



Badr University in Cairo

Faculty of Pharmacy

Study Plan

Bachelor of Pharmacy

(PharmD - Clinical Pharmacy)

178 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 (**PharmD - Clinical Pharmacy**)

Level (1) Semester (1)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 101	Pharmaceutical Analytical Chemistry-I	2	1	3	Registration	--
PC 102	Pharmaceutical Organic Chemistry-I	2	1	3	Registration	--
PT 101	Pharmacy Orientation	1	-	1	Registration	--
PG 101	Medicinal Plants	2	1	3	Registration	--
MD 101	Medical Terminology	1	-	1	Registration	--
NP 101	Information Technology	1	1	2	Registration	--
MS 101	Mathematics	1	---	1	Registration	--
NP 102	Human Rights and Fighting Corruption	1	-	1	Registration	--
URE--	University Elective-I	1	---	1	Registration	--
Total		12	4	16		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (1) Semester (2)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Code		
PC 203	Pharmaceutical Analytical Chemistry-II	2	1	3	Pharmaceutical Analytical Chemistry-I	PC 101
PC 204	Pharmaceutical Organic Chemistry-II	2	1	3	Pharmaceutical Organic Chemistry-I	PC 102
PB 201	Cell Biology	1	1	2	Registration	--
MD 202	Anatomy	1	---	1	Registration	--
MD 203	Psychology	1	---	1	Registration	--
MD 204	Physiology and pathophysiology	2	---	2	Registration	--
PT 202	Physical Pharmacy	2	1	3	Registration	--
PG 202	Pharmacognosy I	2	1	3	Medicinal Plants	PG 101
	Total	13	5	18		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (2) Semester (3)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 305	Pharmaceutical Organic Chemistry-III	2	1	3	Pharmaceutical Organic Chemistry- II	PC 204
PB 302	Biochemistry-I	2	1	3	Registration	--
PG 303	Pharmacognosy-II	2	1	3	Medicinal Plants	PG 101
PO 301	Basic Pharmacology	2	1	3	Registration	--
MD 305	Histology	1	1	2	Registration	--
PT 303	Pharmaceutical dosage forms-I	2	1	3	Physical Pharmacy	PT 202
URE--	University Elective-II	1	---	1	Registration	--
	Total	12	6	18		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (2) Semester (4)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 406	Instrumental Analysis	2	1	3	Pharmaceutical Analytical Chemistry-II	PC 203
PO 402	Pharmacology –I	2	1	3	Basic Pharmacology	PO 301
PM 401	General Microbiology and Immunology	2	1	3	Registration	--
MD 406	Pathology	2	--	2	Registration	--
PT 404	Pharmaceutical Dosage Forms-II	2	1	3	Physical Pharmacy	PT 202
PB 403	Biochemistry-II	2	1	3	Biochemistry I	PB 302
NP 403	Scientific writing and Communication skills	1	---	1	Registration	--
NP 404	Pharmacy Legislation and practice ethics	1	--	1	Registration	--
	Total	14	5	19		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (3) Semester (5)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PO 503	Pharmacology-II	2	1	3	Pharmacology –I	PO 402
PM 502	Pharmaceutical Microbiology and Antimicrobials	2	1	3	General Microbiology and Immunology	PM 401
PM 503	Parasitology & Virology	2	1	3	General Microbiology and Immunology	PM 401
PT 505	Pharmaceutical Dosage Forms-III	2	1	3	Physical Pharmacy	PT 202
PG 504	Phytochemistry-I	2	1	3	Pharmacognosy-II	PG 303
PP 501	Community Pharmacy Practice	2	1	3	Pharmacology –I	PO 402
	Total	12	6	18		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (3) Semester (6)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PO 604	Pharmacology-III	2	1	3	Pharmacology-II	PO 503
PG 605	Phytochemistry-II	2	1	3	Phytochemistry-I	PG 504
PT 606	Pharmaceutical Technology	2	1	3	Pharmaceutical Dosage Forms-III	PT 505
PP 602	Hospital Pharmacy	2	1	3	Pharmacology -I	PO 402
PP 603	Clinical Pharmacy Practice	2	1	3	Pharmacology-II	PO 503
MD 607	First Aid and Basic Life Support (BLS)	1	1	2	Registration	--
	Total	11	6	17		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (4) Semester (7)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 707	Medicinal Chemistry-I	2	1	3	Pharmaceutical Organic Chemistry-III	PC 305
PO 705	Drug Information	1	1	2	Pharmacology-III	PO 604
PT 707	Advanced Drug Delivery Systems	2	-	2	Pharmaceutical Dosage Forms-III	PT 505
PT 708	Biopharmaceutics and Pharmacokinetics	2	1	3	Pharmaceutical dosage forms III	PT 505
PM 704	Medical Microbiology	2	1	3	Pharmaceutical Microbiology and Antimicrobials	PM 502
PC 708	Quality Control of Pharmaceuticals	1	1	2	Instrumental Analysis	PC 406
PE --	Elective course	1	1	2	Registration	--
	Total	11	6	17		

