

SCIENCE AND FOR SUSTAINABLE LIFE

COURSE LEADER

Salim Bourras Associate Professor in Plant Pathology salim.bourras@slu.se

BI1044

SLU'S ADVANCED PLANT PATHOLOGY MASTER COURSE

FALL SEMESTER 2023 COURSE SCHEDULE

Version July 09, 2023

Department of Forest Mycology and Plant Pathology. Swedish University of Agricultural Sciences. Almas Allé 5, 75007. Uppsala. Sweden.

	Monday 28 Aug.	Tuesday 29 Aug.	Wednesday 30 Aug.
9:00		#Lecture [AK]	#Lecture [SB]
10:15		Introduction to Plant Virology.	Diagnostics and Identification of Plant Diseases: Symptomatology, Koch postulates.
D l		Arenander - Ultuna library	BioC-C21
Break			
10:30 12:00		#Lecture [AK] Transmission of Plant Viruses.	#Lecture [SB] Diagnostics and Identification of Plant Diseases: Symptomatology, Koch postulates.
5 1		Arenander - Ultuna library	BioC-C21
Break	#Course lutured attack [CD]	# Field Marcul, Card	formula an analysis and 2
13:00 14:15	#Course Introduction [SB]	# Field Work [AK] - Survey of Plant Viruses at	{work on assignments}
	BioC-C216	Uppsala Botanical Garden	
Break			
14:30	#Lecture [SB]	# Field Work [AK]	{work on assignments}
16:00	Principles of Plant Pathology BioC-C216	- Survey of Plant Viruses at Uppsala Botanical Garden	
	BIOC-C210	Oppsala Botalical Galden	
	Thursday 31 Aug.	Friday 1 Sep.	Remarks
9:00	#Field Work [SB/BA]	#Lab Work [AB/BA] updated	Field work on Tuesday and
10:15	- Survey of plant diseases How to perform and report field observations. BÖL 2 - Campus Ultuna	content - Diagnostics of Plant Diseases [Microscopy Practical] BÖL 2	Thursday: please check the weather forecast and prepare accordingly.
Break			Lab work {all instances}: bring
10:30 12:00	#Field Work [SB/BA] - Survey of plant diseases. How to perform and report field observations.	#Lab Work [AB/BA] updated content - Diagnostics of Plant Diseases [Microscopy Practical]	your lab coat. Wearing a closed lab coat at all times when you are in the lab is mandatory.
	BÖL 2 - Campus Ultuna	BÖL 2	
Break			
13:00 14:15	#Lab Work [SB/BA] - Diagnostics and isolation of plant pathogens. Microscopy Lab. Microbiology Lab. BÖL 2		
Break			
14:30	#Lab Work [SB/BA]		

