

Schedule for 2310454

INTRO TO GENE ENG (1 credits)

First semester (2020)

Time: WE 10.00 - 11.00

Room: 521 SCI10

Co-or; Anchalee

Topic	Hrs.	Date	Instructor
1. Introduction to genetic engineering	1	19-Aug	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	26 Aug, 2, 9, 16, 23, 30 Sep	Anchalee
Mid-term examination:			
3. Cloning strategy - Hosts, Vectors, Digestion Ligation - Transformation, Transfection - Screening and selection - Expression of recombinant protein	3	14, 21, 28 Oct	Rath
4. Site-directed mutagenesis	1	04-Nov	Rath
5. Gene expression analysis	1	11-Nov	Rath
6. Bioinformatics	1	18-Nov	Rath
7. Applications	1	25-Nov	Rath
Final examination:			