1 Credit****Note :** Working Saturdays in a month together with one vacant class in a week can be used for other activities like cultural, sports, literary, NSS etc.

BOS MEMBER

BOS MEMBER

BOS CHAIRMAN  
HOD - **CHEMICAL****ESC :** Engineering Science Course**BSC :** Basic Science Course**PCC :** Professional Core Course**HSMC :** Humanities & Social Sciences including Management Courses**PROJ :** Project - I (Summer Internship)**ESE :** End Semester Examination**MST :** Mid Semester Test**QAR :** Quizzes, Assignment & Regularity**LQAR :** Lab Work Quizzes, Assignment & Regularity**MC :** Mandatory Course