

## BACHELOR OF PHARMACY (B.PHARM)

### Objectives

The objectives of the B. Pharm. degree course aim at fulfilling the following:

1. To train professional Pharmacists locally in Uganda considering the local needs of the country.
2. To produce a pharmacist having skills and ability equivalent to International standards of Pharmacy Training.
3. To initiate research which will utilise locally available materials for possible use in Pharmaceutical Industry.
4. To practice according to the internationally accepted professional code of ethics which will include the ability to:
  - (a) Compound and dispense medicine including sterile preparations.
  - (b) Evaluate drugs to determine and maintain their quality.
  - (c) Participate in the health teams by giving advice in all matters relating to drugs.
  - (d) Participate in the training of non-professional pharmaceutical staff e.g. dispensers and other health personnel as appropriate.

### Programme Structure

#### Duration

The Bachelor of Pharmacy programme will be four years, each year comprising of two semesters of seventeen weeks long and a recess term of ten weeks. The fourth year will however have two semesters only without a recess term. Two weeks at the end of each of the semesters is reserved for University Examination.

*All courses in Pharmacy are core courses (i.e compulsory).*

Year I: Semester 1		
Course Code	Course	CU
CHM 1101	Physical and Inorganic Chemistry	3
ANA 1101	Anatomy: Histology and Embryology	2
PHY 1101	Physics Practicals	5
BCM 1101	Introduction to Biochemistry I	4
PSY 1101	Psychology I	4

PCG 1101	General Pharmacognosy	4
BPH 1102	Cells and Tissues	5
BPH 1103	Blood & Body Fluids	5
FOM 1101	Introductory Economics	3
FOM 1104	Principles of Nursing & First Aid	2
FOM 1111	Introduction of Health Professionals Edu & Et	3
FOM 1112	Cells and Tissues	3
FOM 1113	Blood and Body Fluids	3
<b>Semester II</b>		
ANA 1201	Anatomy: Thorax and Abdomen	5
ANA 1202	Pelvis and Perineum	1
PHY 1201	Physics Practicals	5
BCM 1201	Introduction to Biochemistry II	4
SOC 1201	Sociology I	2
CHM 1101	Basic Inorganic Chemistry	4
CHM 1205	Basic Organic Chemistry	5
PCT 2301	Introduction to Pharmaceutics	3
PHY 1201	Physics Practical	5
BPH 1201	Digestion Nutrition & Metabolism	5
BPH 1202	Cardio Vascular & Respiratory System	5
BPH 1203	Foundations of Behavioural Sciences	2
BPH 1211	Digestion Nutrition and Metabolism	5
BPH 1213	Foundations of Behavioural Sciences	2
BPH 1214	Physicochemical Principles of Pharmacy I	3
FOM 1202	Cardiovascular & Respiratory Systems	5
FOM 1203	Foundations of Behavioural Sciences	5
FOM 12011	Cardiovascular & Respiratory Systems	5
FOM 1212	Digestion Nutrition & Metabolism	5
<b>Recess Term</b>		
PCG 1301	Medical plant families, Organic Analysis, field classes & Herbaria	3
SOC 1301	Sociology II	2
PSY 1301	Psychology II	2

PHC 1302	Research Method	2
PHC 1301	Introduction to Biostatistics	1
MTH 131	General Mathematics	2
FOM 1301	Introduction to Community Health I	4
FOM 1302	Introduction to Community Health II	4
FOM 1311	Introduction to Community Health I	4
FOM 1312	Introduction to Community Health II	4
<b>Year II: Semester I</b>		
ANA 2101	Head and Neck	5
PHY 211	Endocrine & Reproductive Physiology	3
BCM 2101	Introduction to Medical Biochemistry I	4
PHA 2101	General Pharmacology	4
MCB 2101	Microbiology I-Bacteriology	4
PAT 2101	Genetics Haemetology	2
BPH 2101	Endocrine	4
BPH 2102	Reproductive & Urinary	3
BPH 2103	Head & Neck	3
BPH 2104	Physicochemical Principles of Pharmacy II	5
BPH 2111	Endocrine	4
BPH 2112	Phsico-Chemical Principles of Pharmacy II	5
FOM 2111	Endocrine	5
FOM 2112	Reproductive and Urinary Systems	5
FOM 2113	Head and Neck	5
<b>Semester II</b>		
ANA 2201	Neuro Anatomy	4
BCM 2201	Introduction to Medical Biochemistry II	4
PHY 221	Neurophysiology	3
PHA 2201	Chemotherapy & Cytotoxic Agents	4
MCB 2201	Microbiology II (Immunology & Parasitology)	4
PAT 2201	Systemic Pathology	2
PCG 2201	Organised, Unorgaunised drugs Different classes of the active principle	3
BPH 2202	Neurolocomotor	2
BPH 2203	Introduction to Drug Production	5
BPH 2204	Community Pharmacy Practice I	3

