

Schedule for 2310454

INTRO TO GENE ENG (1 credits)

First semester (2021)

Time: WE 10.00 - 11.00		Co-or; Anchalee	
Room: 503-SCI10			
MS Team: 2310454 Intro to Gen Eng_2021.Group			
MT Code: g8a7rr6			
Topic	Hrs.	Date	Instructor
1. Introduction to genetic engineering	1	11-Aug	Anchalee
2. Working with nucleic acids <ul style="list-style-type: none"> - Isolation of DNA/RNA - Qualitative and quantitative determination - Electrophoresis - Enzymes in genetic engineering - PCR and RT-PCR - Labelling and hybridization - DNA sequencing 	6	18, 25 Aug, 1, 8, 15, 22 Sep	Anchalee
Mid-term examination: สอบ 27 Sep - 1 Oct 2021 [29-Sep-2021, 08:30 - 10:30]			
3. Cloning strategy <ul style="list-style-type: none"> - Hosts, Vectors, DigestionLigation, - Transformation, transfection, - Screening and selection - Expression of recombinant protein 	3	6, 20, 27 Oct	Rath
4. Site-directed mutagenesis	1	3-Nov	Rath
5. Gene expression analysis	1	10-Nov	Rath
6. Bioinformatics	1	17-Nov	Rath
7. Applications	1	24-Nov	Rath
Final examination: สอบ 29 Nov - 14 Dec 2021 [02-Dec-2021, 08:30 - 10:30]			