



2007

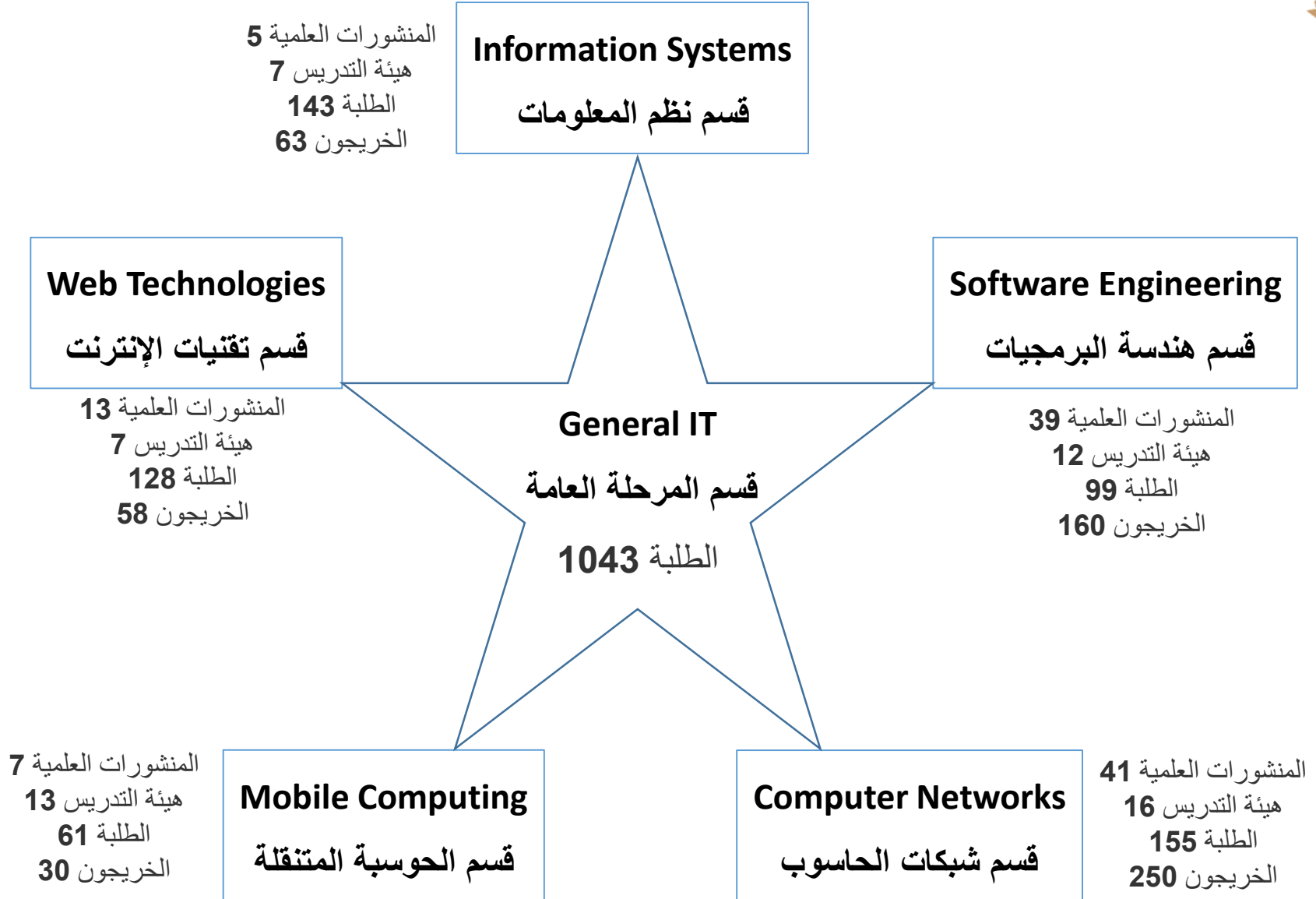
ملتقى استقبال طلبة ربيع 2023



التمريف بأقسام الكلية

د. رضوان حسين

وكيل الكلية للشؤون العلمية





ITPH111

Information Technology

**University Topics:
PH, MM, ST, AR, EL**

Studying Year

Semester: 1 Fall, 2 Spring

Counter



ITGS126

Information Technology

General Science

Studying Year

Semester: 1 Fall, 2 Spring

Counter



ITSE411

Information Technology

Department Name:

