

## Plant Growth and Development, 2024/25

**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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### Lectures Overview:

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

# Plant Growth and Development (2024/2025)

## Lectures & Seminars:

		08:00 – 10:00	10:00 – 12:00	12:00 – 13:00	13:00 – 15:00	15:00 – 17:00
04 Nov, 2024	Monday		Welcome (SW) Introduction to (Plant) Development (SW)		Organisational Meeting, Umeå (SW)	
05 Nov, 2024	Tuesday		Leaf Development & sORFs (SW)		Cell Expansion & Elongation (SV)	
06 Nov, 2024	Wednesday		Plant Embryogenesis (MS; <i>Ulltuna</i> )		Tree Phenology (RB)	
07 Nov, 2024	Thursday		Shoot Apical Meristem (SV)		Cell Division & Polarity (PM)	
08 Nov, 2024	Friday		Root Apical Meristem & Primary Root (CB; Zoom)			
11 Nov, 2024	Monday		Regulation of Flowering Time (MS; <i>Ulltuna</i> )		Vasculature Development (CM; <i>Ulltuna</i> )	
12 Nov, 2024	Tuesday		Secondary Growth (CM; <i>Ulltuna</i> )		Seed Maturation & Germination (JH)	
13 Nov, 2024	Wednesday				Reproductive & Endosperm Development (SR; <i>Ulltuna</i> )	
14 Nov, 2024	Thursday		Literature Seminar 1, Group A (SW)		Literature Seminar 2, Group B (SW)	
15 Nov, 2024	Friday				Circadian Clock & Diurnal Regulation of Growth (ME)	
18 Nov, 2024	Monday		Developmental Genetics & Evolution (AS; <i>Ulltuna</i> )		Lateral & Adventitious Roots (CB; Zoom)	
19 Nov, 2024	Tuesday		Floral Patterning (ON)		Response to the Environment (stress) (JH)	
20 Nov, 2024	Wednesday		Literature Seminar 2, Group B (SW)		Literature Seminar 2, Group A (SW)	
21 Nov, 2024	Thursday		Plant Senescence (OK)			

## Labs:

		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
25 Nov, 2024	Monday		Lab1 (9-12)								
26 Nov, 2024	Tuesday						Lab1 (13-16)				
27 Nov, 2024	Wednesday		WFH	Analyze data							
28 Nov, 2024	Thursday			Discussion(10-12)			Lab 2 intro (13-14)				
29 Nov, 2024	Friday						Lab2 (13-17)				
02 Nov, 2024	Monday					Lab 3 group 1	(12-17)				
03 Dec, 2024	Tuesday	Lab 3 Group 1	8-17)								
04 Nov, 2024	Wednesday		Lab 2 (9-11.30)			Lab 3 group2	(12-17)				
05 Dec, 2024	Thursday	Lab 3 Group 2	(8-17)								
06 Dec, 2024	Friday		WFH								
09 Dec, 2024	Monday		WFH								
10 Dec, 2024	Tuesday		Lab 2 (9-17)								
11 Dec, 2024	Wednesday		Lab 1 (9-12)								
12 Dec, 2024	Thursday		WFH								
13 Dec, 2024	Friday		Lab 2 (9-12)								

## Student Presentations:

		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
16 Dec, 2024	Monday										
17 Dec, 2024	Tuesday										
18 Dec, 2024	Wednesday										

## Questions & Answers 1:

		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
09 Jan, 2024	Thursday										
10 Jan, 2024	Friday										

## Exam & Re-Exam:

		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
17 Jan, 2025	Friday										
15 Feb, 2025	Saturday										

<sup>1</sup> We will try to organize this as Zoom meeting, with dedicated time slots for individual teachers.