

M.Sc PROGRAMME in «BIOINFORMATICS»		
MODULE PROGRAM SEMESTER A		
OCTOBER 2005 – FEBRUARY 2006		
MOLECULAR BIOLOGY AND GENOMICS (16:00-19:00)		
DATE	LECTURE	LECTURERS
Tuesday 18/10/2005	<i>Definitions-The “structure” of the prokaryotic-eukaryotic genome- DNA system levels-Genetic information transfer</i>	Assoc. Prof. Georgios Rodakis
25/10/2005	<i>DNA transcription, DNA translation</i>	Assoc. Prof. Georgios Rodakis
1/11/2005	<i>Genetic code-Role and structure of tRNA and ribosomes in mRNA translation- Translation in prokaryotic and eukaryotic cells</i>	Assoc. Prof. Georgios Rodakis
8/11/2005	<i>Geometry of the eukaryotic genome-</i>	Assoc. Prof. Georgios Rodakis
15/11/2005	<i>Databases and sequence formats-(Fasta, GenBank, EMBL) – annotation</i>	Assoc. Prof. Georgios Rodakis
22/11/2005	<i>DNA recombination technology</i>	Assoc. Prof. Georgios Rodakis
29/11/2005	<i>Microbial Genomics</i>	As. Prof. Georgios Diallinas
6/12/2005	<i>Eukaryotic microorganisms as model systems for biological research- e.g. Saccharomyces cerevisiae & Aspergillus nidulans</i>	As. Prof. Georgios Diallinas
13/12/2005	<i>Structure-function relationships: The Molecular Genetics approach in model microbial systems</i>	As. Prof. Georgios Diallinas
20/12/2005	<i>Genetic Engineering Techniques-Genome analysis</i>	As. Prof. Andreas Katsiotis
10/01/2006	<i>Genetic Markers RFLP, RAPD, AFLP, SSR, MicroArrays</i>	As. Prof. Andreas Katsiotis
16/1/2006 Monday 18:30-21:00	<i>Stem cells Biomedical models</i>	Lect. Georgios Goulielmos
17/1/2006	<i>Gene therapy</i>	Lect. Georgios Goulielmos