

# Spring 2010

## Course Offering BS Bioinformatics

<b>Semester 1</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
MT 1003	College Algebra	1
BI 1113	Cell Biology	1
CS 1113	Introduction to Computing	2
CS 1111	Introduction to Computing Lab	2
HM 1003	Pakistan and Islamic Studies	2
HM 1013	English-1	1
<b>Semester 2</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
MT 1013	Calculus-I	1
BI 2123	Molecular Biology	1
CS 1123	Computer Programming	3
CS 1121	Computer Programming Lab	3
BI 1413	Bio Statistics/Probability & Statistics	1
HM 1023	English-II	2
<b>Semester 3</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
CS 2133	Object Oriented Programming	1
CS 2131	Object Oriented Programming Lab	1
BI 2123	Molecular Biology	1
BI 1413	Bio Statistics/Probability & Statistics	1
HM	Technical Report Writing	2
MT 1023	Calculus II	3
<b>Semester 4</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
CS 2143	Data Structures	1
CS 2141	Data Structures Lab	1
CS 2313	Introduction to Database Systems	1
MT 2043	Discrete Mathematics	1
BI 2513	Proteome and Proteomics	1
HM xxx3	Major World Religions	3
<b>Semester 5</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
BI 3433	Computational Biology	1
HM 3213	Humanities II (Introduction to Logic)	1
MT 1033	Linear Algebra	3
CS 3163	Design & Analysis of Algorithms	1
BI 3623	Molecular Phylogeny and Evolution	1
BI 3323	Virology	1

<b>Semester 6</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
BI 3323	Virology	1
BI 3623	Molecular Phylogeny and Evolution	1
MT 2043	Applied Differential Equations	1
CS 3163	Design & Analysis of Algorithms	1
CS 3153	Advanced Computer Programming	1
CS 3151	Advanced Computer Programming Lab	1
<b>Semester 7</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
MT 4813	Mathematical Modeling and Simulation	1
BI 4733	Applications of Biotechnology	1
BI 4633	Functional Genomics	1
BI 4xx3	Cancer Cytogenetics	1
MBA 1013/ ACC2003	Principles Accounting-I or Principles of Management-I	2, 2
BI 4913	Design Project (Part I)	-
<b>Semester 8</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>No. of Sections</b>
ACC 2013/ ENT 4003	Principles Accounting-II or Entrepreneurship	3, 2
BI 4733	Applications of Biotechnology	1
BI 4633	Functional Genomics	1
MT 4813	Mathematical Modeling and Simulation	1
BI 4923	Design Project (Part II)	-