

<b>Total</b>	<b>42</b>
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**Books: -**

S.No.	Name of Books/ Author/Publisher
1.	Human Molecular Genetics, Third Edition T. Strachan and A.P. Read, Garland Science Publication.
2.	Molecular Cell Biology, Sixth Edition (2007) H. Lodish, A. Berk, and C.A. Kaiser, W. H. Freeman & Co Ltd.
3.	Cardiovascular Genetics and Genomics for the Cardiologist Victor J. Dzau and Choong-Chin Liew, Blackwell Publishing.
4.	Genomics: The Science of Technology Behind the Human Genome Project Charles R. Cantor and Cassandra L. Smith, John Wiley & Sons, Inc.
5.	A Century of Mendelism in Human Genetics Milo Keynes, A.W.F. Edwards and Robert Peel, CRC Press.

## NANOBIOTECHNOLOGY

**Details of course:-**

Course Title	Course Structure			Pre-Requisite
	L	T	P	
<b>Nanobiotechnology (BT412)</b>	03	01	00	Nil

**Course Objective:** The objective of this course is to impart interdisciplinary education in nanoscience and nanobiotechnology. The aim of this advanced course is to provide understanding for various nanobiotechnological application.

**Course Outcomes:**

1. Understand the basics concepts of nanosciences and its applications.
2. Applications of different types of nanomaterials and its compositions.
3. To gain knowledge about sensing technology.
4. To understand the basics of bio-photonics and bioimaging
5. Understanding the toxicological effects of nanomaterials and its management.

S.No	Content	Contact hours
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