مصفوفة تحقيق المقررات الدراسية لنواتج التعلم المستهدفة لبرنامج بكالوريوس الصيدله 2020-2019

Program ILOS

Knowledge and Undestanding

Year	No.	Program Courses	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37	A38	A39	A40	A41
الفرقة الأولى	1	Analytical chemistry-1	√										√																														
	2	Pharmaceutical Organic Chemistry-1	√													√	√																										
	3	Botany and Plant Taxonomy		√	√																																						
	4	General and Physical Chemistry	√								√																																
	5	Pharmaceutics-1		√														√																									
	6	English and Medical Terminology	√																																								
	7	Analytical chemistry-2	√										√																														
	8	Pharmaceutical Organic Chemistry-2	√														√																										
	9	Pharmacognosy 1		√										√																													
	10	Pharmaceutics-2		√							√																																
	11	Mathematics and Statistics	√																																		√						
	12	Human Rights and Professional Ethics					√																																				
الفرقة الثانية	1	Analytical chemistry-3	√										√																									√					
	2	Pharmaceutical Organic Chemistry-3	√														√																										
	3	Pharmacognosy 2		√	√									√																													
	4	Pharmaceutics-3		√														√		√																							
	5	Anatomy & Histology				√														√						√			√														
	6	Drug Marketing and Communication Skills						√																																√			
	7	Analytical chemistry 4	√										√																									√					
	8	Pharmaceutical Organic Chemistry-4	√														√																										
	9	Pharmaceutics-4		√														√																								√	
	10	General Microbiology + Immunology		√		√																							√														
	11	Physiology				√																				√																	
	12	Psychology					√																																				
الفرقة الثالثة	1	Biopharmaceutics and Pharmacokinetics		√																	√																	√					
	2	Chromatography of Natural Products		√										√																													
	3	Pharmacology 1		√		√																									√	√											
	4	Biochemistry 1				√																					√																
	5	Medicinal Chemistry-1		√														√															√											
	6	Pharmaceutical Microbiology		√																√				√	√																		
	7	Sterile Products and Controlled Drug Delivery Systems		√														√	√						√																		
	8	Phytochemistry-1												√																		√											
	9	Pharmacology 2																											√		√	√											
	10	Biochemistry 2				√																					√																
	11	Parasitology and Pathology				√																							√	√	√												
	12	Medicinal Chemistry-2		√														√															√											
الفرقة الرابعه	1	Phytochemistry 2												√																		√											
	2	Clinical Biochemistry 1				√																					√		√	√													
	3	Bioassay 1		√					√						√																						√				√		
	4	Toxicology 1							√																										√	√								
	5	Medicinal Chemistry 3															√															√											
	6	Medical Microbiology				√																							√	√													
	7	Hospital Pharmacy and Clinical Pharmacy								√												√											√										
	8	Biotechnology of Natural Product		√								√																																
	9	Clinical Biochemistry 2																								√	√	√	√	√													
	10	Bioassay 2																								√									√	√								
	11	Toxicology 2							√																										√	√								
	12	Medicinal Chemistry 4											√			√	√				√																	√					
	13	Biotechnology		√								√					√											√															
الفرقه الخامسه	1	Community Pharmacy								√																					√												
	2	Industrial Pharmacy 1		√																√																							
	3	Applied Pharmacognosy											√	√																													
	4	Clinical Pharmacology																											√	√	√		√										
	6	Pharmacotherapy																											√	√	√		√										
	7	Public Health							√														√			√																	
	8	Industrial Pharmacy 2		√																√																							
	9	Phytotherapy								√																								√									
	10	Quality Control									√		√	√																								√					
	11	Drug Design									√					√	√				√																						
	12	Production of Raw Materials									√					√	√																										
	13	Accounting and Business Administration						√																															√	√			
Elective Cours	1	Clinical Nutrition (elective)								√																√	√		√	√				√									
	2	Advanced Pharmacology (elective)				√																										√											
	3	Heterocyclic synthesis of drugs (elective)												√		√	√																										
	4	Manufacturing and production of crude drugs of natural origin (elective)											√	√																													
	5	Forensic chemistry (elective)							√					√	√																												
	6	Good Manufacturing Practice (GMP) (elective)		√																√																							
		Research Project																																									
التدريب الصيفي	1	Summer training					√	√		√																								√					√	√	√	√	
		Number of courses covered by each program ILOs	11	21	3	10	3	3	5	5	5	2	7	10	2	5	12	4	1	6	3	1	1	1	2	6	5	2	10	7	6	8	3	3	3	3	2	5	2	3	2	2	2