NT, SE, IS, WT, MC

Studying Year

Semester: 1 Fall, 2 Spring

Counter



2007

ملتحقي استقبال طلبخ ريب 2023

مواد قسم المرحلة العامة General IT



Semester	No	Course #	Course Title	Units	End of Semester	Prerequisites
Year 1: First Semester	1	ITGS111	Introduction to Information Technology	3		
	2	ITST111	Statistics & Probability	3		
	3	ITMM111	Mathematics 1	3		
	4	ITPH111	Physics	3		
	5	ITAR111	Arabic Language I	2		
	6	ITEL111	English Language I	2		
	6			16	16	
Year 1: Second Semester	1	ITGS113	Problem Solving Techniques	3		
	2	ITGS126	Logic Circuits	3		ITPH111 ITGS111
	3	ITMM122	Mathematics 2	3		ITMM111
	4	ITAR122	Arabic Language II	2		ITAR111
	5	ITEL122	English Language II	2		ITEL111
	11			13	29	
Year 2: Third Semester	1	ITGS122	Introduction to Programming	3		ITGS113
	2	ITGS124	System Analysis and Design	3		ITGS113
	3	ITGS213	Introduction to Software Engineering	3		ITGS111
	4	ITGS215	Introduction to Networking	3		ITGS111
	5	ITGS222	Foundations of IS	3		ITGS111
	6	ITGS217	Discrete Structure	3		ITMM122
	17			18	47	
Year 2: Forth Semester	1	ITGS220	Data Structures	3		ITGS122
	2	ITGS211	OO Programming	3		ITGS122
	3	ITGS219	Numerical Methods	3		ITMM122 ITGS122
	4	ITGS224	Information Security	3		ITGS111 ITGS215
	5	ITGS226	Introduction to Internet Programming	3		ITGS122
	6	ITGS228	Introduction to Databases	3		ITGS217
	7	ITGS223	Computer Architecture	3		ITGS126 ITGS111
	24			21	68	



2007

ملتحقي استقبال طلبه ربي 2023

مواد قسم هندسة البرمجيات Software Engineering



1957

Semester	No	Course #	Course Title	Units	End of Semester	Prerequisites			
Year 3: Fifth Semester	1	ITGS301	Design and Analysis of Algorithms	3		ITGS220			
	2	ITSE311	Software Requirements Analysis	3		ITGS213	ITGS124		
	3	ITSE312	Advanced Database	3		ITGS228			
	4	ITGS303	IT Project Management	3		ITGS213			
	5	Elective 01		3					
	6	Elective 02		3					
	30			18	86				
Year 3: sixth Semester	1	ITGS302	Operating Systems	3		ITGS223			
	2	ITGS304	Scientific Writing	3		ITEL121			
	3	ITSE321	Software Construction	3		ITGS211	ITGS217	ITGS213	ITGS301
	4	ITSE322	Modern Programming Language (Java)	3		ITGS211			
	5	Elective 03		3					
	6	Elective 04		3					
	36			18	104				
Year 4: Seventh Semester	1	ITSE411	Software Architecture and Design	3		ITSE311	ITSE321		
	2	ITSE412	Advanced Internet programming	3		ITGS226	ITGS228		
	3	ITSE413	Human and Computer Interaction	3		ITGS213			
	4	ITSE414	Software Engineering Ethics	3		ITSE311			
	5	Elective 05		3					
	41			15	119				
Year 4: Eighth Semester	1	ITSE421	Software Quality Assurance and Testing	3		ITSE321			
	2	ITSE422	Software Reuse and Comp-Based SE	3		ITSE321	ITGS211		
	3	ITSE423	Visual Programing	3		ITGS211	ITSE322	ITSE312	
	4	ITSE424	Software Design Patterns	3		ITGS211	ITSE411		
	5	ITES500	BSc Project	4		ITGS303	ITSE311	ITSE312	ITSE321
	46			16	135				

