

**Course outcome: B.Sc. Honours**  
**Department: Biotechnology**  
**St. Bede's College, Shimla**

Sr. No	Subject Code	Subject Name	Subject category	Course Outcome
<b>Year1</b>				
1.	BIOTECH1C01	Biochemistry &Metabolism	Core course	To introduce the students to the basics of biochemistry and learn about various biochemical and metabolic pathways
2.	BIOTECH1C03	Genetics	Core course	To introduce the students to the basics of heredity, cytogenetics, genetic disorders
3.	BIOTECH1GE02	Cell Biology	GE-2	By understanding how cells work students get a detailed knowledge of the various mechanisms on which living beings work.
4.	BIOTECH1C02	General Microbiology	Core course	To introduce the students to the basics of microbiological techniques
5.	BIOTECH1C04	Molecular Biology	Core course	The subject provides the students to with an understanding biology at molecular level
<b>Year2</b>				
6.	BIOTECH2SEC02	Bioinformatics	SEC	To introduce the students to the basic tools of Bioinformatics and their use in modern

				biological sciences
7	BIOTECH2SEC01	Enzymology	SEC	To introduce the students about enzymes and their applications
8	BIOTECH2C07	Recombinant DNA Technology	Core course	The subject provides the students to with an understanding of the manipulation of genes in order to produce modified organisms with better properties.
9	BIOTECH2C06	Bioprocess Technology	Core course	The study of this subject helps the students to learn how microbes can be used to produce various products at industrial scales.
10	BIOTECH2C05	Immunology	Core course	The subject provides a detailed knowledge of our immune system and how it works to fight against various diseases.
11	MICRO2GE02	Bioanalytical tools	GE-3	It gives the students, detailed information about the working and instrumentation of various instruments used in biotechnology and microbiology.
12	BIOTECH2C08	Environment Biotechnology	Core course	To make students familiar with the importance of environment and to make them aware about different clean up strategies like bioremediation and waste treatment methods.
13	BIOTECH2C09	Bacteriology and	Core course	To give students

		Virology		information about the structural and physiological details of bacterial cell and viruses.
14.	BIOTECH2C10	Microbial Physiology	Core Course	This subject gives students an insight into physiology of microbial world
<b>6<sup>th</sup> Semester</b>				
15	BIOTECH6C	Genomics and Proteomics	Core course	To introduce the students about various sequencing techniques, about genomes and proteomes
16	BIOTECH6DSE14	Food Biotechnology	DSE	To introduce the students to applications of Biotechnology in Food industry and make aware about various fermentation products
17.	BIOTECH6C13	Bioanalytical tools	Core course	It gives the students detailed information about the working and instrumentation of various instruments used in biotechnology and microbiology.
18.	BIOTECH6DSE13	Biochemical Engineering	DSE	The study of this subject helps the students to learn how microbes can be used to produce various products at industrial scales.

