

## Level (1)

## Semester (1)

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PC101	Pharmaceutical Organic Chemistry (1)	2	1	3	-	50	15	25	10	100	2
PG101	Medicinal Plants	2	1	3	-	50	15	25	10	100	2
PA101	Pharmaceutical Analytical Chemistry (1)	2	1	3	-	50	15	25	10	100	2
NP101	Mathematics	2	-	2	-	80	20	-	-	100	2
PH101	Pharmacy Orientation	1	-	1	-	80	20	-	-	100	1
UE101	English Language (1)	1	-	1	-	100	-	-	-	100	1
PB101	Cell Biology	1	1	2	-	50	15	25	10	100	1
MD101	Medical Terminology	1	-	1	-	80	20	-	-	100	1
UE102	Human Rights	1	-	1	-	100	---	-	-	100	1
<b>TL</b>				<b>17</b>							

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**P/T:** Practical/Tutorial                      **F:** Final                      **O:** Oral

## Level (1)

## Semester (2)

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PC112	Pharmaceutical Organic Chemistry (2)	2	1	3	Pharmaceutical Organic Chemistry (1)	50	15	25	10	100	2
PG112	Pharmacognosy (1)	2	1	3	Medicinal Plants	50	15	25	10	100	2
MD112	Anatomy & Histology	2	1	3	-	50	15	25	10	100	2
PH112	Physical Pharmacy	2	1	3	-	50	15	25	10	100	2
NP112	Psychology	1	-	1	-	80	20	-	-	100	1
UE114	English Language (2)	1	-	1	English Language (1)	100	-	-	-	100	1
PA112	Pharmaceutical Analytical Chemistry (2)	2	1	3	Pharmaceutical Analytical Chemistry (1)	50	15	25	10	100	2
UE113	Information Technology Essentials	1	1	2	-	70	30	-	-	100	1
<b>TL</b>				<b>19</b>							

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**Level (2)**

**Semester (3)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PH203	Pharmaceutical Dosage Forms (1)	2	1	3	Physical Pharmacy	50	15	25	10	100	2
MD203	Physiology&Pathophysiology	2	1	3	-	50	15	25	10	100	2
PG203	Pharmacognosy (2)	2	1	3	Pharmacognosy (1)	50	15	25	10	100	2
PC203	Pharmaceutical Organic Chemistry (3)	2	1	3	Pharmaceutical Organic Chemistry (2)	50	15	25	10	100	2
PA203	Pharmaceutical Analytical Chemistry (3)	1	1	2	Pharmaceutical Analytical Chemistry (2)	50	15	25	10	100	1
PH204	Pharmacy Legislations	1	--	1	-	80	20	-	-	100	1
NP203	Entrepreneurship	1	1	2	-	70	-	30	-	100	1
UE205	English Language (3)	1	-	1	English Language (2)	100	-	-	-	100	1
				<b>TL</b>	<b>18</b>						

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**Level (2)**

**Semester (4)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PM211	General Microbiology & Immunology	2	1	3	-	50	15	25	10	100	2
PG214	Phytochemistry (1)	2	1	3	Pharmacognosy (2)	50	15	25	10	100	2
PB212	Biochemistry (1)	2	1	3	Cell Biology - Pharmaceutical Organic Chemistry (1)	50	15	25	10	100	2
PH215	Pharmaceutical Dosage Forms (2)	2	1	3	Pharmaceutical Dosage Forms (1)	50	15	25	10	100	2
MD214	Pathology	2	1	3	Anatomy & Histology	50	15	25	10	100	2
MD215	Trauma & First Aids	1	-	1	-	80	20	-	-	100	1
PO211	Biostatistics	1	-	1	-	80	20	-	-	100	1
				<b>TL</b>	<b>17</b>						

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**Level (3)**
**Semester (5)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PO302	Pharmacology (1)	2	1	3	Physiology & Pathophysiology	50	15	25	10	100	2
PH306	Pharmaceutical Dosage Forms (3)	2	1	3	Pharmaceutical Dosage Forms (2)	50	15	25	10	100	2
PM302	Pharmaceutical Microbiology	2	1	3	General Microbiology & Immunology	50	15	25	10	100	2
PG305	Phytochemistry (2)	2	1	3	Phytochemistry (1)	50	15	25	10	100	2
PC304	Medicinal Chemistry (1)	2	1	3	Pharmaceutical Organic Chemistry (3)	50	15	25	10	100	2
PB303	Biochemistry (2)	2	1	3	Biochemistry (1)	50	15	25	10	100	2
				<b>TL</b>	<b>18</b>						

