

Schedule for 2310454			
INTRO TO GENE ENG (1 credits)			
First semester (2022)			
Time: WE 10.00 - 11.00		Co-ordinator:	
Room: 503 SCI10			
Topic	Hrs.	Date	Instructor
1. Introduction to genetic engineering	1	10-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	17, 24, 31 Aug, 7, 14, 21 Sep 2022	Anchalee
Mid-term examination: สอบ 3 - 7 Oct 2022 [วันที่ 5-Oct-2022 เวลา 08:30 - 10:30 น.]			
3. Cloning strategy - Hosts, Vectors, DigestionLigation, - Transformation, transfection, - Screening and selection - Expression of recombinant protein	3	12, 19, 26 Oct 2022	Rath
4. Site-directed mutagenesis	1	2-พ.ย.	Rath
5. Gene expression analysis	1	9-พ.ย.	Rath
6. Bioinformatics	1	16-พ.ย.	Rath
7. Applications	1	23-พ.ย.	Rath
Final examination: สอบ 28 Nov - 13 Dec 2022 [วันที่ 01-Dec-2022 เวลา 08:30 -			