

**Faculty of Physical Sciences
Department of Chemistry
B.Sc. (H) - CHEMISTRY**

1st Semester

S No	Course Title	Course Code	Teaching Schedule per week				Credits	Evaluation Scheme		
			L	T	P	Total		Int.	Ext.	Total
1	English Communications	ENGL0103	2	0	0	2	2	40	60	100
2	Inorganic Chemistry- I	CHEM1105	4	0	0	4	4	40	60	100
3	Inorganic Chemistry I Lab	CHEM1106	0	0	4	4	2	15	35	50
4	Physical Chemistry -I	CHEM1107	4	0	0	4	4	40	60	100
5	Physical Chemistry I Lab	CHEM1108	0	0	4	4	2	15	35	50
6	Maths-I	MATH0305	4	0	0	4	4	40	60	100
7	Maths-I Lab	MATH0306	0	0	4	4	2	15	35	50
8	Foreign Language French German Spanish	LANF0101 LANG0102 LANS0103	2	0	0	2	2	25	50	75

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2nd Semester

S No	Course Title	Course Code	Teaching Schedule per week				Credit s	Evaluation Scheme		
			L	T	P	Total		Int.	Ext.	Total
1	Environmental Studies	ENVS010	2	0	0	2	2	40	60	100
2	Organic Chemistry-I	CHEM1109	4	0	0	4	4	40	60	100
3	Organic Chemistry I Lab	CHEM1110	0	0	4	4	2	15	35	50
4	Physical Chemistry -II	CHEM1111	4	0	0	4	4	40	60	100
5	Physical Chemistry II Lab	CHEM1112	0	0	4	4	2	15	35	50
6	Maths-II	MATH0326	4	0	0	4	4	40	60	100
7	Maths-II Lab	MATH0327	0	0	4	4	2	15	35	50
8	Foreign Language II French German Spanish	LANF0104 LANG0105 LANS0106	2	0	0	2	2	25	50	75

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3rd Semester

S No	Course Title	Course Code	Teaching Schedule per week				Credits	Evaluation Scheme		
			L	T	P	Total		Int	Ext.	Total
1	Inorganic chemistry-II	CHEM2105	4	0	0	4	4	40	60	100
2	Inorganic Chemistry- II Lab	CHEM2106	0	0	4	4	2	15	35	50
3	Organic Chemistry-II	CHEM2107	4	0	0	4	4	40	60	100
4	Organic Chemistry -II Lab	CHEM2108	0	0	4	4	2	15	35	50
5	Physical Chemistry III	CHEM2109	4	0	0	4	4	40	60	100
6	Physical Chemistry III Lab	CHEM2110	0	0	4	4	2	15	35	50
7	Maths-III	MATH0307	4	0	0	4	4	40	60	100
8	Maths-III Lab	MATH0308	0	0	4	4	2	15	35	50
9	Skill Enhancement Course-I	MGMT0103	2	0	0	2	2	40	60	100
10	Minor Project	CHEM2111	0	0	4	4	2			50
11	Yoga	VALU0118	0	0	2	2	1	25	25	50

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4th Semester

S No	Course Title	Course Code	Teaching Schedule per week				Credits	Evaluation Scheme		
			L	T	P	Total		Int.	Ext.	Total
1	Inorganic chemistry-III	CHEM2112	4	0	0	4	4	40	60	100
2	Inorganic Chemistry-III Lab	CHEM2113	0	0	4	4	2	15	35	50
3	Organic Chemistry-III	CHEM2114	4	0	0	4	4	40	60	100
4	Organic Chemistry -III Lab	CHEM2115	0	0	4	4	2	15	35	50
5	Physical Chemistry IV	CHEM2116	4	0	0	4	4	40	60	100
6	Physical Chemistry IV Lab	CHEM2117	0	0	4	4	2	15	35	50
7	Maths-IV	MATH0328	4	0	0	4	4	40	60	100
8	Maths-IV Lab	MATH0329	0	0	4	4	2	15	35	50
9	Skill Enhancement Course-II	CSEN0103	2	0	0	2	2	40	60	100
10	Minor Project	CHEM2118	0	0	4	4	2	-	-	50
11	Value Education	VALU0109	2	0	0	2	2	25	50	75

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5th Semester

S No	Course Title	Course Code	Teaching Schedule				Credits	Evaluation Scheme		
			per week					Int.	Ext.	Total
			L	T	P	Total				
1.	Organic Chemistry-IV	CHEM3101	4	0	0	4	4	40	60	100
2.	Organic Chemistry IV Lab	CHEM3102	0	0	4	4	2	15	35	50
3.	Physical Chemistry -V	CHEM3103	4	0	0	4	4	40	60	100
4.	Physical Chemistry V Lab	CHEM3104	0	0	4	4	2	15	35	50
5.	DSE-I	CHEM3205	4	0	0	4	4	40	60	100
6.	DSE-I Lab	CHEM3206	0	0	4	4	2	15	35	50
7.	DSE-II	CHEM3207	4	0	0	4	4	40	60	100
8.	DSE-II Lab	CHEM3208	0	0	4	4	2	15	35	50
9.	Major Group Project	CHEM3109	0	0	8	8	4	40	60	100
10.	Professional Communication-I	VALU0123	2	0	0	2	2	25	50	75
11.	Aptitude-I	VALU0119	2	0	0	2	2	25	50	75

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6th Semester

S No	Course Title	Course Code	Teaching Schedule				Credits	Evaluation Scheme		
			L	T	P	Total		Int.	Ext.	Total
1.	Inorganic chemistry-IV	CHEM3105	4	0	0	4	4	40	60	100
2.	Inorganic Chemistry-IV Lab	CHEM3106	0	0	4	4	2	15	35	50
3.	Organic Chemistry-V	CHEM3107	4	0	0	4	4	40	60	100
4.	Organic Chemistry – V Lab	CHEM3108	0	0	4	4	2	15	35	50
5.	DSE-III	CHEM3209	4	0	0	4	4	40	60	100
6.	DSE-III Lab	CHEM3210	0	0	4	4	2	15	35	50
7.	DSE-IV	CHEM3211	4	0	0	4	4	40	60	100
8.	DSE-IV Lab	CHEM3212	0	0	4	4	2	15	35	50
9.	Major Individual Project	CHEM3110	0	0	8	8	4	40	60	100
10.	Professional Communication-II	VALU0140	2	0	0	2	2	25	50	75
11.	Aptitude-II	VALU0136	2	0	0	2	2	25	50	75