Study Plan

Bachelor of Pharmacy (PharmD - Clinical Pharmacy)

Level (4) Semester (8)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 809	Medicinal Chemistry-II	2	1	3	Medicinal Chemistry I	PC 707
PP 804	Management of Endocrine and Renal Disorders	2	1	3	Pharmacology III	PO 604
PP 805	Management of Oncological Diseases and Radiopharmacy	2	1	3	Pharmacology III	PO 604
PP 806	Clinical Pharmacokinetics	2	1	3	Biopharmaceutics and Pharmacokinetics	PT 708
PB 804	Clinical Biochemistry	2	1	3	Biochemistry II	PB 403
PM 805	Public Health and Preventive Medicine	2	--	2	Medical Microbiology	PM 704
PE ---	Elective Course	1	1	2	Registration	--
	Total	13	6	19		

Study Plan

Bachelor of Pharmacy (**PharmD - Clinical Pharmacy**)

Level (5) Semester (9)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PO 906	Basic & clinical Toxicology	2	1	3	Pharmacology-III	PO 604
PP 907	Management of Neuropsychiatric Diseases	2	1	3	Pharmacology-III	PO 604
PM 906	Biotechnology	2	--	2	Pharmaceutical Microbiology and Antimicrobials	PM 502
PG 906	Phytotherapy	2	--	2	Phytochemistry-II	PG 605
PB 905	Clinical Nutrition	2	--	2	Biochemistry-II	PB 403
NP 905	Marketing &Pharmacoeconomics	2	--	2	Registration	--
NP 906	Entrepreneurship	1	---	1	Registration	--
PE --	Elective Course	1	1	2	Registration	--
	Total	14	3	17		

Study Plan

Bachelor of Pharmacy (PharmD - Clinical Pharmacy)

Level (5) Semester (10)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PP 008	Management of Critical Care Patients	1	1	2	Pharmacology-III	PO 604
PP 009	Management of Dermatological, Reproductive and Musculoskeletal Diseases	2	1	3	Pharmacology-II	PO 503
PP 010	Management of Pediatric Diseases	2	1	3	Pharmacology-III	PO 604
PP 011	Management of Cardiovascular Diseases	2	1	3	Pharmacology-III	PO 604
PP 012	Management of Gastrointestinal Diseases	2	1	3	Pharmacology-III	PO 604
PP 013	Management of Respiratory Diseases	1	1	2	Pharmacology-III	PO 604
PP 014	Clinical Research and Pharmacovigilance	1	--	1	Drug information	PO 705
PE --	Elective Course	1	1	2	Registration	--
	Total	12	7	19		



Badr University in Cairo

Faculty of Pharmacy

Study Plan

Bachelor of Pharmacy

(PharmD)

175 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 (**PharmD**)

