

PG.GOV'T COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH

Teaching Plan Session (2017-18)

Class: BSc II Bioinfo E(4th Sem)

Subject: Structure Analysis

Paper : A

Name of the Teacher: Ms Neetu

Period : 6th (Mon-Wed)

Room No : 316

S. No	Date From	Date Upto	Topics to be covered
Week 1	Jan 11,2018	Jan 14, 2018	Intro to Protein Structure Prediction
Week 2	Jan 16, 2018	Jan 21, 2018	Secondary structure prediction methods: CHAU FASMAN
Week 3	Jan 23, 2018	Jan 28, 2018	GOR method
Week 4	Jan 30, 2018	Feb 4, 2018	Neural Network method
Week 5	Feb 6, 2018	Feb 11, 2018	Tertiary Structure prediction methods
Week 6	Feb 13, 2018	Feb 18, 2018	Homology Modeling
Week 7	Feb 20, 2018	Feb 25, 2018	Threading/Fold recognition method
Week 8	Feb 27, 2018	Feb 28, 2018	Ab initio methods
First Week March (Mid Semester Exam)			
Week 9	March 9,2018	March 11,2018	Gene prediction methods: searching by signal, searching by content
Week 10	March 13 ,2018	March 18, 2018	Homology based predictions
Week 11	March 20,2018	March 25, 2018	Markov models, Hidden Markov models in gene prediction
Week 12	March 27,2018	April 1 , 2018	Gene prediction tools: Genscan
Week 13	April 3 ,2018	April 8 , 2018	Glimmer, Grail
Week 14	April 10 ,2018	April 15 , 2018	Promoter analysis and predictions for prokaryotic genomes

Week 15	April 17 ,2018	April 22 , 2018	Predictions for eukaryotic genomes
Week 16	April 24 ,2018	April 29 , 2018	RNA structure prediction
Week 16	April 30, 2018	May 6, 2018	RNA structure prediction