

EASTERN MEDITERRANEAN UNIVERSITY
COURSE OUTLINE
APRIL - MAY 2020

COURSE CODE	BIOL312	COURSE LEVEL	Third Year	SEMESTER OFFERED	2019-2020 Spring Semester
COURSE TITLE	Bioinformatics and Computational Biology				

LECTURER	Fezel Nizam Office Hours: Wednesday 09:30-12:30 E-mail: fezel.nizam@emu.edu.tr
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METHOD OF ASSESSMENT	
Laboratory Assessments	30%
Term Assignmet	25%
Quiz	10%
Final	35%

TENTATIVE CONTENT & SCHEDULE OF LECTURES

Mondays at 09:00-12:20 via Microsoft Teams.

The lecture topics and exam schedules within the semester are as follows:

Date	Topics	Practicals
30/03/2020	Review BLASTn, BLASTp, Expsy Translate Tool	
06/04/2020	BLASTx, tBLASn, tBLASTx	
13/04/2020	-Pairwise & Multiple Sequence Alignment -Alignment Tools; BLAST & CLUSTAL	Practical Questions 4
20/04/2020	-Additional Bioinformatics Analyses Involving Protein Sequences -Protein Structure and Domain Databases	Practical Questions 5
27/04/2020	-Additional Bioinformatics Analyses Involving Protein Sequences -Protein Structure Modelling; Swiss Model Expsy	Practical Questions 6
04/05/2020	-Data Visualization in Genome Browser -Detection of Sequence Polymorphism and the SNP Databases	
11/05/2020	-Bioinformatics Approaches to RNA -GWAS Data Catalog – EWAS Data	Practical Question 7
18/05/2020	Phylogenetic Analysis Online Quiz	Practical Question 8
25/05/2020	Ramadan Bairam	Practical Question 9

*** Exam Dates will be Announced via Microsoft Teams and Student Portal