Professional and Practical skills

Year	No.	Program Courses	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22
الفرقة الأولى	1	Analytical chemistry-1		√				√																
	2	Pharmaceutical Organic Chemistry-1		√					√															√
	3	Botany and Plant Taxonomy		√				√																
	4	General and Physical Chemistry		√				√																
	5	Pharmaceutics-1		√		√																		
	6	English and Medical Terminology	√																					
	7	Analytical chemistry-2		√				√																
	8	Pharmaceutical Organic Chemistry-2		√					√															
	9	Pharmacognosy 1		√				√																
	10	Pharmaceutics-2						√																
	11	Mathematics and Statistics																						
	12	Human Rights and Professional Ethics																						
الفرقة الثانية	1	Analytical chemistry-3		√					√															
	2	Pharmaceutical Organic Chemistry-3		√				√																
	3	Pharmacognosy 2		√				√																
	4	Pharmaceutics-3		√		√																	√	
	5	Anatomy & Histology	√																		√			
	6	Drug Marketing and Communication Skills																						
	7	Analytical chemistry 4		√					√								√							
	8	Pharmaceutical Organic Chemistry-4		√				√																
	9	Pharmaceutics-4		√		√																	√	
	10	General Microbiology + Immunology	√	√									√											
	11	Physiology	√																					
	12	Psychology																						
الفرقة الثالثة	1	Biopharmaceutics and Pharmacokinetics																						
	2	Chromatography of Natural Products		√				√									√				√			
	3	Pharmacology 1		√				√																
	4	Biochemistry 1		√								√	√											
	5	Medicinal Chemistry-1		√				√													√			
	6	Pharmaceutical Microbiology	√	√														√						
	7	Sterile Products and Controlled Drug Delivery Systems																					√	
	8	Phytochemistry-1		√				√													√			
	9	Pharmacology 2			√			√																
	10	Biochemistry 2		√									√											
	11	Parasitology and Pathology	√						√		√	√											
	12	Medicinal Chemistry-2		√				√													√			
الفرقة الرابعه	1	Phytochemistry 2		√				√													√			
	2	Clinical Biochemistry 1		√									√											
	3	Bioassay 1		√					√												√	√		
	4	Toxicology 1		√												√	√								
	5	Medicinal Chemistry 3		√					√															
	6	Medical Microbiology										√												
	7	Hospital Pharmacy and Clinical Pharmacy		√		√	√													√			√	
	8	Biotechnology of Natural Product	√	√					√															
	9	Clinical Biochemistry 2		√										√										
	10	Bioassay 2		√												√	√								
	11	Toxicology 2		√												√	√								
	12	Medicinal Chemistry 4															√				√			
	13	Biotechnology	√																					
الفرقه الخامسه	1	Community Pharmacy																√	√					
	2	Industrial Pharmacy 1															√						√	√
	3	Applied Pharmacognosy							√															
	4	Clinical Pharmacology	√							√	√													
	6	Pharmacotherapy								√	√													
	7	Public Health																√					√	
	8	Industrial Pharmacy 2				√																		
	9	Phytotherapy								√									√					
	10	Quality Control		√				√																
	11	Drug Design																			√			
	12	Production of Raw Materials		√					√															
	13	Accounting and Business Administration																						
Elective Cours	1	Clinical Nutrition (elective)								√										√				
	2	Advanced Pharmacology (elective)		√	√																			
	3	Heterocyclic synthesis of drugs (elective)		√					√															
	4	Manufacturing and production of crude drugs of natural origin (elective)	√					√																
	5	Forensic chemistry (elective)						√																
	6	Good Manufacturing Practice (GMP) (elective)				√											√				√			
		Research Project																			√			
التدريب الصيفي	1	Summer training	√	√														√	√	√				
		Number of courses covered by each program ILOs	11	39	2	6	1	19	10	5	2	3	5	1	3	3	5	4	3	3	11	1	6	2

