

Department of Clinical Analysis
PhD. in Immunogenetics
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Immunology	4	60	11	165	9
Advanced molecular biology	4	60	11	165	9
Pathology	3	45	7	105	6
nanotechnology	2	30	3	45	3
Advanced research methodology	2	30	3	45	3
Total	15	225	35	525	30

PhD. in Molecular Microbiology
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Immunology	4	60	11	165	9
Advanced molecular biology	4	60	11	165	9
Medical microbiology	3	45	7	105	6
nanotechnology	2	30	3	45	3
Advanced research methodology	2	30	3	45	3
Total	15	225	35	525	30

PhD. in Medical Microbiology
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Immunology	3	45	7	105	6
Medical microbiology	4	60	11	165	9
Medical mycology	4	60	11	165	9
Advanced biotechnology	2	30	3	45	3
Advanced research methodology	2	30	3	45	3
Total	15	225	35	525	30

PhD. in Clinical Biochemistry
1st Semester

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

Department of Pharmaceutical Chemistry and Pharmacognosy
Ph.D in Microbial Biotechnology
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Medical Microbiology	2	30	3	45	3
Molecular microbiology	3	45	7	105	6
Advanced Separation techniques	4	60	11	165	9
Advanced Biotechnology	4	60	11	165	9
Advanced Computer skills	2	30	3	45	3
Total	15	225	35	525	30

Ph.D in Organic Chemistry
1st Semester

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced spectroscopy	4	60	11	165	9
Advanced stereochemistry	3	45	7	105	6
Advanced medicinal chemistry	4	60	11	165	9
Evaluation of biological activity	2	30	3	45	3
Advanced Computer skills	2	30	3	45	3
Total	15	225	35	525	30

Department of Pharmaceutics
PhD. in pharmaceutics
1st (semester)

Subject	Contact learning		Non-contact learning		ECTS score
	Hrs/Week	Hrs/Semester	Hrs/Week	Hrs/Semester	
Advanced Drug Delivery & Bio technology	4	60	11	165	9
Product Development	4	60	11	165	9
Advanced instrumental Analysis	3	45	7	105	6
Advanced Research methodology	2	30	3	45	3
Special problem	2	30	3	45	3
Total	15	225	35	525	30

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