



Badr University in Cairo

Faculty of Pharmacy

Study Plan

Bachelor of Pharmacy

(Clinical Pharmacy)

172 credit hours

The academic degrees awarded by Faculty of Pharmacy Badr University in Cairo are equivalent by the Egyptian Supreme Council of Universities Resolution No. 230 of 2019 with the same degrees awarded by the Egyptian universities subject to the Universities Organization Law No. 49 of 1972 and its executive regulations in the corresponding disciplines.

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (1) Semester (1)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHT1101	Pharmacy Orientation and History of Pharmacy	1	-	1	Registration	-
PHG1101	Introduction to Pharmacognosy & Medicinal Plants	2	-	2	Registration	-
PHC1101	Physical Chemistry	2	1	3	Registration	-
PHB1101	English language	2	-	2	Registration	-
PHB1102	Cell Biology	2	1	3	Registration	-
GMS1101	Anatomy-1	2	-	2	Registration	-
PHT1102	Profession Ethics *	1	-	1	Registration	-
ECG1101	Human Rights * (U.R.)	1	-	1	Registration	-
Total		13	2	15		

(*) Pass/Fail

(U.R.) University Requirement

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (1) Semester (2)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC1202	Qualitative Analytical Chemistry	2	1	3	Physical Chemistry	PHC1101
PHC1203	Organic Chemistry -1	2	1	3	Registration	-
PHT1203	Physical Pharmacy	2	1	3	Physical Chemistry	PHC1101
PHB 1203	Medical Terminology	2	-	2	Registration	-
GMS1202	Anatomy 2	2	-	2	Anatomy-1	GMS1101
GMS1203	Histology	2	-	2	Cell Biology	PHB1102
ECG1202	Scientific Thinking and Report writing *	1	-	1	Registration	-
Total		13	3	16		

(*) Pass/Fail

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (2) Semester (3)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHT2104	Pharmaceutical Dosage Forms-1	2	1	3	Physical Pharmacy	PHT1203
PHC2104	Quantitative Analytical Chemistry-1	2	1	3	Qualitative Analytical Chemistry	PHC1202
PHC2105	Organic Chemistry-2	2	1	3	Organic Chemistry -1	PHC1203
PHG2102	Pharmacognosy-1	2	1	3	Introduction to Pharmacognosy & Medicinal Plants	PHG1101
PHB2104	Physiology-1	2	-	2	Registration	-
ECU	University Elective Course *	1	-	1	Registration	-
Total		11	4	15		

(*) Pass/Fail

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (2) Semester (4)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHT2205	Pharmaceutical Dosage Forms-2	2	1	3	Pharmaceutical Dosage Forms-1	PHT2104
PHC2206	Quantitative Analytical Chemistry-2	2	1	3	Quantitative Analytical Chemistry-1	PHC2104
PHG2203	Pharmacognosy-2	2	1	3	Pharmacognosy-1	PHG2102
PHB2205	Physiology-2	2	-	2	Physiology-1	PHB2104
PHB2206	Biochemistry-1	2	1	3	Registration	-
MIM2201	Microbiology-1	2	1	3	Cell Biology	PHB1102
ECU	University Elective Course *	1	-	1	Registration	-
	Total	13	5	18		

(*) Pass/Fail

Study Plan

Bachelor of Pharmacy (**Clinical Pharmacy**)

Level (3) Semester (5)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC3107	Instrumental Analysis	2	1	3	Quantitative Analytical Chemistry-2	PHC2206
PHT3106	Drug Delivery Systems	2	-	2	Pharmaceutical Dosage Forms-2	PHT2205
PHB3107	Biochemistry-2	2	1	3	Biochemistry-1	PHB2206
PHG3104	Phytochemistry-1	2	1	3	Pharmacognosy-2	PHG2203
PHB3108	Pharmacology-1	2	1	3	Physiology-2	PHB2205
MIM3102	Microbiology-2	2	1	3	Microbiology-1	MIM2201
ECU	University Elective Course *	1	-	1	Registration	-
Total		13	5	18		

