

Purbanchal University

**Karnali College of Health Science, Gausala, Kathmandu, Nepal****Curriculum Outline****Program:** Bachelor of Pharmacy**Year:** First**Semester:** First

S.N.	Course Code	Subject	Credit
1.	PHAR 111 PHAR 111 Lab	Pharmaceutical Inorganic Chemistry Pharmaceutical Inorganic Chemistry Practical	3 1
2.	PHAR 112 PHAR 112 Lab	Pharmacognosy I Pharmacognosy I Practical	3 1
3.	PHAR 113 PHAR 113 Lab	Physical Chemistry Physical Chemistry Practical	3 1
4.	PHAR 114	Mathematics	4
5.	PHAR 115 PHAR 115 Lab	Basic Computer Applications Basic Computer Application Practical	2 1
6.	PHAR 116	Communication Skill	2
<b>Total Credit</b>			<b>21</b>

**Year:** First**Semester:** Second

S.N.	Course Code	Subject	Credit
1.	PHAR 121 PHAR 121 Lab	Pharmaceutical Organic Chemistry -I Pharmaceutical Organic Chemistry-I, Practical	3 1
2.	PHAR 122 PHAR 122 Lab	Pharmacognosy II Pharmacognosy II Practical	4 1
3.	PHAR 123 PHAR 123 Lab	Physical Pharmacy Physical Pharmacy Practical	3 1
4.	PHAR 124 PHAR 124 Lab.	Pharmaceutical Analysis-I Pharmaceutical Analysis-I Practical	3 1
5.	PHAR 125 PHAR 125 Lab	Anatomy & Physiology I Anatomy & Physiology-I Practical	3 1
<b>Total Credit</b>			<b>21</b>

**Year:** Second**Semester:** Third

S.N.	Course Code	Subject	Credit
1.	PHAR 211 PHAR 211 Lab	Pharmaceutical Organic Chemistry -II Pharmaceutical Organic Chemistry-II, Practical	4 1
2.	PHAR 212 PHAR 212 Lab	Pharmacognosy III Pharmacognosy III Practical	3 1
3.	PHAR 213 PHAR 213 Lab	Pharmaceutical Analysis-II Pharmaceutical Analysis-II Practical	4 1
4.	PHAR 214 PHAR 214 Lab	Pharmaceutical Engineering I Pharmaceutical Engineering I Practical	3 1
5.	PHAR 215 PHAR 215 Lab	Anatomy & Physiology II Anatomy & Physiology-II Practical	3 1
<b>Total Credit</b>			<b>22</b>

Year: Second

Semester: Fourth

S.N.	Course Code	Subject	Credit
1.	PHAR 221 PHAR 221 Lab	Biochemistry Biochemistry Practical	3 1
2.	PHAR 222 PHAR 222 Lab	Chemistry of Natural Products Chemistry Of Natural Product Practical	3 1
3.	PHAR 223 PHAR 223 Lab	Pharmaceutical Engineering II Pharmaceutical Engineering II Practical	4 1
4.	PHAR 224 PHAR 224 Lab	Pharmaceutical Microbiology Pharmaceutical Microbiology Practical	3 1
5.	PHAR 225 PHAR 225 Lab	Pharmacology I Pharmacology I Practical	4 1
<b>Total Credit</b>			<b>22</b>

Year: Third

Semester: Fifth

S.N.	Course Code	Subject	Credit
1.	PHAR 311 PHAR 311 Lab	Medicinal Chemistry I Medicinal Chemistry- I Practical	4 1
2.	PHAR 312 PHAR 312 Lab	Pharmaceutical Technology I Pharmaceutical Technology I Practical	3 1
3.	PHAR 313 PHAR 313 Lab	Pharmaceutical Biotechnology Pharmaceutical Biotechnology Practical	3 1
4.	PHAR 314	Pharmacology II	3
5.	PHAR 315 PHAR 316	Public Health Pharmacy Public Health Pharmacy Field work	3 1
6.	PHAR 317	Pathophysiology	3
<b>Total Credit</b>			<b>23</b>

Year: Third

Semester: Sixth

S.N.	Course Code	Subject	Credit
1.	PHAR 321 PHAR 321 Lab	Medicinal Chemistry II Medicinal Chemistry- II Practical	4 1
2.	PHAR 322 PHAR 322 Lab	Pharmaceutical Technology II Pharmaceutical Technology II Practical	3 1
3.	PHAR 323 PHAR 323 Lab	Pharmacology III Pharmacology III Practical	3 1
4.	PHAR 324 PHAR 324 Lab.	Bio pharmaceuticals & Pharmacokinetics Bio pharmaceuticals & Pharmacokinetics Practical	3 1
5.	PHAR 325	Biostatistics	3
6.	PHAR 326	Engineering Drawing	1
<b>Total Credit</b>			<b>21</b>

Year: Fourth

Semester: Seventh

S.N.	Course Code	Subject	Credit
1.	PHAR 411	Dosage form Design	3
	PHAR 411 Lab	Dosage form Design Practical	1
2.	PHAR 412	Pharmaceutical Management	3
3.	PHAR 413	Pharmaco therapeutics	3
4.	PHAR 414	Research Methodology	3
	PHAR 414 Lab	Literature survey & Project Design Practical	1
5.	PHAR 415	Forensic Pharmacy	3
6.	PHAR 416	Dispensing & Community Pharmacy	3
	PHAR 411 Lab	Dispensing & Community Pharmacy Practical	1
<b>Total Credit</b>			<b>21</b>

Year: Fourth

Semester: Eight

S.N.	Course Code	Subject	Credit
1.	PHAR 421	Hospital Pharmacy	3
	PHAR 421 Lab	Hospital Pharmacy Practical	1
2.	PHAR 422	Drug Delivery System	3
	PHAR 422 Lab.	Drug Delivery System Practical	
3.	PHAR 423	Quality Assurance & Instrumental Analysis	4
	PHAR 423 Lab.	Quality Assurance & Instrumental Analysis Practical	1
4.	PHAR 424	Clinical Pharmacy	2
5.	PHAR 425	Project Work	6
<b>Total Credit</b>			<b>20</b>