Work on assignments Hab Work [SB/] - Molecular diagnostics of plant pathobiomes DNA extraction SÖL 2		Monday 4 Sep.	Tugeday 5 Can	Wadnacday & Can
### Amolecular diagnostics of plant pathobiomes [D/WA extraction] ### BÖL 2 ### Break 10:30	0.00		Tuesday 5 Sep.	Wednesday 6 Sep.
Break 10:30 12:00 Break 10:30 13:00 Break 10:30 Br		{work on assignments}		
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Break 10:30 12:00 #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [DNA extraction] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [Gel electrophoresis] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [Gel electrophoresis] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Inursday Sept. #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Inursday Sept. #Lab Work [SB/] - Molecular diagnostics of plant pathobiomes [FCR detection] #Inursday Sept. #Inursd			•	1 *
Break				-
10:30 12:00 Work on assignments Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [DNA extraction] BÖL 2			BÖL 2	BÖL 2
- Molecular diagnostics of plant pathobiomes [DNA extraction] Break TEX1 [MK/EP]: Phylogeny of plant pathogenic fungl. Uploaded on canvas. 13:00 Hecture [MSG] - Molecular diagnostics of plant pathobiomes [Gel electrophoresis] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hecture [MK] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Holden Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl. 2 Break Hab Work [SB/] - Molecular diagnostics of plant pathobiomes [PCR detection] Böl.	Break			
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13:00 #Lecture [MSG] 14:15 - Plant pathogens in the tree-of-life Break 14:30 #Lab Work [SB/] 16:00 BioC-C216 Break 14:30 #Lecture [MK] - Systematics of the fungal kingdom BioC-C216 BioC-C216 BioC-C216 BioC-C216 Thursday 7 Sep. Friday 8 Sep. #Lecture [MK] - Molecular diagnostics of plant pathobiomes [PCR detection] BioC-C216 Thursday 7 Sep. Friday 8 Sep. #Lecture [MK] - Molecular Characterization of Fungal Pathogens				
14:15 - Plant pathogens in the tree-of- life Break 14:30 #Lecture [MK] - Systematics of the fungal kingdom BioC-C216 Break 19:00 Macro	12:00		#I ab Mark [CD /]	(work on assignments)
life				{work on assignments}
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Break 14:30 #Lecture [MK] - Systematics of the fungal kingdom BioC-C216 BioC-C			•	
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- Systematics of the fungal kingdom - Molecular diagnostics of plant pathobiomes [PCR detection] - Molecular diagnostics of plant pathobiomes [PCR detection] - Molecular Characterization of Fungal Pathogens - Molecular diagnostics of plant pathogenic Fungal Sept. - Molecular Characterization of Fungal Pathogens - Molecular diagnostics of plant pathogenic Fungal Sept. - Molecular Characterization of Fungal Pathogenic Fungal Sept. - Molecular Character	Break			
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14:15 - Phylogeny of Plant Pathogenic Fungi Break 14:30 #TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic Fungi Work on assignments Fungi	Break 10:30 12:00	{work on assignments}	of Fungal Pathogens Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2,	lab coat at all times when you are
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Break 14:30 #TEX1 Group Study [MK] 16:00 - Phylogeny of Plant Pathogenic Fungi {work on assignments}	Break 10:30 12:00 Break 13:00	#TEX1 Group Study [MK]	of Fungal Pathogens Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library	lab coat at all times when you are
Break 14:30 #TEX1 Group Study [MK] 16:00 - Phylogeny of Plant Pathogenic Fungi {work on assignments}	Break 10:30 12:00 Break 13:00	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic	of Fungal Pathogens Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library	lab coat at all times when you are
Break 14:30 #TEX1 Group Study [MK] 16:00 - Phylogeny of Plant Pathogenic Fungi {work on assignments}	Break 10:30 12:00 Break 13:00	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic	of Fungal Pathogens Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library	lab coat at all times when you are
14:30 #TEX1 Group Study [MK] 16:00 - Phylogeny of Plant Pathogenic Fungi {work on assignments}	Break 10:30 12:00 Break 13:00	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic Fungi	of Fungal Pathogens Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library	lab coat at all times when you are
16:00 - Phylogeny of Plant Pathogenic Fungi	Break 10:30 12:00 Break 13:00 14:15	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic Fungi	of Fungal Pathogens Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library	lab coat at all times when you are
Fungi	Break 10:30 12:00 Break 13:00 14:15	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic Fungi BioC-C216	Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library {work on assignments}	lab coat at all times when you are
	Break 10:30 12:00 Break 13:00 14:15 Break 14:30	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic Fungi BioC-C216 #TEX1 Group Study [MK]	Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library {work on assignments}	lab coat at all times when you are
	Break 10:30 12:00 Break 13:00 14:15 Break 14:30	#TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic Fungi BioC-C216 #TEX1 Group Study [MK] - Phylogeny of Plant Pathogenic	Computer room 1 and 2, Ultuna library #TEX1 Computer Exercise [MK/EP] - Phylogeny of Plant Pathogenic Fungi Computer room 1 and 2, Ultuna library {work on assignments}	lab coat at all times when you are
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	37 _ September 11 – September 15		
	Monday 11 Sep.	Tuesday 12 Sep.	Wednesday 13 Sep.
9:00	{work on assignments}	# Lab Work [MD]	{work on assignments}
10:15		- Biological Control of Plant	
		Diseases	
ļ		BÖL 2	
Break			
10:30	{work on assignments}	# Lab Work [MD]	{work on assignments}
12:00		- Biological Control of Plant	
		Diseases	
ļ		BÖL 2	
Break	TEX2 [MK]: Biological control of	5612	
Break	plant pathogens. Uploaded on		
	Canvas.		
13:00	# Lab Work [MD]	# Lab Work [MD]	{work on assignments}
14:15	- Biological Control of Plant	- Biological Control of Plant	[work on assignments]
14.13	Diseases	Diseases	
	Diseases	Diseases	
	BÖL 2	BÖL 2	
Break	BULZ	BULZ	
	# L = - \\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	# Lab 24/aul. [84D]	[al.anasiananasia
14:30	# Lab Work [MD]	# Lab Work [MD]	{work on assignments}
16:00	- Biological Control of Plant	- Biological Control of Plant	
	Diseases	Diseases	
	- 9	_ *	
	BÖL 2	BÖL 2	
	Thursday 14 Sep.	Friday 15 Sep.	Remarks
9:00	#Lecture [BA]	#Lecture [MK]	noma ka
10:15	- Life cycle and epidemiology of	- Biological disease control	
10.15	airborne pathogens.	biological disease control	
	an borne patriogens.		
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	RioC-C216	BioC-C216	
Break	BioC-C216	BioC-C216	
Break			
10:30	#Lecture [MK]	#TEX2 Discussion [MK]	
	#Lecture [MK] - Life cycle and epidemiology of	#TEX2 Discussion [MK] - Biological control of plant	
10:30	#Lecture [MK]	#TEX2 Discussion [MK]	
10:30	#Lecture [MK] - Life cycle and epidemiology of	#TEX2 Discussion [MK] - Biological control of plant	
10:30	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens.	#TEX2 Discussion [MK] - Biological control of plant pathogens.	
10:30 12:00	#Lecture [MK] - Life cycle and epidemiology of	#TEX2 Discussion [MK] - Biological control of plant	
10:30 12:00 Break	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216	
10:30 12:00 Break 13:00	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF]	#TEX2 Discussion [MK] - Biological control of plant pathogens.	
10:30 12:00 Break	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216	
10:30 12:00 Break 13:00	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF]	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216	
10:30 12:00 Break 13:00	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216	
10:30 12:00 Break 13:00 14:15	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF]	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216	
10:30 12:00 Break 13:00 14:15	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216 {work on assignments}	
10:30 12:00 Break 13:00 14:15	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216	
10:30 12:00 Break 13:00 14:15	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216 {work on assignments}	
10:30 12:00 Break 13:00 14:15 Break 14:30	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216 {work on assignments}	
10:30 12:00 Break 13:00 14:15 Break 14:30	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216 {work on assignments}	
10:30 12:00 Break 13:00 14:15 Break 14:30	#Lecture [MK] - Life cycle and epidemiology of soilborne pathogens. BioC-C216 #Lecture [HF] - Suppressive soils BioC-C216	#TEX2 Discussion [MK] - Biological control of plant pathogens. BioC-C216 {work on assignments}	