مواد قسم شبكات الحاسوب Computer Networks

Semester	No	Course # Course Title	Units	End of Semester	Prerequisites		
Year 3: Fifth Semester	1	ITNT311 Data Communication	3		ITGS215		
	2	ITNT312 Local Area Networks	3		ITGS215		
	3	ITNT313 Network Programming	3		ITGS226	ITGS211	
	4	ITNT314 Encryption and Network Security	3		ITGS224		
	5	ITGS301 Analysis and Design of Algorithms	3		ITGS220		
	6	ITGS303 IT Project Management	3		ITGS213		
	30		18	86			
Year 3: sixth Semester	1	ITNT321 Wide Area Networks	3		ITNT312		
	2	ITNT322 Network Protocols and Software	3		ITNT311		
	3	ITNT323 Digital Communication	3		ITGS223		
	4	ITNT324 Wireless and Mobile Communication	3		ITNT312	ITNT311	
	5	Elective 01	3				
	6	Elective 02	3				
	36		18	104			
Year 4: Seventh Semester	1	ITGS302 Operating Systems	3		ITGS223		
	2	ITGS304 Scientific Writing	3		ITEL121		
	3	ITNT411 Distributed System	3		ITGS302	ITNT313	
	4	ITNT412 Network Design and Management	3		ITNT321		
	5	Elective 03	3				
	6	Elective 04	3				
	42		18	122			
Year 4: Eighth Semester	1	ITNT421 Network QoS	3		ITNT322		
	2	ITNT422 High Speed Networks	3		ITNT321		
	3	ITNT500 BSc Project	4		ITGS303		
	4	Elective 05	3				
	46		13	135			

مواد قسم تقنيات الإنترنت Web Technologies

Semester	No	Course #	Course Title	Units	End of Semester		
Year 3: Fifth Semester	1	ITWT311	Advance Internet Programming	3		ITGS226	ITGS228
	2	ITWT313	Database II	3		ITGS228	
	3	ITWT315	Human and Computer Interaction	3		ITGS213	
	4	ITWT317	Security Policies and procedures	3		ITGS224	
	5	ITGS301	Design and Analysis of Algorithms	3		ITGS220	
	6	ITGS302	Operating Systems	3		ITGS223	
	30			18	86		
Year 3: sixth Semester	1	ITWT320	Network Programming	3		ITWT311	ITGS215
	2	ITWT322	User Interface Programming	3		ITWT315	
	3	ITWT324	Multimedia Systems	3		ITGS226	ITWT315
	4	ITGS303	IT Project Management	3		ITGS213	
	5	Elective 01		3			
	6	Elective 02		3			
	36			18	104		
Year 4: Seventh Semester	1	ITWT411	WEB services	3		ITWT320	
	2	ITWT413	Web Application Development	3		ITWT311	
	3	ITWT415	Content Management system	3		ITWT311	
	4	ITGS304	Scientific Writing	3		ITEL121	
	5	Elective 03		3			
	6	Elective 04		3			
	42			18	122		
Year 4: Eighth Semester	1	ITWT420	Ethical Hacking and Network Defence	3		ITWT317	
	2	ITWT422	Web Mobile Applications	3		ITWT311	
	3	ITWT500	BSc Project	4		ITGS303	
	4	Elective 05		3			
	46			13	135		

