

Schedule for 2310454			
INTRO TO GENE ENG (1 credit)			
First semester (2024)			
Time: WE 10.00 - 11.00		Co-ordinator: Anchalee	
Room: 521 SCI10			
Topic	Hrs.	Date	Instructor
1. Introduction to genetic engineering	1	7-ส.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	14, 21, 28 Aug, 4, 11, 18 Sep 2024	Anchalee
Mid-term examination: สอบ 23 - 27 Sep 2024; 25 ก.ย. 2567 เวลา 8:30-10:30 น.			
3. Cloning strategy - Hosts, Vectors, Digestion, ligation, - Transformation, transfection, - Screening and selection - Expression of recombinant protein	3*	9, 16 Oct 2024 *นัดเพิ่ม 1 ชม.	Supitcha
4. Site-directed mutagenesis	1	30-ต.ค.	Karan
5. Gene expression analysis	1	6-พ.ย.	Karan
6. Bioinformatics	1	13-พ.ย.	Karan
7. Applications	1	20-พ.ย.	Karan
Final-term examination: สอบ 25 Nov - 9 Dec 2024; 28 พ.ย. 2567 เวลา 8:30-10:30 น.			