BPH 2212	Neurolocomotor	2
BPH 2213	Introduction to Drug Production	5
BPH 2214	Community Pharmacy Practice I	3
FOM 2201	Forestry Resource Assessment and Gis	5
FOM 2211	Principles & Microbiology & Pathology	5
FOM 2213	Head & Neck	5
FOM 2214	Community and Pharmacy Practice I	3
PCT 2301	Introduction to Pharmaceutics & compounding	3
<b>Recess Term</b>		
PCG 2301	Different classes of active principles & their quality control II	4
MCB 2301	Microbiology III: Virology & Mycology	2
PCM 2301	Analytical Methods and instrumentation/organic	4
BPH 2302	Chemotherapeutics	5
FOM 2301	Practical Skills in Forest Resources Assessment	3
FOM 2311	Blood Haemopoetic Fluids Disorders	3
FOM 2312	Pathology & Development Psychology	5
<b>Year III: Semester I</b>		
PHA 3101	Systemic Pharmacology	2
PCG 3101	Different classes of active princ. & their quality control III	5
CLP 3101	Clinical Pharmacy I	4
PMC 3101	Biotechnology and their Applications	4
PCT 3101	Dispersed systems, Phys. Pharmacy and Rheology	3
PCT 3102	Pharm. Appl of metals/Unit Operations	3
PCM 3101	Medicinal Chemistry/QA	3
BPH 3101	Natural Products of Medicinal & Pharmaceutical	5
BPH 3102	Cardiorespiratory system Disorders	
BPH 3103	Digestion Nutrition & Metabolic Disorders	3
BPH 3104	Blood Haemopoetic Fluid Disorders Drugs	3
BPH 3111	Natural Products of Medicinal Pharmaceuticals	5

BPH 3112	Cardiorespiratory System Disorders Drugs	
BPH 3113	Digestion Nutrition & Metabolic Disorders	3
BPH 3114	Blood Haemopoetic Fluid Disorders Drugs	
<b>Semester II</b>		
PCM 3201	Inorganic and Organic Pharmaceutical Chemistry	5
PCT 321	Powder properties and solid dosage forms (I)	4
CLP 3201	Clinical Pharmacy II	4
PHA 3201	Neuro & Psychopharmacology, Toxicology, Vitamins & Therapeutic gases	2
PMC 3201	Pharmaceutical Microbiology II	3
MGM 3201	Management	3
PCG 3201	Applied Pharmacognosy, Quality assurance of medicinal plants	3
BPH 3202	Endocrine Disorders Drugs & Pharmaceutical	5
BPH 3203	Reproductive & Urinary Disorders Drugs & Pharmaceutical	5
BPH 3212	Endocrine Disorders Drugs & Pharmaceuticals	5
BPH 3213	Reproductive & Urinary Disorders Drug Pharmaceutical	5
<b>Recess Term</b>		
BPH 3301	Pharmaceutical Microbiology & Biotechnology	3
BPH 3302	Manufacture & Control of Pharmaceutical	5
BPH 3311	Pharmaceutical Microbiology & Biotechnology	3
BPH 3312	Manufacture & Control of Pharmaceuticals	5
PRJ 3301	Regional hospital/industrial placement	
PRJ 4101	Project work starts	5
<b>Year IV: Semester I</b>		
PCM 4101	Medicinal Chemistry	5
PCT 4101	Solid dosage forms (II), Aerosols and	
PCT 412	Drug stability (I)	4
CLP 4101	Clinical Pharmacy III	4
EFP 4101	Ethics, Forensic Pharmacy & Toxicology	2
PRJ 4101	Project Work examined	5

PHA 4101	Pharmacotherapeutics	1
PCT 4112	Special Topics	4
BPH 4101	Toxicity & Adverse Drug Reactions	5
BPH 4102	Radiopharmacy	2
BPH 4103	Cosmetology	3
BPH 4104	Pharmaceutical Management Project I	5
BPH 4111	Toxicity & Adverse Drug Reactions	5
BPH 4112	Radiopharmacy	2
BPH 4113	Cosmetology	3
BPH 4114	Pharmaceutical Management Project I	5
<b>Semester II</b>		
PCM 321	Medicinal Chemistry	4
CPL 4201	Clinical Pharmacy	4
EFP 4201	Ethics, Forensic Pharmacy Toxicology	2
PMC 4201	Pharmaceutical Microbiology II	3
PCT 4201	Sterile products, Packaging and Stability I	3
PCT 4202	Drug Stability (II), Pharmacokinetics, Biopharmaceutics, Radio-Pharmaceuticals	5
PHC 421	Pharmacoepidemiology	3
BPH 4201	Pharmacy Administration Law & Ethics	
BPH 4202	Industrial Pharmacy	3
BPH 4203	Community Practice II	2
BPH 4204	Drug Targeting & Clinical Pharmacy Management	3
BPH 4205	Pharmaceutical Management Project II	5
BPH 4211	Pharmacy Administration Law & Ethics	
BPH 4212	Industrial Pharmacy	3
BPH 4213	Community Pharmacy Practice II	2
BPH 4214	Drug Targeting & Clinical Pharmacy Management	3
BPH 4215	Pharmaceutical Management Project II	5
PMC 4201	Pharmaceutical Microbiology	3