	Monday 18 Sep.	Tuesday 19 Sep.	Wednesday 20 Sep.
9:00	{work on assignments}	#Lecture [BA]	#Lecture [JZ/AB]
10:15	(work on assignments)	- Chemical disease control.	- Principles of plant disease
			epidemiology.
		Arenander - Ultuna library	BioC-C216
Break			
10:30	{work on assignments}	#Lecture [BA]	#Lecture [JZ/AB]
12:00		- Surveillance and forecasting of	- Principles of plant disease
		plant diseases.	epidemiology: statistical models.
		Arenander - Ultuna library	BioC-C216
Break	TEX3 [AB]: Population Genetics of		
	Plant Pathogens. Uploaded on		
	Canvas		
13:00	#Lecture [HF]	#Computer Exercise [BA]	{work on assignments}
14:15	- Fungal mycotoxins.	- Disease forecast.	
	D: 0.0045	D. 0 0045	
Dunale	BioC-C216	BioC-C216	
Break 14:30	#Lecture [MK]	#Computer Exercise [BA]	{work on assignments}
16:00	- Life cycle and epidemiology of	- Disease forecast.	{work on assignments}
10.00	post-harvest diseases.	- Disease Torecast.	
	post narvest discuses.		
	BioC-C216	BioC-C216	
		DIOC-C210	
_	Thursday 21 Sep.	Friday 22 Sep.	Remarks
9:00	Thursday 21 Sep. #Lecture [BA]		Computer exercise on Tuesday:
9:00 10:15	Thursday 21 Sep.	Friday 22 Sep.	
	Thursday 21 Sep. #Lecture [BA]	Friday 22 Sep.	Computer exercise on Tuesday:
	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance.	Friday 22 Sep.	Computer exercise on Tuesday:
10:15	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216	Friday 22 Sep.	Computer exercise on Tuesday:
10:15 Break	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216	Friday 22 Sep. {work on assignments}	Computer exercise on Tuesday:
10:15	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV]	Friday 22 Sep.	Computer exercise on Tuesday:
10:15 Break 10:30	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216	Friday 22 Sep. {work on assignments}	Computer exercise on Tuesday:
10:15 Break 10:30	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV]	Friday 22 Sep. {work on assignments}	Computer exercise on Tuesday:
10:15 Break 10:30 12:00	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV]	Friday 22 Sep. {work on assignments}	Computer exercise on Tuesday:
Break 10:30 12:00	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
10:15 Break 10:30 12:00 Break 13:00	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV]	Friday 22 Sep. {work on assignments}	Computer exercise on Tuesday:
Break 10:30 12:00	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
10:15 Break 10:30 12:00 Break 13:00	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic Nematodes.	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
10:15 Break 10:30 12:00 Break 13:00	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
Break 10:30 12:00 Break 13:00 14:15	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic Nematodes.	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
Break 10:30 12:00 Break 13:00 14:15	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic Nematodes. BÖL 2	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
Break 10:30 12:00 Break 13:00 14:15 Break 14:30	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic Nematodes. BÖL 2	Friday 22 Sep. {work on assignments} {work on assignments} Submit a 50% draft of the	Computer exercise on Tuesday:
Break 10:30 12:00 Break 13:00 14:15	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic Nematodes. BÖL 2 #Lab work [MV] - Plant Pathogenic	Friday 22 Sep. {work on assignments} {work on assignments}	Computer exercise on Tuesday:
Break 10:30 12:00 Break 13:00 14:15 Break 14:30	Thursday 21 Sep. #Lecture [BA] - Fungicide resistance. BioC-C216 #Lecture [MV] - Plant pathogenic nematodes BioC-C216 #Lab work [MV] - Plant Pathogenic Nematodes. BÖL 2	Friday 22 Sep. {work on assignments} {work on assignments} Submit a 50% draft of the	Computer exercise on Tuesday:

	Monday 25 Sep.	Tuesday 26 Sep.	Wednesday 27 Sep.
9:00	#Lecture [AB]	#Lecture [MD]	#Lecture [SB]
10:15	- Population genetics of plant pathogens.	- How pathogens attack plants.	- Mechanisms of adaptation of pathogens to new hosts: adapted pathogens.
	BioC-C216	BioC-C216	BioC-C21
Break			
10:30 12:00	#TEX3 Discussion [AB] - Population genetics of plant pathogens.	#Lecture [MD] - How pathogens attack plants.	#Lecture [SB] - Mechanisms of adaptation of pathogens to new hosts: non-adapted pathogens.
	BioC-C216	BioC-C216	BioC-C21
Break	TEX4 [SB]: Durable plant immunity. Uploaded on Canvas.		
13:00	#Lecture [SB]	#Lecture [GT]	{work on assignments}
14:15	- Principles of plant immunity: genetic basis.	- How plants defend against pathogens.	
	BioC-C216	BioC-C216	
Break			
14:30 16:00	#Lecture [SB] - Principles of plant immunity: molecular basis.	#Lecture [GT] - How plants defend against pathogens.	{work on assignments}
	BioC-C216	BioC-C216	
	Thursday 28 Sep.	Friday 29 Sep.	Remarks
9:00 10:15	#Lecture [SB] - Durable plant immunity	# Lab Work [MD] - Biological Control of Plant Diseases	
	BioC-C216	BÖL 3	
Break			
10:30 12:00	#TEX4 Discussion [SB] - Durable plant immunity	# Lab Work [MD] - Biological Control of Plant Diseases	
	BioC-C216	BÖL 3	
	BIOC-C210	BULS	
Break		BOL 3	
13:00	#Lecture [SB] - Biotechnolgies for plant health: principles and applications.	# Lab Work [MD] - Biological Control of Plant Diseases	
13:00	#Lecture [SB] - Biotechnolgies for plant health:	# Lab Work [MD] - Biological Control of Plant	
13:00 14:15	#Lecture [SB] - Biotechnolgies for plant health: principles and applications.	# Lab Work [MD] - Biological Control of Plant Diseases	
Break 13:00 14:15 Break 14:30 16:00	#Lecture [SB] - Biotechnolgies for plant health: principles and applications.	# Lab Work [MD] - Biological Control of Plant Diseases	

