

**University of Mumbai**  
**Scheme for SE: Semester-III**

**Teaching Scheme**

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tutorial	Theory	Pract	Tut	Total
CHC301	Applied Mathematics-III	03	-	01	3.0	-	1.0	4.0
CHC302	Engineering Chemistry-I	04	-	-	4.0	-	-	4.0
CHC303	Fluid Flow (FF)	03	-	01	3.0	-	1.0	4.0
CHC304	Computer Programming & Numerical Methods	03	-	01	3.0	-	1.0	4.0
CHC305	Process Calculations	03	-	01	3.0	-	1.0	4.0
CHC306	Chemical Engineering Economics	03	-	01	3.0	-	1.0	4.0
CHL307	Chem. Engg. Lab (FF)	-	03	-	-	1.5	-	1.5
CHL308	Engineering Chemistry Lab I	-	03	-	-	1.5	-	1.5
CHL309	Computer Programming & Numerical Methods Lab	-	02	-	-	1.0	-	1.0
<b>Total</b>		<b>19</b>	<b>08</b>	<b>05</b>	<b>19</b>	<b>4.0</b>	<b>5.0</b>	<b>28</b>

**Examination Scheme**

Subject Code	Subject Name	Examination Scheme								
		Theory Marks					Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam					
		Test 1	Test 2	Average of Test 1 and Test 2						
CHC301	Applied Mathematics-III	20	20	20	80	25	-	-	125	
CHC302	Engineering Chemistry-I	20	20	20	80	-	-	-	100	
CHC303	Fluid Flow (FF)	20	20	20	80	25	-	-	125	
CHC304	Computer Programming & Numerical Methods	20	20	20	80	25	-	-	125	
CHC305	Process Calculations	20	20	20	80	25	-	-	125	
CHC306	Chemical Engineering Economics	20	20	20	80	25	-	-	125	
CHL307	Chem. Engg. Lab (FF)	-	-	-	-	-	25	-	25	
CHL308	Engineering Chemistry Lab I	-	-	-	-	-	25	-	25	
CHL309	Computer Programming & Numerical Methods Lab	-	-	-	-	-	25	-	25	
<b>Total</b>				<b>120</b>	<b>480</b>	<b>125</b>	<b>75</b>	<b>-</b>	<b>800</b>	

**University of Mumbai**  
**Scheme for SE: Semester-IV**

**Teaching Scheme**

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tutorial	Theory	Pract	Tut	Total
CHC401	Applied Mathematics-IV	03	-	1.0	3.0	-	1.0	4.0
CHC402	Engineering Chemistry-II	04	-	-	4.0	-		4.0
CHC403	Chemical Engg. Thermodynamics - I	03	-	1.0	3.0	-	1.0	4.0
CHC404	Material Science & Engineering	03	-	1.0	3.0	-	1.0	4.0
CHC405	Mechanical Equipment Design (MED)	03	-	1.0	3.0	-	1.0	4.0
CHC406	Solid Fluid Mechanical Operations (SFMO)	03	-	1.0	3.0	-	1.0	4.0
CHL407	Engineering Chemistry Lab II	-	03	-	-	1.5	-	1.5
CHL408	Chemical Engg Lab (SFMO)	-	03	-	-	1.5	-	1.5
CHL409	MED Lab	-	02	-	-	1.0	-	1.0
<b>Total</b>		<b>19</b>	<b>08</b>	<b>05</b>	<b>19</b>	<b>4.0</b>	<b>5.0</b>	<b>28</b>

**Examination Scheme**

Subject Code	Subject Name	Examination Scheme								
		Theory Marks				End Sem. Exam	Term Work	Pract.	Oral	Total
		Internal Assessment			Average of Test 1 and Test 2					
		Test 1	Test 2							
CHC401	Applied Mathematics-IV	20	20	20	80	25	-	-	125	
CHC402	Engineering Chemistry-II	20	20	20	80	-	-	-	100	
CHC403	Chemical Engg. Thermodynamics – I	20	20	20	80	25	-	-	125	
CHC404	Material Science Engineering	20	20	20	80	25	-	-	125	
CHC405	Mechanical Equipment Design (MED)	20	20	20	80	25	-	-	125	
CHC406	Solid Fluid Mechanical Operations (SFMO)	20	20	20	80	25		-	125	
CHL407	Engineering Chemistry Lab II	-	-	-	-	-	25	-	25	
CHL408	Chemical Engg Lab (SFMO)	-	-	-	-	-	25	-	25	
CHL409	MED Lab	-	-	-	-	-	-	25	25	
<b>Total</b>				<b>120</b>	<b>480</b>	<b>125</b>	<b>50</b>	<b>25</b>	<b>800</b>	