

**General Botany (SCPL 286, 287)**

First semester, 2018; Lecture: Monday 9.30-12.20, Room: N516

Lab: Monday 13.30-16.20, Room: N300

|   | Date   | Topic<br>(SCPL 286)                                                                       | Topic<br>(SCPL 287)                                              | Hr | Lecturer           | Score for<br>SCPL |     | Remarks                          |
|---|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|----|--------------------|-------------------|-----|----------------------------------|
|   |        |                                                                                           |                                                                  |    |                    | 286               | 287 |                                  |
| 1 | 20 Aug | Orientation & Plant Genetics                                                              |                                                                  | 3  | NC, PU             | 10                |     |                                  |
|   |        | Plant Physiology I<br>(Photosynthesis & Respiration)                                      |                                                                  | 3  | NC                 | 10                |     | Room:<br>C309<br>13.30-<br>16.30 |
| 2 | 27 Aug | Molecular Biology<br>(Plant molecular biology and application)                            |                                                                  | 3  | PK, UV             | 10                |     |                                  |
|   |        |                                                                                           | Plant Genetics and Molecular Biology                             | 3  | PK, PU, UV, AM, TA |                   | 10  |                                  |
| 3 | 3 Sep  | Plant Physiology II<br>(Plant growth and development)                                     |                                                                  | 3  | AP                 | 10                |     |                                  |
|   |        |                                                                                           | Plant Physiology I: Photosynthesis, Plant growth and development | 3  | AP, NC, AM, TA     |                   | 10  |                                  |
| 4 | 10 Sep | NO CLASS                                                                                  |                                                                  |    |                    |                   |     |                                  |
|   |        |                                                                                           | Plant Physiology II: Respiration, Plant growth and development   | 3  | AP, NC, AM, TA     |                   | 10  |                                  |
| 5 | 17 Sep | Plant Anatomy I<br>(Plant cells)                                                          |                                                                  | 3  | PU                 | 10                |     |                                  |
|   |        |                                                                                           | Plant Anatomy: Structure and Function of Plant Cells and Tissues | 3  | PU, AM, SSr, TA    |                   | 10  |                                  |
| 6 | 24 Sep | Plant Anatomy II<br>(Anatomy of vascular plants & Applications of plant anatomical study) |                                                                  | 3  | PU                 | 10                |     |                                  |

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|----|--------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----|----------------|-------------------|-----|--------------------------|
|    |        |                                                                                                                                   |                                                                     |    |                | 286               | 287 |                          |
|    |        |                                                                                                                                   | Plant Anatomy: Tissue Organization and growth in root stem and leaf | 3  | PU, AM, TA     |                   | 10  |                          |
| 7  | 1 Oct  | Plant Morphology I (Vegetative organs)                                                                                            |                                                                     | 3  | TJ             | 10                |     |                          |
|    |        |                                                                                                                                   | Plant Morphology I: Vegetative organs                               |    | TJ, AM, TA     |                   | 10  |                          |
| 8  | 8 Oct  | Plant Morphology II (Reproductive organs)                                                                                         |                                                                     | 3  | TJ             | 10                |     |                          |
|    |        |                                                                                                                                   | Plant Morphology II: Reproductive organs I                          |    | TJ, AM, TA     |                   | 10  |                          |
| 9  | 22 Oct | MIDTERM EXAM.<br>(Plant Physiology, Plant Genetics, Molecular Biology, Plant Anatomy, and Plant Morphology)                       |                                                                     |    |                | 80                |     | Room: L01                |
|    |        |                                                                                                                                   | NO CLASS                                                            |    |                |                   |     |                          |
| 10 | 29 Oct |                                                                                                                                   | MIDTERM EXAM<br>(Plant Anatomy and Plant Morphology)                |    |                |                   |     | Room: N300<br>9.30-12.20 |
|    |        | Plant Taxonomy and Intro. to Plant Kingdom<br>(Principles of taxonomy, tree of life, the Plant Kingdom, modern plant systematics) |                                                                     | 3  | SS             | 10                |     | Room: L01<br>13.30-16.20 |
| 11 | 5 Nov  | Plant Diversity I (Non-vascular plants)                                                                                           |                                                                     | 3  | TJ             | 10                |     |                          |
|    |        |                                                                                                                                   | Principles of plant taxonomy                                        | 3  | SS, TJ, AM, TA |                   | 10  |                          |
| 12 | 12 Nov | Plant Diversity II (Vascular plants)                                                                                              |                                                                     | 3  | TJ             | 10                |     |                          |
|    |        |                                                                                                                                   | Plant diversity and identification I                                | 3  | TJ, AM, TA     |                   | 10  |                          |
| 13 |        | Plant Ecology                                                                                                                     |                                                                     | 3  | KT             | 10                |     |                          |

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|----|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----|---------------|-------------------|-----|-----------------------------|
|    |           |                                                                                                                                                             |                                                                                              |    |               | 286               | 287 |                             |
|    | 19<br>Nov |                                                                                                                                                             | Plant diversity and<br>identification II                                                     | 3  | TJ, AM,<br>TA |                   | 10  |                             |
| 14 | 26<br>Nov | Plant Evolution<br>(Speciation, angiosperm<br>adaptation and co-evolution)                                                                                  |                                                                                              | 3  | SS            | 10                |     |                             |
|    |           |                                                                                                                                                             | Plant Ecology                                                                                | 3  | AS, AM,<br>TA |                   | 10  |                             |
| 15 | 3<br>Dec  | <b>FINAL EXAM</b><br><b>(Plant Taxonomy and Intro. to</b><br><b>Plant Kingdom, Plant Diversity,</b><br><b>Plant Ecology, and Plant</b><br><b>Evolution)</b> |                                                                                              |    |               | <b>50</b>         |     | <b>Room:</b><br><b>L03</b>  |
|    |           |                                                                                                                                                             | <b>FINAL EXAM.</b><br><b>(LAB. - Plant Taxonomy,</b><br><b>Identification and Diversity)</b> |    |               |                   |     | <b>Room:</b><br><b>N300</b> |

Course evaluation: (SCPL 286): 1. Midterm examination = 80 scores (61.5%)

2. Final examination = 50 scores (38.5%)

(SCPL 287) Report, quiz and examination = 110 scores (100%)

Course co-ordinators: Assist. Prof. Aussanee Pichakam Room N302, Tel. 0 2201 5232

Assist. Prof. Ngarmnij Chuenboonngarm Room N302, Tel. 0 2201 5232

#### Lecturers

AM: Ms. Atchara Muengkrut

AP: Dr. Aussanee Pichakam

AS: Dr. Alyssa Stewart

NC: Dr. Ngarmnij Chuenboonngarm

PK: Dr. Panida Kongsawadworakul

PU: Dr. Puangpaka Umpunjun

SS: Dr. Sasivimon Swangpol

SSr: Mr. Sombat Sriwannagarm

TJ: Dr. Thaya Jenjittikul

UV: Dr. Unchera Viboonjun

TA: Teaching assistant