**Plant Growth and Development, 2023/24**

**LECTURES** in Umeå are at **SLU Umeå, Rönnen**, and will be streamed to Ultuna and Alnarp.

**LITERATURE SEMINARS** (in Umeå) will be at **UPSC / KB.G4.02** (KB4C10)

All **LAB PRACTICALS** (in Umeå) will take place at **UPSC / KB.G4.04** (KB4C9)

*Teacher Contact Information:*

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| --- | --- | --- |
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*Lectures Overview:*

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| --- | --- | --- | --- | --- |
| # | Title | By | Location | Group |
| 1a | Welcome | MS | Rönnen |  |
| 1b | Introduction to (Plant) Development | MS | Rönnen |  |
| 2 | Cell Division & Polarity | PM | Rönnen |  |
| 3 | Cell Expansion & Elongation | SV | Rönnen |  |
| 4 | Plant Embryogenesis | MS | Rönnen |  |
| 5 | Seed Maturation & Germination | JH | Rönnen |  |
| 6 | Shoot Apical Meristem | SV | Rönnen |  |
| 7 | Root Apical Meristem & Primary Root | CB | Rönnen |  |
| 8 | Lateral & Adventitious Roots | CB | Rönnen |  |
| 9 | Leaf Development & Epidermal Patterning | SW | Rönnen |  |
| 10 | Vasculature Development | CM | Ultuna |  |
| 11 | Secondary Growth | HT | Rönnen |  |
| 12 | Regulation of Flowering Time | MS | Rönnen |  |
| 13 | Floral Patterning | ON | Rönnen |  |
| 14 | Reproductive Development | SR | Ultuna |  |
| 15 | Developmental Genetics & Evolution | AS | Ultuna |  |
| 16 | Circadian Clock & Diurnal Regulation of Growth | ME | Rönnen |  |
| 17 | Response to the Environment (stress) | JH | Rönnen |  |
| 18 | Tree Phenology | RB | Rönnen |  |
| 19 | Plant Senescence | OK | Rönnen |  |

**Plant Growth and Development (2022/23)**

Lectures & Seminars:

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| --- | --- | --- | --- | --- | --- | --- |
|  |  | **08:00 – 10:00** | **10:00 – 12:00** | **12:00 – 13:00** | **13:00 – 15:00** | **15:00– 17:00** |
| 31 Oct, 2023 | Tuesday |  | Welcome (SW) | Introduction to (Plant) Development (SW) |  | Organisational Meeting, Umeå (SW) |  |  |
| 01 Nov, 2023 | Wednesday |  | Cell Division & Polarity (PM) |  |  | Cell Expansion & Elongation (SV) |  |  |
| 02 Nov, 2023 | Thursday |  | Plant Embryogenesis (MS) |  |  |  |  |  |
| 03 Nov, 2023 | Friday |  | Shoot Apical Meristem (SV) |  |  | Root Apical Meristem & Primary Root (CB; Zoom) |  |  |
| 06 Nov, 2023 | Monday |  | Lateral & Adventitious Roots (CB; Zoom) |  |  | Leaf Development & Epidermal Patterning (SW) |  |  |
| 07 Nov, 2023 | Tuesday |  | Vasculature Development (CM; *Ultuna*) |  |  | Secondary Growth (HT) |  |  |
| 08 Nov, 2023 | Wednesday |  | Regulation of Flowering Time (MS) |  |  | Seed Maturation & Germination (JH) |  |  |
| 09 Nov, 2023 | Thursday |  | Floral Patterning (ON) |  |  | Reproductive & Endosperm Development (SR; *Ultuna*) |  |  |
| 10 Nov, 2023 | Friday |  | Literature Seminar 1 |  |  |  |  |  |
| 13 Nov, 2023 | Monday |  | Developmental Genetics & Evolution (AS; *Ultuna*) |  |  | Circadian Clock & Diurnal Regulation of Growth (ME) |  |  |
| 14 Nov, 2023 | Tuesday |  |  |  |  | Tree Phenology (RB) |  |  |
| 15 Nov, 2023 | Wednesday |  | Plant Senescence (OK) |  |  | Response to the Environment (stress) (JH) |  |
| 16 Nov, 2023 | Thursday |  | Literature Seminar 2  |  |  |  |  |
| 17 Nov, 2023 | Friday |  |  |  |  |  |  |  |

Labs:

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|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 20 Nov, 2023 | Monday |  | Lab |  |  |  |  |  |  |  |  |
| 21 Nov, 2023 | Tuesday |  |  | Lab  |  |  |  |  |  |  |  |
| 22 Nov, 2023 | Wednesday |  |  |  |  |  |  |  |  |  |  |
| 23 Nov, 2023 | Thursday |  |  | Seminar/Discussion |  |  |  |  |  |  |  |
| 24 Nov, 2023 | Friday |  |  |  |  |  | Lab |  |  |  |  |
| 27 Nov, 2023 | Monday |  |  |  |  |  | Lab Group 1 |  |  |  |  |
| 28 Nov, 2023 | Tuesday | Lab Group 1 |  |  |  |  |  |  |  |  |  |
| 29 Nov, 2023 | Wednesday |  | Lab |  |  |  | Lab Group 2 |  |  |  |  |
| 30 Dec, 2023 | Thursday | Labb Group 2 |  |  |  |  |  |  |  |  |  |
| 01 Dec, 2023 | Friday |  |  |  |  |  |  |  |  |  |  |
| 04 Dec, 2023 | Monday |  | Lab |  |  |  |  |  |  |  |  |
| 05 Dec, 2023OK att flytta till em | Tuesday |  | Lab |  |  |  |  |  |  |  |  |
| 06 Dec, 2023 | Wednesday |  | Seminar/Discussion |  |  |  |  |  |  |  |  |
| 07 Dec, 2023 | Thursday |  |  |  |  |  |  |  |  |  |  |
| 08 Dec, 2023 | Friday |  |  |  |  |  |  |  |  |  |  |

Student Presentations:

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|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 11 Dec, 2023 | Monday |  |  |  |  |  |  |  |  |  |  |
| 12 Dec, 2023 | Tuesday |  |  | Presentations |  |  | Presentations |  |  |  |  |
| 13 Dec, 2023 | Wednesday |  |  | Presentations |  |  | Presentations |  |  |  |  |

Questions & Answers[[1]](#footnote-1):

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|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 08 Jan, 2024 | Monday |  |  |  |  |  |  |  |  |  |  |
| 09 Jan, 2024 | Tuesday |  |  |  |  |  |  |  |  |  |  |

Exam & Re-Exam:

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|  |  | **08:00 – 09:00** | **09:00 – 10:00** | **10:00 – 11:00** | **11:00 – 12:00** | **12:00 – 13:00** | **13:00 – 14:00** | **14:00 – 15:00** | **15:00 – 16:00** | **16:00 – 17:00** | **17:00 – 18:00** |
| 12 Jan, 2024 | Friday |  | EXAM |  |  |  |
| 17 Feb, 2024 | Saturday |  | RE-EXAM |  |  |  |

1. We will try to organize this as Zoom meeting, with dedicated time slots for individual teachers. [↑](#footnote-ref-1)