

M.Sc PROGRAMME in «BIOINFORMATICS»		
MODULE PROGRAM SEMESTER A		
OCTOBER 2005 – FEBRUARY 2006		
Principles and methods in bioinformatics (16:00-19:00)		
DATE	LECTURE	LECTURERS
Monday 17/10/2005	<i>Introduction (I)</i>	Prof. Stavros J. Hamodrakas
24/10/2005	<i>Introduction (II)</i>	Prof. Elias Eliopoulos
31/10/2005	<i>Databases (Protein and DNA)</i>	Prof. Stavros J. Hamodrakas/ Nikolaos Papandreou/ Zoi Litou
7/11/2005	<i>Sequence Similarity Searches -Sequence Multiple Alignment</i>	Prof. Stavros J. Hamodrakas/ Nikolaos Papandreou/ Zoi Litou
14/11/2005	<i>Molecular Graphics</i>	Prof. Stavros J. Hamodrakas/ Nikolaos Papandreou
21/11/2005	<i>Docking</i>	Prof. Stavros J. Hamodrakas Nikolaos Papandreou
28/11/2005	<i>Membrane Protein Structure and Function Prediction</i>	Prof. Stavros J. Hamodrakas/ Dr. Pandelis Bagos
5/12/2005	<i>Artificial Neural Networks -Applications in Bioinformatics</i>	Prof. Stavros J. Hamodrakas/ Dr. Pandelis Bagos
12/12/2005	<i>Hidden Markov Models (HMM' s) -Applications in Bioinformatics</i>	Prof. Stavros J. Hamodrakas/ Dr. Pandelis Bagos
19/12/2005	<i>Protein folding</i>	Prof. Elias Eliopoulos/ Dr. Nikolaos Papandreou
9/01/2006	<i>Homology Modelling</i>	Prof. Elias Eliopoulos/ Dr. Nikolaos Papandreou
16/01/2006	<i>Protein-DNA interactions</i>	Prof. Elias Eliopoulos/ Dr. Nikolaos Papandreou