

Department of Clinical Analysis**M.Sc in Physiology****1st Semester**

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced physiology	4	60	11	165	9
Advanced clinical biochemistry	3	45	7	105	6
Hematology	4	60	11	165	9
Biostatistics	2	30	3	45	3
Advanced research methodology	2	30	3	45	3
Total	15	225	35	525	30

M.Sc in Physiology**2nd Semester**

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced physiology	4	60	11	165	9
Advanced Biochemistry	3	45	7	105	6
Advanced Histology	4	60	11	165	9
Immunology	2	30	3	45	3
Advanced Molecular Biology	2	30	3	45	3
Total	15	225	35	525	30

Department of Clinical Pharmacy
M.Sc in Clinical Pharmacy
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Therapeutics I	4	60	11	165	9
Pathophysiology	3	45	7	105	6
Clinical Pharmacology I	4	60	11	165	9
Biostatistics	2	30	3	45	3
research methodology	2	30	3	45	3
Total	15	225	35	525	30

M.Sc in Clinical Pharmacy
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Therapeutics II	4	60	11	165	9
Case study	2	30	3	45	3
Advanced Clinical Pharmacokinetics	4	60	11	165	9
Medical pharmacology	3	45	7	105	6
Advanced Clinical Toxicology	2	30	3	45	3
Total	15	225	35	525	30

MSc in Community Pharmacy
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Community Pharmacy	4	60	11	165	9
Advanced Pharmacy Practice	3	45	7	105	6
Public Health	4	60	11	165	9
Biostatistics	2	30	3	45	3
research methodology	2	30	3	45	3
Total	15	225	35	525	30

MSc in Community Pharmacy
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Pharmacovigilance	4	60	11	165	9
Pharmacoeconomics and healthcare financial management	2	30	3	45	3
Patient assessment	3	45	7	105	6
Advanced Community Pharmacy II	4	60	11	165	9
Clinical Pharmacy	2	30	3	45	3
Total	15	225	35	525	30

Department of Pharmaceutical Chemistry
M .Sc in Pharmaceutical Chemistry
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Pharmaceutical Chemistry I	4	60	11	165	9
Advanced Organic Chemistry	3	45	7	105	6
Structure activity relationship	4	60	11	165	9
Advanced Research methodology	2	30	3	45	3
Biostatistics	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Pharmaceutical Chemistry
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Pharmaceutical Chemistry II	4	60	11	165	9
Heterocyclic Chemistry	4	60	11	165	9
Advanced Pharmaceutical analysis	3	45	7	105	6
Retro Synthesis	2	30	3	45	3
Special Problems	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Pharmacognosy
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Organic Chemistry	3	45	7	105	6
Advanced Separation techniques	4	60	11	165	9
Therapeutic Uses of plants	4	60	11	165	9
Advanced Research methodology	2	30	3	45	3
Biostatistics	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Pharmacognosy
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Pharmaceutical analysis	3	45	7	105	6
Chemistry of natural products	4	60	11	165	9
Special Problems in herbal medicines	2	30	3	45	3
Selected topics in Pharmacognosy	4	60	11	165	9
Plant taxonomy	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Organic Chemistry
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Organic Chemistry I	4	60	11	165	9
Reaction mechanism	4	60	11	165	9
Invitro evaluation of Organic Compounds	3	45	7	105	6
Biostatistics	2	30	3	45	3
Advanced Research methodology	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Organic Chemistry
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Organic Chemistry II	4	60	11	165	9
Stereochemistry	3	45	7	105	6
Advanced Pharmaceutical analysis	2	30	3	45	3
Heterocyclic Chemistry	4	60	11	165	9
Pharmaceutical Chemistry	2	30	3	45	3
Total	15	225	35	525	30

Department of Pharmaceutics
M .Sc in Cosmetics
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced biopharmaceutics & Pharmacokinetics	4	60	11	165	9
Anatomy & Physiology of Skin	3	45	7	105	6
Advanced pharmaceutical Technology	4	60	11	165	9
Advanced Research methodology	2	30	3	45	3
Biostatistics	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Cosmetics
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Drug Delivery & Biotechnology	4	60	11	165	9
Scientific Principle in cosmetics	3	45	7	105	6
Advanced skin care	4	60	11	165	9
Advanced instrumental Analysis	2	30	3	45	3
Natural Products in Cosmetics	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Pharmaceutics
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced biopharmaceutics & Pharmacokinetics	4	60	11	165	9
Advanced Physical pharmacy	3	45	7	105	6
Advanced pharmaceutical Technology	4	60	11	165	9
Advanced Research methodology	2	30	3	45	3
Biostatistics	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in pharmaceutics
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Drug Delivery & Biotechnology	4	60	11	165	9
Product Development	3	45	7	105	6
Selected topics in pharmaceutics	4	60	11	165	9
Advanced Instrumental Analysis	2	30	3	45	3
Special problem	2	30	3	45	3
Total	15	225	35	525	30

Department of Pharmacology
M .Sc in Pharmacy management
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Pharmacy management	4	60	11	165	9
Community pharmacy	4	60	11	165	9
Human resource management	3	45	7	105	6
Biostatistics	2	30	3	45	3
Advanced Research methodology	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Pharmacy Management
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Community Pharmacy	2	30	3	45	3
Health administration	4	60	11	165	9
Pharmaco-economic and healthcare financial Management	3	45	7	105	6
Strategic planning	2	30	3	45	3
Marketing and Communication Skills	4	60	11	165	9
Total	15	225	35	525	30

M .Sc in Pharmacology
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Pharmacology	4	60	11	165	9
Pathophysiology	3	45	7	105	6
Cell and Molecular Biology	4	60	11	165	9
Biostatistics	2	30	3	45	3
Advanced Research methodology	2	30	3	45	3
Total	15	225	35	525	30

M .Sc in Pharmacology
2nd Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Pharmacology	4	60	11	165	9
Molecular Pharmacology	4	60	11	165	9
Clinical Toxicology	3	45	7	105	6
Selected topics in Pharmacology	2	30	3	45	3
Techniques and Animal Models Diseases	2	30	3	45	3
Total	15	225	35	525	30

Note: yellow higlited referes to subjects they have review articles within semsters.