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**Level (3)**

**Semester (6)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PM313	Parasitology & Virology	2	1	3	General Microbiology & Immunology	50	15	25	10	100	2
PO313	Pharmacology (2)	2	1	3	Pharmacology (1)	50	15	25	10	100	2
PP311	Hospital Pharmacy	2	1	3	Pharmaceutical Dosage Forms (2)	50	15	25	10	100	2
PH317	Biopharmaceutics & Pharmacokinetics	2	1	3	Pharmaceutical Dosage Forms (3)	50	15	25	10	100	2
PA314	Instrumental Analysis	2	1	3	Pharmaceutical Analytical Chemistry (3)	50	15	25	10	100	2
NP314	Professional Ethics	1	-	1	-	80	20	-	-	100	1
(+)	Elective Course (1)	1	1	2	(+)	50	15	25	10	100	1
				<b>TL</b>	<b>18</b>						

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**Level (4)**

**Semester (7)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
NP405	Marketing & Pharmacoeconomics	2	-	2	-	80	20	-	-	100	2
PP402	Clinical Pharmacokinetics	2	1	3	Biopharmaceutics & Pharmacokinetics	50	15	25	10	100	2
PH408	Industrial Pharmacy (1)	2	1	3	Pharmaceutical Dosage Forms (3)	50	15	25	10	100	2
PB404	Clinical Biochemistry	2	1	3	Biochemistry (2)	50	15	25	10	100	2
PM404	Medical Microbiology	2	1	3	Pharmaceutical Microbiology	50	15	25	10	100	2
PO404	Pharmacology (3)	2	1	3	Pharmacology (2)	50	15	25	10	100	2
				<b>TL</b>	<b>17</b>						

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**Level (4)**

**Semester (8)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PG416	Phytotherapy	2	1	3	Phytochemistry (2)	50	15	25	10	100	2
PP413	Community Pharmacy Practice	2	1	3	Pharmacology (2)	50	15	25	10	100	2
PO415	Basic & Clinical Toxicology	2	1	3	Pharmacology (3)	50	15	25	10	100	2
PM415	Public Health & Preventive Medicine	2	-	2	Medical Microbiology	70	20	-	10	100	2
PC415	Medicinal Chemistry (2)	2	1	3	Medicinal Chemistry (1)	50	15	25	10	100	2
PH419	Industrial Pharmacy (2)	2	1	3	Industrial Pharmacy (1)	50	15	25	10	100	2
(+)	Elective Course (2)	1	1	2	(+)	50	15	25	10	100	1
				<b>TL</b>	<b>19</b>						

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**Level (5)**

**Semester (9)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PP504	Clinical Pharmacy & Therapeutics (1)	2	1	3	Community Pharmacy Practice	50	15	25	10	100	2
PP505	Drug Interactions	1	1	2	Pharmacology (3)	50	15	25	10	100	1
PM506	Pharmaceutical Biotechnology	2	1	3	Pharmaceutical Microbiology	50	15	25	10	100	2
NP506	Scientific Thinking	2	-	2	-	80	20	-	-	100	2
PC506	Chemical Drug Design	2	1	3	Medicinal Chemistry (2)	50	15	25	10	100	2
PH500	Good Manufacturing Practice	1	1	2	Industrial Pharmacy (2)	50	15	25	10	100	1
NP507	Communication & Presentation Skills	2	-	2	-	80	20	-	-	100	2
(+)	Elective Course (3)	1	1	2	(+)	50	15	25	10	100	1
<b>TL</b>				<b>19</b>							

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**Level (5)**

**Semester (10)**

Course Code	Course Title	Credit Hours			Pre-requisite	Examination Marks					FEH
		L	P/T	TL		F	TW	P/T	O	TL	
PP516	Clinical Pharmacy & Therapeutics (2)	2	1	3	Clinical Pharmacy & Therapeutics (1)	50	15	25	10	100	2
PH511	Advanced Drug Delivery System	2	1	3	Pharmaceutical Dosage Forms (3)	50	15	25	10	100	2
PP517	Clinical Research, Pharmacoepidemiology & Pharmacovigilance	2	1	3	Basic & Clinical Toxicology	50	15	25	10	100	2
PG517	Applied Pharmacognosy	1	1	2	Phytochemistry (2)	50	15	25	10	100	1
PO516	Drug Information	2	-	2	Pharmacology (3)	80	20	-	-	100	2
PH512	Quality Control of Pharmaceuticals	2	1	3	Pharmaceutical Dosage Forms (3) - Pharmaceutical Microbiology	50	15	25	10	100	2
(+)	Elective Course (4)	1	1	2	(+)	50	15	25	10	100	1
				<b>TL</b>	<b>18</b>						

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