

SCBM 374 Gene Technology

SCBM 374 Schedule for the 2nd Semester, Year 2025,

Student group SCBM Faculty of Science,

Mahidol University (Phayathai Campus)

Ses	Date	Time	Contents	Class format	Room	Instructor
1	W 11-Mar-26	13:00-16:00	Introduction and Bioinformatics I DNA sequence analysis and primer design	Powerpoint presentation video clips, onsite activity	Computer room MUSES	SK, KS,TA1,TA2 , Aj1,Aj2
2	F 13-Mar-26	13:00-16:00	Buffer preparation	Powerpoint presentation video clips, onsite activity	MDL4	SK, KS,TA1,TA2 , Aj1, Aj2
3	W 18-Mar-26	13:00-16:00	PCR, Cloning, Plasmid Isolation	Powerpoint presentation video clips, onsite activity	MDL4	SK, KS,TA1,TA2 , Aj1, Aj2
4	F 20-Mar-26	13:00-16:00	Restriction digest/agarose electrophoresis	Powerpoint presentation, video clips, onsite activity	MDL4	SK, KS,TA1,TA2 , Aj1, Aj2
5	W 25-Mar-26	13:00-16:00	Bioinformatics II protein sequence and structural analyses	Powerpoint presentation video clips, onsite activity Quiz	Computer room MUSES	SK, KS,TA1,TA2 , Aj1, Aj2
6	F 27-Mar-26	13:00-16:00	Result discussion and quiz	Powerpoint presentation, video clips, onsite activity	L-05	SK, KS,TA1,TA2 , Aj1, Aj2
7	W 1-Apr-26	13:00-16:00	Protein expression, purification and analysis by SDS-PAGE	Powerpoint presentation	MDL4	SK, KS,TA1,TA2 , Aj1, Aj2
8	F 3-Apr-26	13:00-16:00	Result discussion II/quiz	Powerpoint presentation, Computational activity Quiz	L-05	SK, KS,TA1,TA2 , Aj1, Aj2
9	W 8-Apr-26	13:00-16:00	Problem-based learning activities	Powerpoint presentation, Computational activity	L-05	SK, KS,TA1,TA2 , Aj2
10	F 10-Apr-26	13:00-16:00	Exam	Onsite	L-05	SK, KS,TA1,TA2 , Aj1, Aj2