

Schedule (preliminary, valid as of April 3, 2022)

(Animal & Plant Phys. kurs) (plant part) 5MO101, April 29- June 2, 2022)

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
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- 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
- Varvara Dikaya (VD) varvara.dikaya@umu.se

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

Most meetings will be in person. Some might be via zoom. Zoom address for all zoom meetings: <https://umu.zoom.us/j/66366169404> Passcode: **566566**

week 17

Friday, April 29

9.00-9.30	Introduction (LK)	KB.G4.02
9.30-11.30	Plant cell (lecture) (LK)	KB.G4.02

Week 18

Monday, May 2

9.00-11.30	Studying protein function in plants (lecture) (LK)	KB.G4.02
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Tuesday, May 3

9.00-11.30	Plant hormones & photomorphogenesis (lecture) (LK)	KB.G4.02
11.45-12.00	Choice of oral presentations (intro) (LK)	KB.G4.02

Wednesday, May 4

13.00-15.15	Plants and abiotic stress (lecture) (VH)	KB.G4.02
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Thursday, May 5

9.00-11.15	Plant growth & development (lecture) (MS)	KB.G4.02
13.00-13.30	How to search for literature? (LK)	KB.G4.02

Friday, May 6

9.00-12.00	GMO plants - methods/controversies (discussion) (SJ)	KB.G4.02
13.00-15.15	Photosynthesis and respiration I (lecture) (LK)	KB.G4.02

week 19

Monday, May 9

9.00-9.45	Student choice of oral presentations (LK)	KB.G4.02
10.00-12.00	Plant anatomy (lecture) (NEA)	KB.G4.02
13.00-16.30	Anatomy lab (lab#1a) (NEA, VD)	KB.G4.02 KB.G4.04

Tuesday, May 10

9.00-12.30	Anatomy lab (lab#1b) (NEA, VD)	KB.G4.04
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Wednesday, May 11

9.00-17.00	Tissue-specific gene expression (lab#2a) (NEA, VD)	KB.G4.02 KB.G4.04
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Thursday, May 12

9.00-16.00	Tissue-specific gene expression (lab#2b) (NEA, VD)	KB.G4.04
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Friday, May 13

9.00-16.00	Tissue-specific gene expression (lab#2c) (NEA, VD)	KB.G4.04
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week 20

Monday, May 16

9.00-11.15	Photosynthesis and respiration II (lecture) (LK)	KB.G4.02
13.00-15.45	Discussion of 1st reading assignment (LK)	KB.G4.02

Tuesday, May 17

9.00-11.15	Photosynthesis and respiration III (lecture) (LK)	KB.G4.02
17.00	Deadline for lab#1 report	

Wednesday, May 18

9.00-11.30	Plant secondary (specialized) metabolism (lecture) (BA)	KB.G4.02
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Thursday, May 19

9.00-11.30	Sugar regulation in plants (lecture) (JH)	KB.G4.02
13.00-15.45	Discussion of 2 nd reading assignment (LK)	KB.G4.02

Friday, May 20

9.00-11.30	Plant Biotechnology in agriculture (lecture) (LB)	KB.G4.02
17.00	Deadline for lab#2 report	

week 21

Monday, May 23

9.00-11.00 **Lab#2, – literature discussion (NEA, VD)** **KB.G4.02**
Preparation for oral presentations

Tuesday, May 24

9.00-16.00 **Oral presentations (LK)** **KB.G4.02**

Wednesday, May 25

9.00-16.00 **Oral presentations (LK)** **KB.G4.02**

Thursday, May 26

HOLIDAY

Friday, May 27

9.00-11.15 Nitrogen uptake and metabolism (lecture) (LK) **KB.G4.02**

week 22

Monday, May 30

9.00-11.15 Presentation of UPSC & student prospects (projects, etc.) /**zoom**/ (CB)
Preparation for the EXAM

Tuesday, May 31

Preparation for the EXAM

Wednesday, June 1

Preparation for the EXAM

Thursday, June 2

EXAM