

University of Mumbai

Scheme for TE: Semester-V

Course Code	Course Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC501	Chemical Engineering Thermodynamics - II	03	–	01	3.0	–	1.0	4.0
CHC502	Mass Transfer Operations - I (MTO-I)	03	–	01	3.0	–	1.0	4.0
CHC503	Heat Transfer Operations – I (HTO-I)	03	–	01	3.0	–	1.0	4.0
CHC504	Chemical Reaction Engineering - I (CRE-I)	03	–	01	3.0	–	1.0	4.0
CHC505	Chemical Technology	03	–	–	3.0	–	–	3.0
CHC506	Business Communication & Ethics	–	02* + 02	–	–	–	–	2.0
CHL507	Chemical Engg Lab (MTO-I)	–	03	–	–	1.5	–	1.5
CHL508	Chemical Engg Lab (CRE-I)	–	03	–	–	1.5	–	1.5
CHL509	Chemical Engg Lab (HTO-I)	–	03	–	–	1.5	–	1.5
CHL510	Chemical Engg Lab (Synthesis)	–	03	–	–	1.5	–	1.5
Total		15	16	04	15.0	6.0	6.0	27.0

*Theory for entire class.

Examination Scheme

Course Code	Course Name	Examination Scheme								
		Theory marks					Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam					
		Test 1	Test 2	Avg. of Test 1 and Test 2						
CHC501	Chemical Engineering Thermodynamics - II	20	20	20	80	25	–	–	125	
CHC502	Mass Transfer Operations - I (MTO-I)	20	20	20	80	25	–	–	125	
CHC503	Heat Transfer Operations – I (HTO-I)	20	20	20	80	25	–	–	125	
CHC504	Chemical Reaction Engineering - I (CRE-I)	20	20	20	80	25	–	–	125	
CHC505	Chemical Technology	20	20	20	80	–	–	–	100	
CHC506	Business Communication & Ethics	–	–	–	–	50	–	–	50	
CHL507	Chemical Engg Lab (MTO-I)	–	–	–	–	–	25	–	25	
CHL508	Chemical Engg Lab (CRE-I)	–	–	–	–	–	25	–	25	
CHL509	Chemical Engg Lab (HTO-I)	–	–	–	–	–	25	–	25	
CHL510	Chemical Engg Lab (Synthesis)	–	–	–	–	–	–	25	25	
Total		100			400	100	75	75	750	

University of Mumbai

Scheme for TE: Semester-VI

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC601	Instrumentation	03	–	01	3.0	–	1.0	4.0
CHC602	Mass Transfer Operations – II (MTO-II)	03	–	01	3.0	–	1.0	4.0
CHC603	Heat Transfer Operations – II (HTO-II)	03	–	01	3.0	–	1.0	4.0
CHC604	Chemical Reaction Engineering – II (CRE-II)	03	–	01	3.0	–	1.0	4.0
CHC605	Plant Engineering	04	–	–	4.0	–	–	4.0
CHE606	Elective – I	04	–	–	4.0	–	–	4.0
CHL607	Chemical Engg Lab (MTO-II)	–	03	–	–	1.5	–	1.5
CHL608	Chemical Engg Lab (CRE-II)	–	03	–	–	1.5	–	1.5
CHL609	Chemical Engg Lab (HTO-II)	–	02	–	–	1.0	–	1.0
Total		20	08	04	20.0	4.0	4.0	28.0

Examination Scheme

Subject Code	Subject Name	Examination Scheme								
		Theory marks					Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam					
		Test 1	Test 2	Avg. of Test 1 and Test 2						
CHC601	Instrumentation	20	20	20	80	25	–	–	125	
CHC602	Mass Transfer Operations – II (MTO-II)	20	20	20	80	25	–	–	125	
CHC603	Heat Transfer Operations – II (HTO-II)	20	20	20	80	25	–	–	125	
CHC604	Chemical Reaction Engineering – II (CRE-II)	20	20	20	80	25	–	–	125	
CHC605	Plant Engineering	20	20	20	80	–	–	–	100	
CHE606	Elective – I	20	20	20	80	–	–	–	100	
CHL607	Chemical Engg Lab (MTO-II)	–	–	–	–	–	25	25	50	
CHL608	Chemical Engg Lab (CRE-II)	–	–	–	–	–	25	–	25	
CHL609	Chemical Engg Lab (HTO-II)	–	–	–	–	–	25	–	25	
Total		120			480	100	75	25	800	

Elective Streams(CHE606)

Sem.	Management Stream	Technology Stream	Process System Engineering Stream
VI	Operations Research	Advanced Material	Computational Fluid Dynamics