

Schedule for 2310454			
INTRO TO GENE ENG (1 credit)			
First semester (2023)			
Time: WE 10.00 - 11.00		Co-ordinator: Anchalee	
Room: 521 SCI10			
Topic	Hrs.	Date	Instructor
1. Introduction to genetic engineering	1	9-ต.ค.	Anchalee
2. Working with nucleic acids - Isolation of DNA/RNA - Qualitative and quantitative determination - Electrophoresis - Enzymes in genetic engineering - PCR and RT-PCR - Labelling and hybridization - DNA sequencing	6	16, 23, 30 Aug, 6, 13, 20 Sep 2023	Anchalee
Mid-term examination: สอบ 25 - 29 Sep 2023 [วันที่ 27 ก.ย. 2566 เวลา 8:30-10:30 น.]			
3. Cloning strategy - Hosts, Vectors, DigestionLigation, - Transformation, transfection, - Screening and selection - Expression of recombinant protein	3	4, 11, 18 Oct 2023	Rath
4. Site-directed mutagenesis	1	25-ต.ค.	Karan
5. Gene expression analysis	1	1-พ.ย.	Karan
6. Bioinformatics	1	8-พ.ย.	Rath
7. Applications	1	15-พ.ย.	Rath
Final-term examination: สอบ 27 Nov- 12 Dec 2023; [วันที่ 30 พ.ย. 2566 เวลา 8:30-10:30 น.]			