Course Offering
Semester: Fall 2018
Program:BS Software Engineering

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
1.	CS1133	Introduction to Programming	Core	1	Nil	Nil	1	Shared with CS.
2.	CS1131	Introduction to Programming Lab	Core	1	Nil	CS1133	1	Shared with CS.
3.	HMC1002	Pakistan Studies	Humanity	1	Nil	Nil	1	Shared with CS.
4.	MTC1013	Calculus-I	Required	1	Nil	Nil	1	Shared with CS.
5.	PHC1013	Applied Physics	Required	1	Nil	Nil	1	Shared with CS.
6.	HMC1013	English I	English	1	Nil	Nil	1	Shared with CS.
7.	CS1143	Object Oriented Programming	Core	1	CS1133	Nil	2	Shared with CS.
8.	CS1141	Object Oriented Programming Lab	Core	1	CS1131	CS1143	2	Shared with CS.
9.	HMC1012	Islamic Studies/Ethics	Humanity	1	Nil	Nil	2	Shared with CS.
10.	HMC1023	English-II	English	1	HMSE1013	Nil	2	Shared with CS.
11.	HMC2053	Introduction to Psychology	Humanity	1	Nil	Nil	2	Shared with CS.
12.	HMC2063	Introduction to sociology	Humanity	1	Nil	Nil	2	Shared with CS.
13.	CS2053	Discrete Structures	Required	1	Nil	Nil	2	Shared with CS.
14.	MTC1033	Linear Algebra	Required	1	MTSE1013	Nil	2	Shared with CS.
15.	CS2143	Data Structures	Core	1	CS1133	Nil	3	Shared with CS.
16.	CS2141	Data Structures Lab	Core	1	CS1131	CS2143	3	Shared with CS.
17.	CS2512	Digital Logic Design	Core	1	Nil	Nil	3	Shared with CS.
18.	CS2511	Digital Logic Design Lab	Core	1	Nil	CS2512	3	Shared with CS.
19.	CS2313	Introduction to Database Systems	Core	1	CS1123	Nil	3	Shared with CS.

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20.	CS2311	Introduction to Database Systems Lab	Core	1	CS1121	CS2313	3	Shared with CS.
21.	HMC2033	Technical Report Writing	Humanity	1	HMSE1013	Nil	3	Shared with CS.
22.	HMC1033	Personal Mgmt and Grooming	Humanity	1	Nil	Nil	3	Shared with CS.
23.	SE2223	Software Engineering - I	Core	1	CS1133	Nil	4	Shared with CS.
24.	CS2522	Computer Org. and Assembly Language	Core	1	CS2512	Nil	4	Shared with CS.
25.	CS2521	Computer Org. and Assembly Language Lab	Core	1	CS2511	CS2522	4	Shared with CS.
26.	CS2153	Advanced Computer Programming	Core	1	CS2133	Nil	4	Shared with CS.
27.	CS2151	Advanced Computer Programming Lab	Core	1	CS2131	CS3153	4	Shared with CS.
28.	MTC3063	Probability & Statistics	Required	1	Nil	Nil	4	Shared with CS.
29.	CS2053	Discrete Structures	Required	1	Nil	Nil	4	Shared with CS.
30.	CS3163	Design and Analysis of Algorithms	Core	1	CS2143	Nil	5	Shared with CS.
31.	CS3413	Operating Systems	Core	1	CS2143	Nil	5	Shared with CS.
32.	CS3411	Operating Systems Lab	Core	1	CS2141	CS3413	5	Shared with CS.
33.	SE3263	Software Requirement Engineering	Core	2	SE2223	Nil	5	Click here to enter text.
34.	SE3643	Software Architecture	Core	2	SE2223	Nil	5	Click here to enter text.
35.	CS3772	Computer Comm. and Networks	Core	1	Nil	Nil	5	Shared with CS.
36.	CS3771	Computer Comm. and Networks Lab	Core	1	Nil	Nil	5	Shared with CS.
37.	SE3823	Agile Software Development	Core	2	SE2223	Nil	6	Click here to enter text.
38.	SE3213	Object Oriented Analysis and Design	Core	1	CS2143	Nil	6	Shared with CS.
39.	SE3633	Software Testing	Core	2	SE2223	Nil	6	Click here to enter text.
40.	CS3193	Web Application Development	Elective	1	CS1133	Nil	6	Shared with CS.
41.	CS3191	Web Application Development Lab	Elective	1	CS1133	Nil	6	Shared with CS.
42.	SE4293	Component Based Development	Elective	2		Nil	6	Click here to enter text.

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43.	CS3272	Human Computer Interaction	Core	1	SE2223	Nil	6	Shared with CS.
44.	CS3271	Human Computer Interaction Lab	Core	1	Nil	CS3272	6	Shared with CS.
45.	SE4273	Software Project Management	Elective	2	Nil	Nil	7	Click here to enter text.
46.	SE3223	Formal Software Specification	Elective	2	Nil	Nil	7	Click here to enter text.
47.	CS4193	Mobile Application Development	Elective	1	CS1133	Nill	7	Shared with CS.
48.	SE4912	Design Project (Part-I)	Core	1	Nil	Nil	7	Click here to enter text.
49.	CS3183	Enterprise Application Development	Elective	1	CS1133	Nil	7	Shared with CS.
50.	CS3181	Enterprise Application Development Lab	Elective	1	CS1133	CS3183	7	Shared with CS
51.	ACC2003	Principles of Accounting-I	M. Elect.	1	Nil	Nil	7	Shared with CS.