

Faryab University
Computer Science Faculty
Information System Department
Semesters-wise Syllabus

First Year: First Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Introduction to Programming-1	CS-101	Basic	4	2	4	6	IS	
2	Computer Fundamental	CS-103	Basic	3	2	2	4	IS	
3	Computer Skills	CS-102	Basic	3	2	2	4	IS	
4	Modern History-1	CO-102	General	1	1	0	1	IC	
5	General English-1	EL-101	General	2	0	4	4	FL	
6	Calculus-1	EL-102	Basic	3	2	2	4	MA	
7	نظام اعتقادی اسلام	SL.IC.0171	General	2	2	0	2	IC	
8	تجوید	SL.IC.0172		1	1		1	IC	
Total Credits				19					

Elective:

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Faryab University
Computer Science Faculty
Information System Department
Semesters-wise Syllabus

First Year: Second Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Introduction Programming-2	CS-101	Basic	4	2	4	6	IS	
2	Discreet Mathematics	CS-202	Basic	3	2	2	4	MA	
3	Modern History Afghanistan	CO-202	General	1	1	0	1	IC	
4	General English-2	EL-201	Basic	2	0	4	4	FL	
5	Calculus-2	EL-202	Basic	3	2	2	4	MA	
6	Fundamental of Information System	CS205	Core	3	2	2	4	IS	
7	نظام عبادتی اسلام	SL.IC.0273	General	2	2	0	2	IC	
8	سیرت نبی	SL.IC.0274	General	2	2	0	2	IC	
Total Credits				20					

Elective:

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Faryab University
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Second Year: Third Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	System Analysis and Design	CS-305	Core	3	2	2	4	IS	
2	Object Oriented Programming	CS-301	Core	3	2	2	4	SE	
3	Fundamental of Web Design	CS-212	Core	3	2	2	4	IS	
4	Network Fundamental	CO-302	Basic	3	2	2	4	CCE	
5	Technical English	EL-301	Basic	2	0	4	4	FL	
6	Probability and Statistic	EL-302	Basic	3	2	2	4	MA	
7	نظام اخلاقی اسلام	SL.IC.0375	General	2	2	0	2	IC	
8	نظام اجتماعی اسلام	SL.IC.0376	General	2	2	0	2	IC	
Total Credits				21					

Elective:

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Second Year: Fourth Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Data Structure and Algorithm	CS-401	Core	2	2	2	4	SA	
2	IT Project Management	CS-408	Core	3	2	2	4	IS	
3	Computer Networks	CS-402	Basic	3	2	2	4	CCE	
4	Fundamental of Data Base	CS-407	Core	3	2	2	4	IS	
5	Web Development	CS-404	Core	3	2	2	4	IS	
6	Academic Writing	EL-401	Basic	2	0	4	4	FL	
7	تربيه فكري	SL.IC.0477	General	2	2	0	2	IC	
8	اديان و مذاهب	SL.IC.0478	General	1	1	0	1	IC	
Total Credits				19					

Elective:

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Faryab University
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Third Year: Fifth Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Web Development 2	CS-507	Core	3	2	2	4	IS	
2	System administration and maintenance	CS-506	Core	3	2	2	4	NTE	
3	Java Programming	CS-502	Core	3	2	2	4	SE	
4	Data Base 2	CS-526	Core	3	2	2	4	IS	
5	Software Engineering	CS-515	Core	2	2	0	2	SE	
6	Operating System Concept	CS-501	Core	3	2	2	4	NTE	
7	نظام سیاسی اسلام	SL.IC.0579	General	2	2	0	2	IC	
8	نظام اداری اسلام	SL.IC.0580	General	2	2	0	2	IC	
Total Credits				21					

Elective:

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Educational Practice	CS-503	Project	2	0	0	2	IS	
2	Enterprise Architecture	CS-508	Optional	3	2	2	4	IS	
3	Recommender System	CS-530	Optional	3	2	2	4	IS	

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Fourth Year: Seventh Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Research Methodology	CS-701	Core	2	1	2	3	CCE	
2	Mobile Application Development	CS-702	Core	3	2	2	4	IS	
3	Application Security	CS-704	Core	3	2	2	4	SE	
4	Advance Data Base Management System	CS-713	Core	3	2	2	4	IS	
5	IS Strategy, Management & Acquisition	CS-712	Core	3	2	2	4	IS	
6	Diploma Project Guide	CS-723	Basic	1	1	0	1	IS	
7	Design Pattern	CS-706	Core	3	2	2	4	IS	
8	قرآن و علوم معاصر	SL.IC.0782	General	2	2	0	2	IC	
Total Credits				20					

Elective:

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Fourth Year: Eighth Semester

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Diploma Project	CS-801	Project	12	4		28	IS	
2	Advance Mobile Application Development	CS-802	Core	3	2	2	4	IS	
3	تمدن اسلامی	SL.IC.0883	General	2	2	0	2	IC	
4	Big Data	CS-815	Optional	2	1	2	3	IS	
Total Credits				19					

Elective:

No.	Subject	Code	Category	Credit	Lecture	Practical	Total Hours	Department	Prerequisite
1	Distributed Data Base	CS-811	Optional	2	1	2	3	IS	
2	E-Commerce	CS-808	Optional	2	1	2	3	SE	
3	Big Data	CS-815	Optional	2	1	2	3	IS	

نصاب تحصیلی دبیرانترنت انجینیری شبکه در جلسه مورخ 1403/04/25 توسط کمیته نصاب تحصیلی پوهنهی اصلاح و ثبت پروتکول شماره (3) مورخ 1403/04/25 کتاب جلسات کمیته نصاب تحصیلی پوهنهی کمپیوتر ساینس گردید.

دوکتور غلام سخی احمدی

رئیس کمیته نصاب تحصیلی