

First Level - First Semester

NO	Course Code	Course Title	Credit Hours
1	PC 601	Physical Chemistry	2
2	PC 602	Pharmaceutical Nanotechnology	2
3	PL 601	Molecular Biology & Genetics	2
4	PM 601	Bioinformatics	1
Total Semester Credit hours			7

First Level - Second Semester

NO	Course Code	Course Title	Credit Hours
1	PC 603	Analytical & Instrumental Methods	2
2	PL 602	Molecular Basis of Drug Action	2
3	PP 601	Research Methods & Experimental Design	2
4	PL 603	Statistics & Biostatistics	1
Total Semester Credit hours			7

Second Level - First Semester

NO	Course Code	Course Title	Credit Hours
1	PC 704	Advanced Analytical Quality Assurance of Drugs	3
2	PC 705	Advanced Organic Pharmaceutical Chemistry	3
4		Elective courses	2

Total Semester Credit Hours	8
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Second Level - Second Semester

NO	Course Code	Course Title	Credit Hours
1	PL 706	Advanced Pharmaceutical Analysis	3
2	PL 707	Applied Medicinal Chemistry	3
4		Elective courses	2
Total Semester Credit Hours			8

Thesis Research

NO	Course code	Course Title	Credit Hours
1	PC 800	Thesis Research	8

Elective courses

NO	Course Code	Course Title	Credit Hours
1	PL L08	Therapeutics in Special Populations	2
2	PL L09	Pathophysiology of Human Disease	2
3	PL L10	Pharmacogenomics & Pharmacogenetics	2

4	PL L11	Immuno-Pharmacology	2
5	PL L12	Cancer Biology	2
6	PL L13	Analysis of Body Fluids	2
7	PL L14	Advanced Clinical Biochemistry	2
8	PL L15	Neurochemistry	2
9	PL L16	Biosciences of Stem Cells	2
10	PC L08	Formulation Chemistry	2
11	PC L09	Drug Synthesis	2

Required courses generated by any department could be mutually accepted as elective courses in other departments.