Level (1) Semester (1)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 101	Pharmaceutical Analytical Chemistry-I	2	1	3	Registration	--
PC 102	Pharmaceutical Organic Chemistry-I	2	1	3	Registration	--
PT 101	Pharmacy Orientation	1	---	1	Registration	--
PG 101	Medicinal Plants	2	1	3	Registration	--
MD 101	Medical Terminology	1	---	1	Registration	--
NP 101	Information Technology	1	1	2	Registration	--
MS 101	Mathematics	1	---	1	Registration	--
NP 102	Human Rights and Fighting Corruption	1	---	1	Registration	--
URE 1	University requirement elective	1	---	1	Registration	--
	Total	12	4	16		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (1) Semester (2)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 203	Pharmaceutical Analytical Chemistry-II	2	1	3	Pharmaceutical Analytical Chemistry-I	PC 101
PC 204	Pharmaceutical Organic Chemistry-II	2	1	3	Pharmaceutical Organic Chemistry-I	PC 102
PG 202	Pharmacognosy-I	2	1	3	Medicinal Plants	PG 101
PT 202	Physical Pharmacy	2	1	3	Registration	--
PB 201	Cell Biology	1	1	2	Registration	--
MD 202	Anatomy	1	--	1	Registration	--
MD 203	Histology	1	1	2	Registration	--
MD 204	Psychology	1	---	1	Registration	--
	Total	12	6	18		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (2) Semester (3)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 305	Pharmaceutical Analytical Chemistry-III	2	1	3	Pharmaceutical Analytical Chemistry-II	PC 203
PC 306	Pharmaceutical Organic Chemistry-III	2	1	3	Pharmaceutical Organic Chemistry-II	PC 204
PT 303	Pharmaceutics-I	2	1	3	Physical Pharmacy	PT 202
PG 303	Pharmacognosy-II	2	1	3	Medicinal Plants	PG 101
NP 303	Scientific Writing and communication skills	2	1	3	Registration	--
MD 305	Physiology and Pathophysiology	2	1	3	Registration	--
	Total	12	6	18		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (2) Semester (4)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 407	Instrumental Analysis	2	1	3	Pharmaceutical Analytical Chemistry-III	PC 305
PB 402	Biochemistry-I	2	1	3	Registration	--
PT 404	Pharmaceutics-II	2	1	3	Physical Pharmacy	PT 202
MD 406	Pathology	1	1	2	Histology	MD 203
PM 401	General Microbiology and Immunology	2	1	3	Registration	--
URE 2	University requirement elective	1	---	1	Registration	--
	Total	10	5	15		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (3) Semester (5)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PB 503	Biochemistry-II	2	1	3	Biochemistry-I	PB 402
PM 502	Pharmaceutical Microbiology	2	1	3	General Microbiology and Immunology	PM 401
PG 504	Phytochemistry-I	2	1	3	Pharmacognosy-II	PG 303
PT 505	Pharmaceutics-III	2	1	3	Physical Pharmacy	PT 202
PM 503	Parasitology & Virology	2	1	3	General Microbiology and Immunology	PM 401
PO 501	Pharmacology-I	2	1	3	Physiology & Pathophysiology	MD 305
	Total	12	6	18		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (3) Semester (6)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PO 602	Pharmacology-II	2	1	3	Pharmacology-I	PO 502
PB 604	Clinical Biochemistry	2	1	3	Biochemistry-II	PB 503
PT 606	Biopharmaceutics and Pharmacokinetics	2	1	3	Pharmaceutics-I	PT 303
PG 605	Phytochemistry-II	2	1	3	Phytochemistry-I	PG 504
PT 607	Pharmaceutics-IV	2	1	3	Physical Pharmacy	PT 202
PC 608	Medicinal Chemistry-I	2	1	3	Pharmaceutical Organic Chemistry-III	PC 306
	Total	12	6	18		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (4) Semester (7)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PP 701	Clinical Pharmacokinetics	2	1	3	Biopharmaceutics and Pharmacokinetics	PT 606
PC 709	Medicinal Chemistry-II	2	1	3	Medicinal Chemistry-I	PC 608
PO 703	Pharmacology-III	2	1	3	Pharmacology-II	PO 602
PG 706	Phytotherapy and Aromatherapy	2	1	3	Phytochemistry-II	PG 605
PM 704	Medical Microbiology	2	1	3	Pharmaceutical Microbiology	PM 502
PT 708	Pharmaceutical Technology-I	2	1	3	Pharmaceutics-IV	PT 607
PE---	Elective	1	1	2	Registration	--
	Total	13	7	20		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (4) Semester (8)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 810	Medicinal Chemistry-III	2	--	2	Medicinal Chemistry- I	PC 608
PO 804	Basic and clinical toxicology	2	1	3	Pharmacology-III	PO 703
PO 805	Drug Information	1	1	2	Pharmacology-III	PO 703
PP 802	Hospital Pharmacy	1	1	2	Pharmacology-III	PO 703
PT 809	Pharmaceutical Technology-II	2	1	3	Pharmaceutical Technology-I	PT 708
PP 803	Community Pharmacy Practice	2	1	3	Pharmacology-III	PO 703
PE ---	Elective	1	1	2	Registration	--
	Total	11	6	17		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (5) Semester (9)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PM 905	Biotechnology	2	--	2	Pharmaceutical Microbiology	PM 502
PP 904	Clinical Pharmacy-I	2	1	3	Pharmacology-III	PO 703
PC 911	Drug Design	2	--	2	Medicinal Chemistry- I	PC 608
PM 906	Public Health	2	--	2	Medical Microbiology	PM 705
PG 907	Applied & Forensic Pharmacognosy	2	--	2	Phytochemistry-II	PG 605
PT 910	Good Manufacturing Practice	2	--	2	Pharmaceutical Technology-II	PT 809
PO 906	Biostatistics	1	-	1	Registration	--
NP 904	Marketing & Pharmacoeconomics	2	--	2	Registration	--
PE ---	Elective	1	1	2	Registration	--
	Total	16	2	18		

Study Plan

Bachelor of Pharmacy (**PharmD**)

Level (5) Semester (10)

Course Code	Course Title	Credit Hours			Prerequisite	Code
		Lecture	Practical/ Tutorial	Total		
PC 012	Quality Control of Pharmaceuticals	2	1	3	Instrumental Analysis Pharmaceutical Microbiology	PC 407 PM 502
MD 007	First Aid	1	--	1	Pharmacology-III	PO 703
PP 005	Drug interaction	2	--	2	Pharmacology-III	PO 703
PT 011	Advanced Drug Delivery Systems	2	--	2	Pharmaceutics-IV	PT 607
PP 006	Clinical Pharmacy-II & Pharmacotherapeutics	1	1	2	Clinical Pharmacy-I	PP 904
PP 007	Clinical Research, Pharmacoepidemiology & Pharmacovigilance	1	1	2	Clinical Pharmacy-I	PP 904
NP 005	Pharmaceutical Legislations and Regulatory Affairs & Professional Ethics	1	--	1	Registration	--
NP 006	Entrepreneurship	1	1	2	Registration	--
PE ---	Elective	1	1	2	Registration	--
	Total	12	5	17		