

Schedule for 2310503

PLANT BIOCHEMISTRY (3 credits)

First semester (2025)

Time: WE, TH, FR 09.00 - 10.00		Co-ordinator: Supaart	
Room: 503 SCI10			
Topic	Hrs.	Date	Instructor
Introduction	1	Aug 6	Supaart
A. Plant Cells, Genomes and Transport			
1. Plant origins	1	Aug 7	Supaart
2. Plant genomes	3	Aug 8, 13, 14	Supaart
3. Plant cells and membrane transport	2	Aug 15, 20	Supaart
B. Plant Energy			
1. Photosynthesis	3	Aug 21, 22, 27	Saowarath
2. Respiration and Photorespiration	3	Aug 28, 29 Sep 3	Saowarath
C. Plant Metabolism and Adaptation			
1. Carbohydrate metabolism	6	Sep 4, 5, 10, 11, 12, 17	Pawinee
2. Lipid metabolism (หัวข้อนี้จะรวมกับการสอบปลายภาค)	3	Sep 18, 19 Oct 1	Supaart
Mid-term examination: 22 - 26 Sep 2025; 23 Sep 2025 08:30 - 11:30 น.			
3. Nitrogen and sulfur metabolism	4	Oct 2, 3, 8, 9	Supaart
4. Metabolism under stress	3	Oct 10, 15, 16	Saowarath
D. Plant Hormones			
1. Biochemistry and metabolism	6	Oct 17, 22, 24, 29, 30, 31	Tanakarn
2. Signaling pathways			
E. Plant Biochemical Applications			
1. Natural products	3	Nov 5, 6, 7	Saowarath
2. Domestication and Economic crop products	2	Nov 14, 19	Saowarath
Final-term examination: 24 Nov - 8 Dec 2025; 27 Nov 2025 13:00 - 16:00 น.			