9:00			
	Monday 2 Oct.	Tuesday 3 Oct.	Wednesday 4 Oct.
	{work on assignments}	{work on assignments}	{work on assignments}
10:15			
	/		
Break			
10:30	{work on assignments}	{work on assignments}	{work on assignments}
12:00			
Break			
13:00	{work on assignments}	{work on assignments}	{work on assignments}
14:15			
Break			
14:30	{work on assignments}	{work on assignments}	Submit your Lab Report as
16:00			.pdf on Canvas before
			16:00
	Thursday 5 Oct.	Friday 6 Oct.	Remarks
9:00	#IPM Workshop	Submit your group	
10:15	- Group work	presentation as .pdf on	
	ZOOM	Canvas at 8:30 the latest.	
		#IPM Workshop	
		- Group presentations	
		The state of the s	
		Lecture hall T, Ulls hus building E	
Break	IIIDAA MARALA II.		
		/// DA 4 3 4 / - - -	
10:30	#IPM Workshop	#IPM Workshop	
10:30	- Group work	#IPM Workshop - Group presentations	
10:30	·	The state of the s	
10:30	- Group work	- Group presentations	
10:30 12:00	- Group work	The state of the s	
10:30 12:00 Break	- Group work ZOOM	- Group presentations Lecture hall T, Ulls hus building E	
10:30 12:00 Break 13:00	- Group work ZOOM #IPM Workshop	- Group presentations	
10:30 12:00 Break	- Group work ZOOM #IPM Workshop - Group work	- Group presentations Lecture hall T, Ulls hus building E	
10:30 12:00 Break 13:00	- Group work ZOOM #IPM Workshop	- Group presentations Lecture hall T, Ulls hus building E	
10:30 12:00 Break 13:00	- Group work ZOOM #IPM Workshop - Group work	- Group presentations Lecture hall T, Ulls hus building E	
10:30 12:00 Break 13:00 14:15	- Group work ZOOM #IPM Workshop - Group work	- Group presentations Lecture hall T, Ulls hus building E	
10:30 12:00 Break 13:00 14:15	- Group work ZOOM #IPM Workshop - Group work ZOOM	- Group presentations Lecture hall T, Ulls hus building E {work on assignments}	
10:30 12:00 Break 13:00 14:15 Break 14:30	- Group work ZOOM #IPM Workshop - Group work ZOOM #IPM Workshop	- Group presentations Lecture hall T, Ulls hus building E	
10:30 12:00 Break 13:00 14:15	- Group work ZOOM #IPM Workshop - Group work ZOOM #IPM Workshop - Group work	- Group presentations Lecture hall T, Ulls hus building E {work on assignments}	
10:30 12:00 Break 13:00 14:15 Break 14:30	- Group work ZOOM #IPM Workshop - Group work ZOOM #IPM Workshop	- Group presentations Lecture hall T, Ulls hus building E {work on assignments}	

