Name of the subject: EVOLUTIONADY CENETICS		
Tagahar(a): Dr Vasna Milankay		
Status of the subject: Elective		
Number of ECTS pointer 15		
Number of EC15 points: 15		
Condition: -		
Goal		
The course aim is a comprehensive understanding of biological phenomena.		
Outcome of the subject		
In the light of the recent evidence, the students acquire advanced and broader knowledge of evolutionary		
phenomena		
Content of the subject		
Theoretical lectures		
The principles of evolutionary genetics: Molecular evolution: selection detection at molecular level, rate of molecular		
evolution new gene new functions the evolution of multigene families gene genealogy: Evolutionary developmental		
biology. Evolutionary anigenetics: Evolutionary quantitative genetics: Constitution of superior the evolution of reproductive		
isolation machanisms. Constiss of complex nolymorphisms perestism and antihistic resistance.		
isolation mechanisms, Genetics of complex polymorphism: parasitism and antiolouc resistance.		
Decommonded literature		
Recommended interature		
1. Coyne, J.A., Orr, H.A. (2004) Speciation. Sinauer Associates, Inc.		
2. Evolutionary genetics. Concepts and case studies. Eds. Fox, C.W., Wolf, J.B. 2006. Oxford University		
Press		
Number of active classes The	eory: 5	Practice: 5
Methods of delivering lectures		
Oral, seminar paper writing, analyzing papers published in relevant journals		
Evaluation of knowledge (maximum number of points 100)		

Oral exam 40, Seminar paper 60