

Schedule for 2310454 BBTech

INTRO TO GENE ENG (1 credits)

First semester (2023)

Time: TU 9:00 - 10:00

Co-ordinator: Karan

Room: TBA

Topic	Hrs.	Date	Instructor
1. Introduction to genetic engineering	1	8-ส.ค.-23	Anchalee
2. Working with nucleic acids - Isolation of DNA/RNA - Qualitative and quantitative determination - Electrophoresis		15, 22, 29 Aug 2023	Anchalee
3. - Enzymes in genetic engineering - PCR and RT-PCR - Labelling and hybridization - DNA sequencing		5, 12, 19 Sep 2023	Pattana
Mid-term examination: 25 - 29 Sep 2023 [to be announced]			
4. Cloning strategy - Hosts, Vectors, DigestionLigation, Transformation, transfection, - Screening and selection - Expression of recombinant protein	3	3, 10, 17 Oct 2023	Rath
5. Site-directed mutagenesis	1	24-ต.ค.-23	Karan
6. Gene expression analysis	1	31-ต.ค.-23	Karan
7. Bioinformatics	1	7-พ.ย.-23	Rath
8. Applications	1	14-พ.ย.-23	Rath

Final-term examination: 27 Nov- 12 Dec 2023; [To be announced]