Course Symbol: BCH-442

Course Symbol: BCH-442
Course Title: Molecular Biology
Credit hours: 3 (3+0)
Prerequisite:

DATE	BOOKS & AUTHORS	TITLE	PAGE No:
Sun, 26 Sep 2010	Molecular Biology Robert F.Weaver	Introduction to molecular biology	1 - 9
Tue, 28 Sep 2010	Molecular Biology Robert F.Weaver	Discovering the chemical nature of the genetics material	12 - 15
Sun, 3 Oct. 2010	Molecular Biology Robert F.Weaver	Chemical structure of nucleosides and nucleotide and their nomenclature	17 - 18
Tue, 5 Oct. 2010	Molecular Biology Robert F.Weaver	Primary and secondary structure of nucleic acids and different form of DNA conformations	32 - 36
Sun, 10 Oct. 2010	Molecular Biology Robert F.Weaver	Tertiary structure of nucleic acid	23
Tue, 12 Oct. 2010	Molecular Biology Robert F.Weaver	DNA melting and annealing	25
Sun, 17 Oct. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Nucleotide metabolism I	526 - 530
Tue, 19 Oct. 2010	Biochemistry • John L. Tymoczko	Nucleotide metabolism II	7 &526 - 530

	• Jeremy M.Berg • LubertStryer		
Sun, 24 Oct. 2010		Nucleotide metabolism Syndrome	
Tue, 26 Oct. 2010		Cell Cycle Introduction	
Sun, 31 Oct. 2010	Molecular Biology Robert F.Weaver	Oncogenes and tumor suppress or genes	507
Tue, 2 Nov. 2010		Cell Cycle & Cancer	
Sun, 7 Nov. 2010	Molecular Biology Robert F.Weaver	DNA replication I	644 - 678
Tue, 9 Nov. 2010	Molecular Biology Robert F.Weaver	DNA replication II	684 - 713
Sun, 14 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Telomeres and telomerase	530 - 532
Tue, 16 Nov. 2010	Haji Holiday		
Sun, 21 Nov. 2010			
Tue, 23 Nov. 2010			
Sun, 28 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	DNA Damage and mutagenesis	538 - 541
Tue, 30 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	DNA repair I	534
Sun, 5 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	DNA repair II	534 - 538

Tue, 7 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	DNA repair syndrome	538 - 544
Sun, 12 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Transcription in prokaryotes	551
Tue, 14 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Transcription in eukaryotes	562 - 572
Sun, 19 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Posttranscriptional modification and transcription syndrome	555 - 577
Tue, 21 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Translation an introduction	7 – 8, 602 - 618
Sun, 26 Nov. 2010	Molecular Biology Robert F.Weaver	Translation in prokaryotes	549 - 551
Tue, 28 Nov. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Translation in eukaryotes	609
Sun, 3 Dec. 2010	Biochemistry • John L. Tymoczko • Jeremy M.Berg • LubertStryer	Prelude to recombinant and DNA technologies	542 - 543