

Academic Syllabus \ پروگرامی خویندن : Bologna Process –College of Pharmacy

**A- First Year (First Semester):**

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	<b>University work Environment</b>	DU		2	3	0	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4
2	<b>Kurdology</b>	DU		2	0	0	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
3	<b>English Language (Listening + Speaking)</b>	CD		4	3	0	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4	Analytical Chemistry	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
5	Human Biology	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6	Computer skills	CD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										<b>30</b>

**Tips:**

Discipline type	Notation	Weight%
Fundamental (General) Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

## B- First Year (Second Semester)

No	Discipline\ Module	Notation	Code	Second Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	<b>Professional Skills</b>	DU		2	3	0	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4
2	<b>English Language (Reading + Writing)</b>	CD		4	3	0	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
3	<b>Physical Education</b>	DU		2	3	0	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3
4	Organic Chemistry I *	FD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
5	Pharmaceutical Orientation and Calculation I *	PF		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8
6	Human Genetics	FD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										<b>30</b>

\* The student should pass successfully in this subject to attend next year modules.

Discipline type	Notation	Weight%
Fundamental (General)Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

### A. Second Year (First Semester)

No	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Organic Chemistry II *	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2	Human Histology *	FD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
3	Microbiology I	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
4	Pharmaceutical Orientation and Calculation II *	PF		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
5	Medical Physiology I *	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6	Physical Pharmacy I *	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
Total per Week:										30

Tips:

Discipline type	Notation	Weight%
Fundamental (General)Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

## B. Second Year (Second Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Organic Chemistry III *	PF		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2	Pharmacoeconomics and Accounting	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
3	Medical Physiology II *	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4	Microbiology II	FD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
5	Immunology	FD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
6	Physical Pharmacy II *	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
Total per Week:										30

**\* The student should pass successfully in this subject to attend next year modules.**

Tips:

Discipline type	Notation	Weight%
Fundamental (General)Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

### A. Third Year (First Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Biochemistry I *	PF		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
2	Pharmacognosy I	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
3	Pharmacology I *	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4	Medicinal Chemistry I *	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
5	Pharmaceutical Compounding I (Pharmaceutical Technology I) *	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
6	Pathology	PF		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										30

#### Tips:

Discipline type	Notation	Weight%
Fundamental (General) Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

## B. Third Year (Second Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Pharmacognosy II	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2	Pharmacology II *	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
3	Medicinal Chemistry II *	SD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
4	Pathophysiology	PF		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
5	Pharmaceutical Compounding II (Pharmaceutical Technology II) *	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
6	Biochemistry II *	PF		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										30

**\* The student should pass successfully in this subject to attend next year modules.**

Tips:

Discipline type	Notation	Weight%
Fundamental (General) Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

### A. Fourth Year (First Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Pharmacology III *	SD		4	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2	Medicinal Chemistry III	SD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
3	Biopharmaceutics	SD		2	3	0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
4	Drug Informatics	PF		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
5	Public Health	CD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2
6	Therapeutics I	SD		3	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
7	Pharmacy Management and Communication Skills	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										30

#### Tips:

Discipline type	Notation	Weight%
Fundamental (General) Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

## B. Fourth Year (Second Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Toxicology *	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
2	Medicinal Chemistry IV	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
3	Pharmacokinetics *	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
4	Therapeutics II	SD		3	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
5	Biostatistics	SD,CD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
6	Pharmacy Practice Experience	SD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
7	Community Pharmacy, Law and Ethics	SD		2	2	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										30

**\* The student should pass successfully in this subject to attend next year modules.**

Tips:

Discipline type	Notation	Weight%
Fundamental (General) Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100



### A. Fifth Year (First Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Therapeutics III	SD		3	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
2	Industrial Pharmacy I	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
3	Clinical Biochemistry	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4	Clinical Toxicology	SD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
5	Research Methodology *	SD		2	0	0	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
6	Pharmaceutical Analysis	SD		2	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										30

\* The student should pass successfully in this subject to attend the next SEMESTER modules.

#### Tips:

Discipline type	Notation	Weight%
Fundamental (General)Disciplines	FD	(17-20) %
Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

## B. Fifth Year (Second Semester)

No.	Discipline\ Module	Notation	Code	First Semester (16 Week)						ECTS
				No. of Hours per week				Final Evaluation		
				Theory	Practical	LAB	Project	Exam	Continuous Evaluation	
1	Industrial Pharmacy II	SD		3	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2	Hospital Lab Training	SD		1	3	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
3	Graduation Research Project	DU		0	0	0	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4
4	Clinical Pharmacokinetics	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
5	Cosmetics	SD		1	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
6	Medicinal Chemistry V (Prodrug)	SD		2	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
7	Hospital ward Training & Case studies	SD		0	4	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5
Total per Week:										30

### Tips:

Discipline type	Notation	Weight%
Fundamental (General) Disciplines	FD	(17-20) %
2 Preparatory Disciplines in the Field	PF	(35-37) %
Specialty Disciplines	SD	(25-28) %
Complementary Disciplines	CD	(8-10) %
Disciplines according to University option	DU	(10-15)%
Total:		%100

**Note: All the disciplines of the College of Pharmacy –University of Sulaimani are Mandatory Disciplines (MD) in this curriculum.**