مواد قسم الحوسبة المتنقلة Mobile Computing

Semester	No	Course # Course Title	Units	End of Semester	Prerequisites	
Year 3: Fifth Semester	1	ITGS301 Analysis and Design Algorithms	3		ITGS220	
	2	ITMC311 Mobile Applications	3		ITGS211	
	3	ITMC312 Principle of Wireless & Mobile Net	3		ITGS215	
	4	ITGS302 Operating System	3		ITGS223	
	5	ITGS304 Scientific Writing	3		ITEL121	
	6	Elective 01	3			
	30		18	86		
Year 3: sixth Semester	1	TMC313 Mobile Operating Systems	3		ITGS302	
	2	ITMC321 Mobile Interaction Design	3		ITMC311	
	3	ITMC322 Mobile Database System	3		ITGS228	ITMC312
	4	ITMC323 Cross-Platform Mobile App (Flutter)	3		ITMC311	
	5	ITGS303 Project Management	3		ITGS223	
	6	Elective 02	3			
	36		18	104		
Year 4: Seventh Semester	1	ITMC411 Security in mobile computing	3		ITGS224	ITMC313
	2	ITMC412 Personal Area Networks	3		ITMC312	
	3	ITMC413 Social Networking	3		ITMC323	
	4	ITMC414 Network Programming	3		ITGS226	ITMC311
	5	Elective 03	3			
	6	Elective 04	3			
	42		18	122		
Year 4: Eighth Semester	1	ITMC421 Fundamentals ubiquitous computing	3		ITMC312	ITMC313
	2	ITMC422 Cloud Computing	3		ITMC323	
	3	Elective 05	3			
	4	ITMC500 BSc Project	4		ITGS303	
	46		13	135		

مواد قسم نظم المعلومات Information Systems

Semester	No	Course # Course Title	Units	End of Semester	Prerequisites			
Year 3: Fifth Semester	1	ITGS302 Operating System	3		ITGS223			
	2	ITIS311 Application Development	3		ITGS222	ITGS226	ITGS228	
	3	ITIS312 Human Computer Interaction	3		ITGS124			
	4	ITIS313 Data & Information Management	3		ITGS222	ITGS228	ITGS220	
	5	Elective 01	3					
	6	ITGS304 Scientific Writing	3		ITEL121			
	30		18	86				
Year 3: sixth Semester	1	ITGS301 Analysis and Design Algorithms	3		ITGS220			
	2	ITIS323 IS Infrastructure	3		ITGS222	ITGS224	ITGS223	
	3	ITIS324 Multimedia Systems	3		ITGS122	ITGS215	ITGS226	
	4	ITIS325 Advanced Database	3		ITGS228			
	5	ITIS326 Systems Analysis and Design II (ERP)	3		ITGS124	ITGS303	ITGS222	
	6	Elective 02	3					
	36		18	104				
Year 4: Seventh Semester	1	ITGS303 Project Management	3		ITGS223			
	2	ITIS411 Enterprise Architecture	3		ITIS312	ITIS323		
	3	ITIS412 Security and Risk Management	3		ITGS222	ITGS224	ITIS313	
	4	ITIS413 Introduction to Artificial Intelligence	3		ITGS211			
	5	Elective 03	3					
	41		15	119				
Year 4: Eighth Semester	1	ITIS421 Enterprise Systems	3		ITGS222	ITIS325		
	2	ITIS422 IS Strategy, Manag & Acquisition	3		ITIS311	ITIS313	ITIS326	ITGS303
	4	Elective 04	3					
	5	Elective 05	3					
	6	ITIS500 BSc Project	4		ITGS303			
	46		16	135				

علاقة مواد المرحلة العامة
بالتخصصات

2007

Semester	No	Course #
Year 1: First Semester	1	ITGS111
	2	ITST111
	3	ITMM111
	4	ITPH111
	5	ITAR111
	6	ITEL111
6		
Year 1: Second Semester	1	ITGS113
	2	ITGS126
	3	ITMM122
	4	ITAR122
	5	ITEL122
11		
Year 2: Third Semester	1	ITGS122
	2	ITGS124
	3	ITGS213
	4	ITGS215
	5	ITGS222
	6	ITGS217
17		
Year 2: Forth Semester	1	ITGS220
	2	ITGS211
	3	ITGS219
	4	ITGS224
	5	ITGS226
	6	ITGS228
	7	ITGS223
24		

Computer Networks

قسم شبكات الحاسوب

Software Engineering

قسم هندسة البرمجيات

Web Technologies

قسم تقنيات الإنترنت

Mobile Computing

قسم الحوسبة المتنقلة

Information Systems

قسم نظم المعلومات



ملتقى استقبال طلبة ربيع 2023



موفقين