

**Schedule for 2310503**

**PLANT BIOCHEMISTRY (3 credits)**

First semester (2023)

Time: WE, TH, FR 09.00 - 10.00

Co-ordinator: Supaart

Room: 503 SCI10

Topic	Hrs.	Date	Instructor
Introduction	1	Aug 9	Supaart

**A. Plant Cells, Genomes and Transport**

1. Plant origins	1	Aug 10	Supaart
2. Plant genomes	3	Aug 11, 16, 17	Supaart
3. Plant cells and membrane transport	2	Aug 18, 23	Supaart

**B. Plant Energy**

1. Photosynthesis	3	Aug 24, 25, 30	Saowarath
2. Respiration and Photorespiration	3	Aug 31 Sep 1	Saowarath

**C. Plant Metabolism and Adaptation**

1. Carbohydrate metabolism	6	Sep 6, 7, 8, 13, 14, 15	Pawinee
2. Lipid metabolism (หัวข้อนี้จะรวมกับการสอบปลายภาค)	3	Sep 20, 21 Oct 4	Supaart

**Mid-term examination: สอบ 25 - 29 Sep 2023 [วันที่ 26 ก.ย. 2566 เวลา 8:30-11:30 น.]**

3. Nitrogen and sulfur metabolism	4	Oct 11, 12, 18, 19	Supaart
4. Metabolism under stress	3	Oct 20, 25	Saowarath

**D. Plant Hormones**

1. Biochemistry and metabolism	6	Oct 26, 27 Nov 1, 2, 3, 8	Tanakarn
2. Signaling pathways			

**E. Plant Biochemical Applications**

1. Natural products	3	Nov 9, 10, 15	Saowarath
2. Domestication and Economic crop products	2	Nov 16, 17	Saowarath

**Final-term examination: สอบ 27 Nov- 12 Dec 2023; [วันที่ 30 พ.ย. 2566 เวลา 13:00-16:00 น.]**