	Monday 9 Oct.	Tuesday 10 Oct.	Wednesday 11 Oct.
9:00	{work on assignments}	{work on assignments}	{work on assignments}
10:15			
Break			
10:30	{work on assignments}	{work on assignments}	{work on assignments}
12:00			
Break			
13:00	{work on assignments}	{work on assignments}	{work on assignments}
14:15			
Break			
14:30	{work on assignments}	{work on assignments}	{work on assignments}
16:00			
	Thursday 12 Oct.	Friday 13 Oct.	Remarks
	Thursday 12 Oct. 9:00 – 9:30 Course Evaluation		Remarks
	9:00 – 9:30 Course Evaluation	Submit your group	Remarks
	9:00 – 9:30 Course Evaluation #One Health Workshop	Submit your group presentation as .pdf on	Remarks
	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest.	Remarks
	9:00 – 9:30 Course Evaluation #One Health Workshop	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop	Remarks
	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest.	Remarks
	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations	Remarks
10:15	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop	Remarks
10:15 Break	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
10:15 Break 10:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop	Remarks
10:15 Break 10:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
10:15 Break 10:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop	Remarks
10:15 Break 10:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations	Remarks
Break 10:30 12:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop	Remarks
Break 10:30 12:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations	Remarks
Break 10:30 12:00 Break 13:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00 14:15	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00 14:15	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00 14:15 Break 14:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
9:00 10:15 Break 10:30 12:00 Break 13:00 14:15 Break 14:30 16:00	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00 14:15 Break 14:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks
Break 10:30 12:00 Break 13:00 14:15 Break 14:30	9:00 – 9:30 Course Evaluation #One Health Workshop - Group work #One Health Workshop - Group work ZOOM #One Health Workshop - Group work ZOOM #One Health Workshop - Group work	Submit your group presentation as .pdf on Canvas at 8:30 the latest. #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B #One Health Workshop - Group presentations Lecture hall Q, Ulls hus building B	Remarks

Week 4	12 _ October 16 – October 20		
	Monday 16 Oct.	Tuesday 17 Oct.	Wednesday 18 Oct.
9:00 10:15	#Finalize case study report and poster	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam
Break			
10:30 12:00	#Finalize case study report and poster	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam
Break			
13:00 14:15	#Finalize case study report and poster	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam
Break			
14:30 16:00	#Submit case study Report and Poster on Canvas at 16:00 the latest.	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam
	Thursday 19 Oct.	Friday 20 Oct.	Remarks
9:00 10:15	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	
Break			
10:30 12:00	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	
Break			
13:00 14:15	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	
Break			
14:30 16:00	#Read case study reports of others #Prepare your case study presentations #Prepare for the exam	#Submit your case study Presentation on Canvas at 16:00 the latest.	

	3 _ October 23 – October 27		
Final ex	xams Monday 23 Oct.	Tuesday 24 Oct.	Wednesday 25 Oct.
9:00 10:15	#Case-Study Presentation Lecture-hall BioC-Lennart Kennes	#Prepare for the final exam	#Final Exam Slots available between 8:00 – 15:30 {up until 17:30} BioC. Room A332 - Preparation BioC. Room A338 - Examination
Break			
10:30 12:00	#Case-Study Presentation Lecture-hall BioC-Lennart Kennes	#Prepare for the final exam	#Final Exam {possible additional slots}
Break			
13:00 14:15	#Case-Study Presentation	#Prepare for the final exam	#Final Exam {possible additional slots}
	Lecture-hall BioC-Lennart Kennes		
14:30 16:00	#Case-Study Presentation	#Prepare for the final exam	#Final Exam {possible additional slots}
	Lecture-hall BioC-Lennart Kennes		
	Thursday 26 Oct.	Friday 27 Oct.	Remarks
9:00 10:15	#Final Exam Slots available between 8:00 – 11:00, 12:00 – 15:00 {optional 16:00 – 17:30} BioC. Room A332 - Preparation BioC. Room A338 - Examination		
Break			
10:30 12:00	#Final Exam		
Break			
13:00 14:15	#Final Exam		
Break			
14:30 16:00	#Final Exam		