(*) Pass/Fail

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (3) Semester (6)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC3208	Instrumental and Applied Analysis	2	1	3	Instrumental Analysis	PHC3107
PHG3205	Phytochemistry-2	2	1	3	Phytochemistry-1	PHG3104
PHB3209	Pharmacology-2	2	1	3	Pharmacology-1	PHB3108
PHT3207	Pharmacokinetics	2	-	2	Pharmaceutical Dosage Forms-2	PHT2205
PHT3208	Hospital Pharmacy	2	-	2	Pharmaceutical Dosage Forms-2	PHT2205
CLP3201	Clinical Pharmacy	2	-	2	Drug Delivery Systems	PHT3106
STP3201	Summer training-1 *	-	2	2	Registration	-
MKT3201	Pharmaceutical Business Administration	1	-	1	Registration	-
Total		13	5	18		

(*) Summer training of 5 hours per day for 30 days in any of the pharmacy institutions and counted as 2 credit hours and graded as pass or fail.

Study Plan

Bachelor of Pharmacy (**Clinical Pharmacy**)

Level (4) Semester (7)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC4109	Pharmaceutical Chemistry- 1	2	1	3	Organic Chemistry-2	PHC2105
CLP4102	Clinical Pharmacology	2	1	3	Pharmacology-2	PHB3209
MIM4103	Clinical Microbiology	2	-	2	Microbiology-2	MIM3102
PHB4110	Clinical Biochemistry	2	1	3	Biochemistry-2	PHB3107
MIM4104	Parasitology and Pathology	2	1	3	Microbiology-2	MIM3102
PHB4111	Toxicology & Forensic Toxicology	2	1	3	Pharmacology-2	PHB3209
MKT4102	Drug Marketing	1	-	1	Registration	-
	Total	13	5	18		

Study Plan

Bachelor of Pharmacy (**Clinical Pharmacy**)

Level (4) Semester (8)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC4210	Pharmaceutical Chemistry-2	2	1	3	Pharmaceutical Chemistry- 1	PHC4109
PHB4212	Drug Interaction	2	-	2	Clinical Pharmacology	CLP4102
MIM4205	Public Health	2	-	2	Parasitology and Pathology	MIM4104
PHB4213	Therapeutics-1	2	-	2	Clinical Pharmacology	CLP4102
CLP4203	Clinical Pharmacokinetics	2	-	2	Pharmacokinetics	PHT3207
PHB4214	Bioassay and Biostatistics	2	1	3	Pharmacology-2	PHB3209
ECP	Faculty Elective	2	-	2	Registration	-
STP4202	Summer training-2 *	-	2	2	Summer training-1	STP3201
Total		14	4	18		

(*) Summer training of 5 hours per day for 30 days in any of the pharmacy institutions and counted as 2 credit hours and graded as pass or fail.

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (5) Semester (9)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC5111	Pharmaceutical Chemistry-3	2	1	3	Pharmaceutical Chemistry-2	PHC4210
PHB5115	Therapeutics-2	2	-	2	Therapeutics-1	PHB4213
CLP5104	Oncology	2	1	3	Clinical Pharmacology	CLP4102
CLP5105	Clinical nutrition	2	-	2	Hospital Pharmacy	PHT3208
CLP5106	Gastroenterology	2	1	3	Clinical Pharmacology	CLP4102
MIM5106	Immunology	2	-	2	Parasitology and Pathology	MIM4104
PHT5109	Pharmacy Legislation	1	-	1	Registration	-
ECP	Faculty Elective	2	-	2	Registration	-
	Total	15	3	18		

Study Plan

Bachelor of Pharmacy (Clinical Pharmacy)

Level (5) Semester (10)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
CLP5207	Treatment of Dermatological and reproductive Diseases	2	1	3	Clinical Microbiology	MIM4103
CLP5208	Treatment of Paediatric diseases	2	1	3	Clinical Pharmacology	CLP4102
CLP5209	Treatment of cardiovascular diseases	2	1	3	Clinical Pharmacology	CLP4102
CLP5210	Treatment of respiratory system diseases	2	1	3	Clinical Pharmacology	CLP4102
CLP5211	Drug Information	2	-	2	Registration	-
CLP5212	Pharmacy Practice	2	-	2	Pharmacology-2	PHB3209
PHB5216	First Aid	2	-	2	Physiology-2	PHB2205
ECP	Faculty Elective	2	-	2	Registration	-
	Total	14	4	18		



