

2025-2026 Spring Term-MBG401 Recombinant DNA Technologies- Syllabus

Week	Date	Subject
1	Thursday February 26	Introduction to Recombinant DNA
2	Thursday March 5	Source DNA & Polymerase Chain Reaction
3	Thursday March 12	Recombinant DNA Techniques – Part 1
4	Thursday March 26	Recombinant DNA Techniques – Part 2
5	Thursday April 2	Bacterial Cloning
6	Thursday April 9	Cloning by Bacteriophage
7	Thursday April 16	Cloning in Yeast Genomic & cDNA Libraries
8	Thursday April 30	DNA Sequencing
9	Thursday May 7	Recombinant Protein Production in <i>E. coli</i> & Yeast
10	Thursday May 21	Recombinant Protein Production in Higher Eukaryotes
11	Thursday June 4	Genome Editing Techniques - Part 1 <i>Student Presentations</i>
12	Thursday June 11	Genome Editing Techniques - Part 2 <i>Student Presentations</i>

Course Evaluation

	Percentage	Weeks	
Mid-term Exam	25%	1-7	February 26 – April 16
Student Presentations	25%	1-9	June 4 & June 11
Final	40%	1-12	February 26 – June 11
Attendance	10%	1-12	February 26 – June 11

MBG 401 Office Hour

Monday 1:30-2.30 pm

Thursday 1:30-2.30 pm