

Course Offering
Semester: Fall 2018

Program:BS Bioinformatics/ BioSciences/ BioTech/ MicroBio

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
1.	BI1113	Cell Biology	Core	2	Nil	Nil	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology
2.	BI1111	Cell Biology Lab	Core	3	Nil	BI1113	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology.
3.	CS1133	Introduction to Programming	Required	1	Nil	Nil	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
4.	CS1131	Introduction to Programming Lab	Required	1	Nil	CSBI1133	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
5.	HMC1002	Pakistan Studies	Humanity	1	Nil	Nil	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
6.	HMC1013	English-I	English	1	Nil	Nil	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
7.	MTBI1003	Basic Mathematics	Required	2	Nil	Nil	1	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology.
8.	MTC1013	Calculus-I	Required	1	MTBI1003	Nil	2	Shared Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
9.	BI2143	Biophysics	Required	2	Nil	Nil	2	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology
10.	HMC1023	English-II	English	1	HMBI1013	Nil	2	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
11.	HMC1012	Islamic Studies / Ethics	Humanity	1	Nil	Nil	2	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology/ CS
12.	BI1153	Introduction to Immunology	Core	2	BI1113	Nil	2	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology

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13.	BI1151	Introduction to Immunology Lab	Core	3	BI1111	BI1133	2	Shared with Bioinformatics/ Biosciences/ Biotech/ Microbiology
14.	BI2223	Biochemistry	Core	2	BI1113	Nil	2	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
15.	BI2221	Biochemistry Lab	Core	3	Nil	Nil	2	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
16.	CS1143	Object Oriented Programming	Required	1	CSBI1133	Nil	3	Shared with Bioinformatics/ CS
17.	CS1141	Object Oriented Programming Lab	Required	1	CSBI1131	CSBI2133	3	Shared with Bioinformatics/ CS
18.	BI2223	Biochemistry	Core	2	Nil	Nil	3	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
19.	BI2221	Biochemistry Lab	Core	3	BI1113	Nil	3	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
20.	BI1153	Introduction to Immunology	Core	2	BI1113	Nil	3	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
21.	BI1151	Introduction to Immunology Lab	Core	3	BI1113	Nil	3	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
22.	BI2143	Biophysics	Required	2	BI1133	Nil	3	Share with Bioinformatics and Biosciences Biotechnology and Microbiology
23.	HMC2033	Technical Report Writing	English	1	HMBI1013	Nil	3	Shared with Bioinformatics/ Biosciences/Biotechnology and Microbiology/ CS
24.	HMC2063	Introduction to Sociology	Humanity	1	Nil	Nil	3	Shared with Biosciences/Biotechnology and Microbiology/ CS
25.	HMC2053	Introduction to Psychology	Humanity	1	Nil	Nil	3	Shared with Biosciences/Biotechnology and Microbiology/ CS
26.	BI2163	Developmental Biology	Core	1	Nil	Nil	4	Shared with Bioinformatics/ Biosciences
27.	BI2173	Biodiversity and Conservation	Core	1	Nil	Nil	4	Shared with Bioinformatics/ Biosciences
28.	BI3173	Evolutionary Biology	Core	1	Nil	Nil	4	Shared with Bioinformatics/ Biosciences
29.	CS2143	Data Structures	Core	1	CSBI1133	Nil	4	Shared with CS and Bioinformatics

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30.	CS2141	Data Structures Lab	Core	1	CSBI1131	CSBI2143	4	Shared with CS and Bioinformatics
31.	HMC 1033	Personal Management and Grooming	Humanity	1	Nil	Nil	4	Share with Biosciences/CS
32.	MTBI2033	Statistical Methods in Biology	Required	1	Nil	Nil	4	Shared with CS Probability and Statistics/ Biosciences and Bioinformatics
33.	MTC1033	Linear Algebra	Required	1	MTBI1023	Nil	5	Share with Bioinformatics/CS
34.	BI3453	Recombinant DNA Technology	Elective	1	BI1113	Nil	5	Share with Biosciences
35.	BI3813	Introduction to Biotechnology	Core	1	BI1113	Nil	5	Share with Biosciences
36.	BI3183	Endocrinology	Core	1	Nil	Nil	5	Share with Biosciences
37.	BI2163	Developmental Biology	Core	1	Nil	Nil	5	Shared with Bioinformatics/ Biosciences
38.	BI2173	Biodiversity and Conservation	Core	1	Nil	Nil	5	Shared with Bioinformatics/ Biosciences
39.	BI3173	Evolutionary Biology	Core	1	Nil	Nil	5	Shared with Bioinformatics/ Biosciences
40.	HMC2053	Introduction to Psychology	Humanity	1	Nil	Nil	5	Shared with Bioinformatics/ CS
41.	CS2313	Introduction to Database Systems	Required	1	Nil	Nil	5	Shared with Bioinformatics and CS
42.	CS2311	Introduction to Database Systems Lab	Required	1	Nil	Nil	5	Shared with Bioinformatics CS.
43.	HMC2063	Introduction to Sociology	Humanity	1	Nil	Nil	5	Shared with Bioinformatics/ CS.
44.	BI3173	Evolutionary Biology	Core	1	Nil	Nil	6	Shared with Bioinformatics/ Biosciences
45.	BI3813	Introduction to Biotechnology	Core	1	Nil	Nil	6	Shared with Bioinformatics/ Biosciences
46.	BI2713	Introduction to Bioinformatics	Core	1	BI2423	Nil	6	Shared with Bioinformatics/ Biosciences
47.	BI2711	Introduction to Bioinformatics Lab	Core	1	BI2421	Nil	6	Shared with Bioinformatics/ Biosciences
48.	BI3183	Endocrinology	Core	1	BI1113	Nil	6	Shared with Bioinformatics/ Biosciences
49.	BI3533	Enzymology	Elective	1	BI1113	Nil	6	Shared with Bioinformatics/ Biosciences
50.	BI3453	Recombinant DNA	Elective	1	BI1113	Nil	6	Shared with Bioinformatics/ Biosciences
51.	BI2713	Introduction to Bioinformatics	Core	1	BI2423	Nil	7	Shared with Bioinformatics/ Biosciences

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52.	BI2711	Introduction to Bioinformatics Lab	Core	1	BI2421	Nil	7	Shared with Bioinformatics/ Biosciences
53.	BI4523	Functional Genomics	Elective	1	BI1113	Nil	7	Shared with Bioinformatics/ Biosciences
54.	BI4543	Bioremediation	Elective	1	BI1113	Nil	7	Share with Biosciences
55.	BI3533	Enzymology	Elective	1	BI1113	Nil	7	Share with Biosciences/Bioinformatics
56.	HMC1033	Personal Management and Grooming	Elective	1	Nil	Nil	7	Share with Bioinformatics and CS
57.	MGC1003	Introduction to Management	Required	1	Nil	Nil	7	Shared with CS/ Bioinformatics and Biosciences
58.	BI4912	Project (Part-I)	Required	1	Nil	Nil	7	Shared with BI/ Biosciences
59.	BI4523	Functional Genomics	Elective	1	BI1113	Nil	8	Shared with Bioinformatics/Biosciences
60.	BI4543	Bioremediation	Elective	1	BI1113	Nil	8	Shared with Bioinformatics/ Biosciences
61.	ACC2003	Principle of Accounting I	Required	1	Nil	Nil	8	Shared with CS/ Bioinformatics/ Biosciences
62.	BI4924	Project (Part-II)	Required	1	BI4912	Nil	8	Shared with Bioinformatics/ Biosciences