Badr University in Cairo

Faculty of Pharmacy

Study Plan

Bachelor of Pharmacy

(Drug Manufacturing)

169 credit hours

The academic degrees awarded by Faculty of Pharmacy Badr University in Cairo are equivalent by the Egyptian Supreme Council of Universities Resolution No. 230 of 2019 with the same degrees awarded by the Egyptian universities subject to the Universities Organization Law No. 49 of 1972 and its executive regulations in the corresponding disciplines.

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (1) Semester (1)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHT1101	Pharmacy Orientation and History of Pharmacy	1	-	1	Registration	-
PHC1101	Physical Chemistry	2	-	2	Registration	-
PHG1101	Introduction to Pharmacognosy & Medicinal Plants	2	1	3	Registration	-
PHB1101	English language	2	-	2	Registration	-
PHB1102	Cell Biology	2	1	3	Registration	-
GMS1101	Anatomy	2	-	2	Registration	-
PHT1102	Profession Ethics *	1	-	1	Registration	-
ECG1101	Human Rights * (U.R.)	1	-	1	Registration	-
	Total	13	2	15		

(*) Pass/Fail

(U.R.) University Requirement

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (1) Semester (2)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC1202	Qualitative Analytical Chemistry	2	1	3	Physical Chemistry	PHC1101
PHC1203	Organic Chemistry -1	2	1	3	Registration	-
PHT1203	Physical Pharmacy	2	1	3	Physical Chemistry	PHC1101
PHB1203	Medical Terminology	2	-	2	Registration	-
GMS1202	Histology	2	-	2	Cell Biology	PHB1102
ECG1202	Scientific Thinking and Report Presentation * (U.R.)	1	-	1	Registration	-
ECU	University Elective Course *	1	-	1	Registration	-
Total		12	3	15		

(*) Pass/Fail

(U.R.) University Requirement

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (2) Semester (3)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC2104	Quantitative Analytical Chemistry-1	2	1	3	Qualitative Analytical Chemistry	PHC1202
PHC2105	Organic Chemistry-2	2	1	3	Organic Chemistry -1	PHC1203
PHT2104	Pharmaceutical Dosage Forms-1	2	1	3	Physical Pharmacy	PHT1203
PHG2102	Pharmacognosy-1	2	1	3	Introduction to Pharmacognosy & Medicinal Plants	PHG1101
PHB2104	Physiology	2	-	2	Registration	-
PHB2105	Biochemistry-1	2	1	3	Registration	-
Total		12	5	17		

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (2) Semester (4)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC2206	Quantitative Analytical Chemistry-2	2	1	3	Quantitative Analytical Chemistry-1	PHC2104
PHT2205	Pharmaceutical Dosage Forms-2	2	1	3	Pharmaceutical Dosage Forms-1	PHT2104
PHB2206	Biochemistry-2	2	1	3	Biochemistry-1	PHB2105
PHC2207	Organic Chemistry-3	2	1	3	Organic Chemistry-2	PHC2105
PHG2203	Pharmacognosy-2	2	1	3	Introduction to Pharmacognosy & Medicinal Plants	PHG1101
PHT2206	Drug Delivery Systems	2	-	2	Pharmaceutical Dosage Forms-1	PHT2104
ECU	University Elective Course *	1	-	1	Registration	-
Total		13	5	18		

(*) Pass/Fail

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (3) Semester (5)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC3108	Instrumental Analysis	2	1	3	Quantitative Analytical Chemistry-2	PHC2206
PHT3107	Pharmacokinetics	2	1	3	Pharmaceutical Dosage Forms-2	PHT2205
PHG3104	Phytochemistry-1	2	1	3	Pharmacognosy-2	PHG2203
PHB3107	Pharmacology-1	2	1	3	Physiology	PHB2104
MIM3101	Microbiology-1	2	1	3	Cell Biology	PHB1102
ECU	University Elective Course *	1	-	1	Registration	-
Total		11	5	16		

