BACHELOR OF SOFTWARE ENGINEERING SCHEME OF STUDIES

Subject to changes and modifications by the University, the courses of studies for the present batch are as follows:

FIRST YEAR - Spring Semester

S. No.	Course Code	Title	Credit Hours
1	CT - 153	Programming Languages	3
2	CT - 158	Fundamentals of Information Technology	2
3	CT - 162	Discrete Structures	3
4	HS - 102	English	3
5	MT - 173	Calculus	3
6	PH - 121	Applied Physics	4

FIRST YEAR - Fall Semester

S. No.	Course Code	Title	Credit Hours
1	CT - 157	Data Structure Algorithms & Applications	4
2	CT - 172	Computing Workshop	2
3	EE - 119	Fundamentals of Electrical Engineering	4
4	EL - 134	Basic Electronics -	4
5	CY - 105	Applied Chemistry	4
6	HS - 105	Pakistan Studies OR	2
	HS - 127	Pakistan Studies (for Foreigners)	

SECOND YEAR - Spring Semester

S. No.	Course Code	Title de la	Credit Hours
1	CS - 251	Logic Design & Switching Theory	4
2	SE - 201	Object Oriented Concepts & Programming	4
3	SE - 202	Computer Graphics	4
4	MT - 273	Differential Equations & Linear Algebra	3
5	HS - 205	Islamic Studies OR	2
	HS - 209	Ethical Behaviour	3

SECOND YEAR - Fall Semester

S. No.	Course Code	Title	Credit Hours
1	CS - 252	Computer Architecture & Organisation	4
2	HS - 208	Business Communications & Ethics	3
3	SE - 203	Software Requirement Engineering	4
4	SE - 204	Database Management Systems	4
5	SE - 205	Software Engineering	4
6	SE - 206	Web Engineering	4

THIRD YEAR - Spring Semester

	Title	Credit Hours
S No. Course Code		3
S. No. Course	Applied Economics for Engineers Applied Economics for Engineers Applied Economics for Engineers	3
1 MT - 330	Applied Economics Applied Probability & Statistics Applied Probability & Statistics Software Design & Architecture	4
3 SE - 30.	Human Computer Interaction	3
1 SE-30-	- Cyctoms	4
5 SE-305	Operating Systems Computer Aided Engineering Drawing	4
6 SE - 304	Comparer	No. of the last state of the l

THIRD YEAR - Fall Semester

		Title	Credit Hours
c No	Course Code	是一种的一种,但是一种的一种,也是一种的一种,但是一种的一种,也是一种的一种的一种。	4
S. No.		Communication 1 (communication 1)	4
	am 261	Artificial Intelligence & Expert Systems	4
	206	Software Quality Engineering	3
	SE - 306	Software Project Management	4
- 5	SE - 307	E-Commerce	

FINAL YEAR - Spring Semester

		Title	Credit Hours
S. No.	Course Code	AND PACE OF THE PA	4
1	CT - 460	Network & Information Security	3
2	MT - 471	Applied Numerical Methods	4
3	SE - 401	Modeling & Simulation Distributed Database Client Server Programming	4
4	SE - 402	Distributed Database Chefit Berver Fregramme	4
5	SE - 403	Data Warehouse Methods	-
6	SE - 499	*Software Engineering Project	no during this Seme

^{*} Duration one academic year: Literature survey and preliminary work to be done during this Semester.

FINAL YEAR - Fall Semester

	Code	Title	Credit Hours
S. No.	Course Code	NEW THE TEXT OF THE PROPERTY O	3
I	HS - 403	Entrepreneurship	3
2	CT - 221	Financial & Cost Accounting	1
3	SE - 404	Design Patterns	4
4	SE - ###	Elective Course	4
5	SE - 499	Software Engineering Project	6 -
-240		Elective Courses: SE - 481 Software Testing Strategies & Techniques SE - 482 Software Reliability Engineering & Safety Critical SE - 483 Information Systems Engineering	Systems