

Schedule: Introduction to Plant Biology for Sustainable Production (BI1294)

Week 35		Introduction/how do we study plants-transcription	Locale	Teacher	Category
Monday 30/8	09.00-12.00	Campus specific introductions and course registration	<a href="https://student.slu.se/en/sw-calendar/2021/8/roll-call---first-day-of-the-semester/">https://student.slu.se/en/sw-calendar/2021/8/roll-call---first-day-of-the-semester/</a>		
	15.00-16.00	Welcome course introduction	<a href="https://slu-se.zoom.us/j/69164076409">https://slu-se.zoom.us/j/69164076409</a> , ID: 691 6407 6409, code: 584835	JS/IL/VH	Seminar
Tuesday 31/8	10.30-12.30	DNA-RNA-protein and the Central dogma	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Lecture
Wednesday 1/9	10.30-12.30	How do we study plants*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	SJ	Lecture
Thursday 2/9	10.30-12.30	Plant cell architecture*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JH	Lecture
Friday 3/9	10.30-12.30	Transcriptional regulation	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Lecture
	13.30-15.30	How to write about Biology/Writing exercise A.	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Seminar
<b>Week 36</b>		<b>How do we study plants-proteins and models</b>			
Monday 6/9	10.30-12.30	How do we study RNA levels	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Lecture
Tuesday 7/9	10.30 –12.30	Protein synthesis and regulation*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JH	Lecture
	13.30-15.30	How do we study protein levels*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JH	Lecture
Wednesday 8/9	10.30 –12.30	Plant anatomy/ Exchange of texts, Student Self correction	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Lecture
Thursday 9/9	10.30-12.30	Mutants transgenes Crispr*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Lecture
Friday 10/9	10.30-12.30	Model systems*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS	Lecture
	13.30-15.30	Seminar about the UN-SDGs	Zoom-seminar	JS	Seminar
<b>Week 37</b>		<b>Hormones and signalling</b>			
Monday 13/9	13.30 – 14.30	Introduction to Journal Club1 & Writing exercise B.	Zoom-lecture	JS	Seminar
	10.30-12.30	Protein modification and degradation*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	LB	Lecture
Tuesday 14/9	10.30-12.30	Introduction to signalling*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JH	Lecture
Wednesday 15/9	10.30 – 12.30	Hormones 1.*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JH	Lecture
Thursday 16/9	10.30 – 12.30		Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JH	Lecture
Friday 17/9	10.30 – 12.30	Hormones 2.*	Ultuna: Sal H, Umeå: Rönner, Alnarp: Plantan	JS/IL	Lecture
	13.30 – 15.30	Journal Club1, Student Self correction of writing exercise B	Ultuna: ???, Alnarp: Sunnan		
<b>Week 38</b>		<b>Omics</b>			
Monday 20/9	09.00 – 11.00	Follow up on Writing exercise B/Introduction to Journal Club 2 (Writing exercise C)	Zoom	JS	Seminar

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Tuesday 21/9	10.30 – 12.30	Introduction Next Generation sequencing	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	NS	Lecture
Wednesday 22/9	10.30 – 12.30	RNAseq	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	NS	Lecture
	13.30-15.30	Introduction to lab practical/primer design	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	JS/IL	Seminar
Thursday 23/9	10.30 – 12.30	Introduction to Plant Proteomics	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	SR	Lecture
Friday 24/9	10.30 – 12.30	Metabolomics	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	Hans Stenlund	Lecture
	13.30 – 15.30	Journal Club 2	Ultuna: ???, Alnarp: Sunnan	JS/IL	
<b>Week 39</b>		<b>Ethics</b>			
Monday 27/9	10.30 – 12.30	Genomes and signalling*	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	ÅS	Lecture
	13.30-15.30	Ethics	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	Per Sandin	Seminar
Tuesday 28/9	10.30 – 12.30	Plant Genetic Resources and the Nagoya protocol	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	JS	Seminar
Wednesday 29/9	10.30 – 12.30	Ethics	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	Per Sandin	Seminar
Thursday 30/9	10.30 – 12.30	Scientific communication	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	JS	Lecture
Friday 1/10	10.30 – 12.30	Food evolution	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	JS	Seminar
<b>Week 40</b>		<b>Evolution</b>			
Monday 4/10	10.30 – 12.30	Introduction to evolutionary biology	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	ÅL	Lecture
	Pm	Group work			
Tuesday 5/10	Am	Group work	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	ÅL	
	13.30-15.30	Presentations, evolutionary biology	Ultuna: Sal H, Umeå: Rönne, Alnarp: Plantan	ÅL	Seminar
Wednesday 6/10		Lab manual dead-line/Planting of seeds			
Thursday 7/10		Self Studies			
Friday 8/10		Self Studies			
<b>Week 41</b>		<b>Exam week</b>			
Monday 11/10	10.30 – 12.30	Introduction to home-exam	Zoom-lecture	JS/IL/VH	Lecture
Tuesday 12/10		Oral exams	Zoom		
Wednesday 13/10		Oral exams	Zoom	JS/IL	
Thursday 14/10	13.00-16.00	Oral exams	Zoom	JS/IL	Seminar
Friday 15/10		Dead-line home-exam			
<b>Week 42</b>		<b>LAB Week</b>			
Monday 18/10	am	LAB: Nutrient media application Day1	BÖL1	AK/MLL	Practical
	pm	LAB: revision of lab manual	BÖL1	AK/MLL	Practical
Tuesday 19/10	am	LAB: Nutrient media application Day2	BÖL1	AK/MLL	Practical
	pm	LAB	BÖL1	AK/MLL	Practical
Wednesday 20/10	am	LAB: Nitrate reduction measurements	BÖL1	AK/MLL	Practical
	pm	LAB	BÖL1	AK/MLL	Practical

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<b>Thursday 21/10</b>	<b>am</b>	LAB: RNA prep and cDNA synth.	BÖL1	AK/MLL	Practical
	<b>pm</b>	LAB	BÖL1	AK/MLL	Practical
<b>Friday 22/10</b>	<b>am</b>	LAB: PCR and writing of lab report	BÖL1	AK/MLL	Practical
	<b>pm</b>	LAB	BÖL1	AK/MLL	Practical
<b>Week 43</b>		<b>Presentation week</b>			
<b>Monday 25/10</b>		Dead-line lab reports			
<b>Tuesday 26/10</b>	<b>08.00-16.00</b>	Presentations of written Lab-results			
<b>Wednesday 27/10</b>	<b>08.00-16.00</b>	Presentations of home-exam	Ultuna: Sal H, Umeå: Rönnen, Alnarp: Plantan	JS/IL	
<b>Thursday 28/10</b>		Self Studies			
<b>Friday 29/10</b>	<b>08.00-16.00</b>	Presentations of home-exam	Alnarp: Articum1 Ultuna:Tentamenssal2		