(*) Pass/Fail

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (3) Semester (6)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC3209	Instrumental and Applied Analysis	2	1	3	Instrumental Analysis	PHC3108
PHG3205	Phytochemistry-2	2	1	3	Phytochemistry-1	PHG3104
PHB3208	Pharmacology-2	2	1	3	Pharmacology-1	PHB3107
MIM3202	Microbiology-2	2	1	3	Microbiology-1	MIM3101
PHB3209	Clinical Biochemistry	2	1	3	Biochemistry-2	PHB2206
STP3201	Summer training-1 *	-	2	2	Registration	-
	Total	10	7	17		

(*) Summer training of 5 hours per day for 30 days in any of the pharmacy institutions and counted as 2 credit hours and graded as pass or fail.

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (4) Semester (7)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC4110	Pharmaceutical Analytical Chemistry	2	1	3	Instrumental and Applied Analysis	PHC3209
PHT4108	Industrial Pharmacy-1	2	1	3	Pharmaceutical Dosage Forms-2	PHT2205
PHB4110	Bioassay and Biostatistics	2	1	3	Pharmacology-2	PHB3208
PHC4111	Pharmaceutical Chemistry- 1	2	1	3	Organic Chemistry-3	PHC2207
MIM4103	Clinical Microbiology	2	-	2	Microbiology-2	MIM3202
EDM	Faculty Elective	2	-	2	Registration	-
MIM4104	Microbial Biotechnology	2	-	2	Microbiology-2	MIM3202
Total		14	4	18		

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (4) Semester (8)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC4212	Pharmaceutical Chemistry-2	2	1	3	Pharmaceutical Chemistry- 1	PHC4111
PHT4209	Industrial Pharmacy-2	2	1	3	Industrial Pharmacy-1	PHT4108
CLP4201	Clinical Pharmacokinetics	2	1	3	Pharmacokinetics	PHT3107
CLP4202	Clinical Pharmacology	2	-	2	Bioassay and Biostatistics	PHB4110
PHB4211	Toxicology & Forensic Toxicology	2	1	3	Pharmacology-2	PHB3208
EDM	Faculty Elective	2	-	2	Registration	-
STP4202	Summer training-2 *	-	2	2	Registration	-
Total		12	6	18		

(*). Summer training of 5 hours per day for 30 days in any of the pharmacy institutions and counted as 2 credit hours and graded as pass or fail.

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (5) Semester (9)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC5113	Pharmaceutical Chemistry-3	2	1	3	Pharmaceutical Chemistry-2	PHC4212
PHT5110	Quality Assurance	2	-	2	Industrial Pharmacy-2	PHT4209
CLP5103	Clinical Pharmacy	2	-	2	Clinical Pharmacology	CLP4202
MKT5101	Pharmaceutical Business Administration	1	-	1	Registration	-
PHC5114	Drug Design	2	-	2	Pharmaceutical Chemistry-2	PHC4212
MIM5105	Parasitology	2	1	3	Microbiology-2	MIM3203
MIM5106	Immunology	2	-	2	Microbiology-2	MIM3203
PHB5112	Therapeutics-1	2	-	2	Clinical Pharmacology	CLP4202
PHT5111	Pharmacy Legislation	1	-	1	Registration	-
	Total	16	2	18		

Study Plan

Bachelor of Pharmacy (**Drug Manufacturing**)

Level (5) Semester (10)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PHC5215	Drug Quality Control	2	1	3	Pharmaceutical Analytical Chemistry	PHC4110
MKT5202	Drug Marketing	2	-	2	Registration	-
MIM5207	Public Health	2	-	2	Immunology	MIM5106
PHB5213	Therapeutics-2	2	-	2	Therapeutics-1	PHB5112
PHT5212	Hospital Pharmacy	2	-	2	Clinical Pharmacy	CLP5103
PHB5214	Drug Interaction	2	-	2	Pharmacology-2	PHB3208
GMS5203	First Aid	1	-	1	Registration	-
CLP5204	Drug Information	1	-	1	Registration	-
EDM	Faculty Elective	2	-	2	Registration	-
	Total	16	1	17		