



Full Syllabus



Course Title	
סמינר לתלמידי התוכנית למצטיינים (שנה א') [קורס שנת] 045510001	
Lecturer	
Marcelo Ehrlich, Vered Padler-Karavani	
Semester	
A	
Course requirements	
Attendance	
Final grade components	
Exam	
Course schedule	
Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Introduction
2	Chemistry and water in life
3	Carbon, diversity of life, structure function of biomolecules
4	Cellular Signaling (Cellular communication; P9)
5	Cellular Respiration (P10)
6	Photosynthetic Processes (P11)
7	Cell cycle and Mitosis (P12)
8	Sexual Life Cycles and Meiosis (P13)
9	Mendelian Genetics (P14)
10	Linkage and Chromosomes (P15)
11	Nucleic Acids and Inheritance (P16)
12	Expression of Genes and Control of Gene Expression (P17-18)
13	General
Required course reading	
Campbell Biology, Tenth Edition - Reece, Urry, Cain et al	
Optional course reading	
Comments	