

Schedule (preliminary, valid as of April 8, 2021)

(Animal & Plant Phys. kurs) (plant part) 5MO101, May 3- June 5, 2021)

Teachers:

- Leszek Kleczkowski (LK), **main teacher**, leszek.kleczkowski@umu.se, tel. 090-193439
- Benedicte Albrechtsen (BA) benedicte.albrechtsen@umu.se
- Laszlo Bako (LB), laszlo.bako@umu.se
- Catherine Bellini (CB), catherine.bellini@umu.se
- Vaughan Hurry (VH), vaughan.hurry@slu.se
- Johannes Hanson (JH), johannes.hanson@umu.se
- Stefan Jansson (SJ), stefan.jansson@umu.se
- Markus Schmid (MS), markus.schmid@umu.se

Teaching assistants:

- Nabila El Arbi (NEA) nabila.elarbi@umu.se
- Pushan Bag (PB), pushan.bag@umu.se

Textbook: **Taiz & Zeiger – Plant Physiology (and Development)**

All meetings with **LK** are via zoom at <https://umu.zoom.us/j/66366169404>

week 18

Monday, May 3

- 9.00-9.30 Introduction (**LK**)
9.30-11.30 Plant cell (lecture) (**LK**)

Tuesday, May 4

- 9.00-11.30 Studying protein function in plants (lecture) (**LK**)

Wednesday, May 5

- 9.00-11.30 Plant hormones & photomorphogenesis (lecture) (**LK**)
11.45-12.00 **Choice of oral presentations (intro)** (**LK**)

Thursday, May 6

- 9.00-11.00 Plant anatomy (lecture) (**PB**)

Friday, May 7

- 9.00-11.15 Plant growth & development (lecture) (**MS**)
13.00-13.30 How to search for literature? (**LK**)

week 19

Monday, May 10

- 9.00-11.30 **Anatomy lab (lab#1)** (**PB, NEA**)
13.00-15.15 Plants and abiotic stress (lecture) (**VH**)

Tuesday, May 11

- 9.00-12.00 GMO plants - methods/controversies (discussion) (SJ)
13.00-15.15 Photosynthesis and respiration I (lecture) (LK)

Wednesday, May 12

- 9.00-12.00 Tissue-specific gene expression (lab#2) (NEA, PB)
13.15-15.30 Photosynthesis and respiration II (lecture) (LK)

Thursday, May 13

HOLIDAY

Friday, May 14

- 9.00-11.15 Photosynthesis and respiration III (lecture) (LK)
13.00-15.45 Discussion of 1st reading assignment (LK)

week 20

Monday, May 17

- 9.00-11.15 Plant Biotechnology in agriculture (lecture) (LB)
11.15-12.00 Choice of oral presentations (LK)

Tuesday, May 18

- 9.00-11.45 Discussion of 2nd reading assignment (LK)

Wednesday, May 19

- 9.00-11.00 Plant secondary (specialized) metabolism (lecture) (BA)
16.00 **Deadline for lab#1 report**

Thursday, May 20

- 9.00-11.30 Tissue-specific gene expression – literature discussion (lab#2) (NEA, PB)

Friday, May 21

- 9.00-11.15 Transport in plants (lecture) (LK)

week 21

Monday, May 24

- 9.00-11.15 Nitrogen uptake and metabolism (lecture) (LK)

Tuesday, May 25

- 9.00-11.15 Presentation of UPSC & student prospects (projects, etc.) (CB)

Wednesday, May 26

- 9.00-11.45 Discussion of the 3rd reading assignment (LK)

Thursday, May 27

- 9.00-11.15 Sugar regulation in plants (lecture) (JH)
16.00 **Deadline for lab#2 report**

Friday, May 28

Preparation for oral presentations

week 22

Monday, May 31

9.00-16.00 **Oral presentations (LK)**

Tuesday, June 1

9.00-16.00 **Oral presentations (LK)**

Wednesday, June 2

Preparation for the EXAM

Thursday, June 3

Preparation for the EXAM

Friday, June 4

EXAM 08.00 -12.00 Östra Paviljongen