

In the Name of God					
MSc program in Immunology- 3rd semester					
Department of Immunology- Faculty of Medicine- TUMS					
MSc Program- Course Plan for Mehr 1403					
A	Course: Systems Biology	Year/Semester: 1403-Mehr Semester			
B	MSc Program- 3rd Semester	Credit Hours: 1			
C	Location: Dept Immunology	Course Coordinator: Dr Noorbakhsh			
D	Subject	Hour	Weekday	Date	Professor
1	Overview and methodology of systems biology studies	10-12 am	Sunday	403/7/08	Dr Noorbakhsh
2	Genomics, basics and methodologies	10-12 am	Sunday	403/7/15	Dr Noorbakhsh
3	Transcriptomics, basics and methodologies	10-12 am	Sunday	403/7/22	Dr Noorbakhsh
4	Proteomics and Interactomics studies	10-12 am	Sunday	403/7/29	Dr Mohammadi
5	How to analyze the data from high-throughput studies	10-12 am	Sunday	403/8/06	Dr Noorbakhsh
6	Introduction to synthetic biology	10-12 am	Sunday	403/8/13	Dr Noorbakhsh
7	Introduction to network biology, Modeling and investigating the behavior of biological networks	10-12 am	Sunday	403/8/20	Dr Noorbakhsh
8	Introduction to software applications in systems biology (e.g. Cytoscape, CellDesigner)	10-12 am	Sunday	403/8/27	Dr Noorbakhsh
9	Exam			TBD	Ms Mohammadi