Intellectual skills / Transferable and General skills

Year	No.	Program Courses	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
الفرقة الأولى	1	Analytical chemistry-1						√																								√
	2	Pharmaceutical Organic Chemistry-1									√											√		√						√		
	3	Botany and Plant Taxonomy																		√		√		√								√	
	4	General and Physical Chemistry							√											√				√								√	√
	5	Pharmaceutics-1	√																			√		√								√
	6	English and Medical Terminology																		√		√									√	
	7	Analytical chemistry-2						√																								√
	8	Pharmaceutical Organic Chemistry-2									√											√		√						√		
	9	Pharmacognosy 1			√						√													√		√				√	√	
	10	Pharmaceutics-2	√																√		√		√								√
	11	Mathematics and Statistics																			√					√						√
	12	Human Rights and Professional Ethics																				√		√					√			√
الفرقة الثانية	1	Analytical chemistry-3						√				√								√				√				√		√	√	
	2	Pharmaceutical Organic Chemistry-3									√	√										√		√						√	√	
	3	Pharmacognosy 2							√		√											√	√	√						√		
	4	Pharmaceutics-3	√																						√			√				√
	5	Anatomy & Histology																		√	√										√	√
	6	Drug Marketing and Communication Skills																			√	√			√							√
	7	Analytical chemistry 4						√				√								√				√				√		√	√	
	8	Pharmaceutical Organic Chemistry-4										√												√				√		√	√	
	9	Pharmaceutics-4	√							√														√								√
	10	General Microbiology + Immunology																		√		√		√		√					√	
	11	Physiology														√														√		
	12	Psychology																			√			√					√			√
الفرقة الثالثة	1	Biopharmaceutics and Pharmacokinetics															√			√				√		√				√		√
	2	Chromatography of Natural Products									√									√		√		√							√	
	3	Pharmacology 1														√				√				√							√	
	4	Biochemistry 1						√												√				√			√			√	√	
	5	Medicinal Chemistry-1			√			√	√															√							√	√
	6	Pharmaceutical Microbiology			√										√							√	√									√
	7	Sterile Products and Controlled Drug Delivery Systems		√																√				√		√						√
	8	Phytochemistry-1			√						√												√	√	√						√	√
	9	Pharmacology 2														√				√				√	√						√	
	10	Biochemistry 2																		√				√			√				√	
	11	Parasitology and Pathology														√				√		√	√									√
	12	Medicinal Chemistry-2			√				√															√							√	√
الفرقة الرابعه	1	Phytochemistry 2			√						√												√	√	√						√	√
	2	Clinical Biochemistry 1			√															√	√	√	√	√							√	√
	3	Bioassay 1										√								√				√	√					√	√	
	4	Toxicology 1														√								√								√
	5	Medicinal Chemistry 3			√			√	√														√	√							√	
	6	Medical Microbiology													√					√		√				√					√	√
	7	Hospital Pharmacy and Clinical Pharmacy					√											√				√		√								√
	8	Biotechnology of Natural Product										√												√		√						√
	9	Clinical Biochemistry 2			√		√													√	√	√	√	√							√	√
	10	Bioassay 2														√		√						√								√
	11	Toxicology 2														√		√						√								√
	12	Medicinal Chemistry 4			√			√																√				√			√	√
	13	Biotechnology										√								√		√		√		√		√			√	
الفرقه الخامسه	1	Community Pharmacy														√						√		√							√	
	2	Industrial Pharmacy 1				√																										√
	3	Applied Pharmacognosy						√	√														√	√							√	√
	4	Clinical Pharmacology														√								√							√	√
	6	Pharmacotherapy														√		√				√	√	√			√				√	
	7	Public Health													√					√		√				√						√
	8	Industrial Pharmacy 2				√																		√		√						√
	9	Phytotherapy														√					√		√	√							√	√
	10	Quality Control			√			√	√														√	√				√			√	
	11	Drug Design						√					√					√					√	√	√							√
	12	Production of Raw Materials										√	√											√		√		√		√	√	
	13	Accounting and Business Administration																	√					√		√		√	√	√		√
Elective Cours	1	Clinical Nutrition (elective)														√						√		√	√		√				√	√
	2	Advanced Pharmacology (elective)																√		√							√	√			√	√
	3	Heterocyclic synthesis of drugs (elective)										√																		√	√
	4	Manufacturing and production of crude drugs of natural origin (elective)									√	√											√	√							√	√
	5	Forensic chemistry (elective)						√						√							√		√								√	√
	6	Good Manufacturing Practice (GMP) (elective)			√	√																										√
		Research Project																		√	√		√	√	√	√				√	√	√
التدريب الصيفي	1	Summer training														√	√	√			√	√	√	√	√			√	√			√
		Number of courses covered by each program ILOs	4	1	12	3	2	12	7	1	9	10	2	1	3	13	2	7	1	23	10	24	17	51	10	13	5	11	4	14	29	42