

Master Schedule - Astronomy & Physics

COURSES SEMESTER 1 - FALL 2020

Abbreviation	Course name click for course description	Lecturer(s)	Level	EC	Location: click here for an overview map
ATI	Astronomical Telescopes and Instruments (+ AOT for Int.students)	Keller/Kenworthy	500	6	online
EIA	Exo-planets: Interiors and Atmospheres	Miguel	500	3	online
GVL	Gravitational Lensing	Kuijken	400	3	online
HEA	High-Energy Astrophysics	Kaasra	400	3	online
ISM	Interstellar Medium	van der Werf	500	6	online
NUR	Numerical Recipes in Astrophysics	Van Daalen	500	6	online
OEU	Origin and Evolution of the Universe	Schaye	500	6	online
SMA	Simulation and Modeling in Astrophysics (AMUSE)	Portegies Zwart	500	6	online
evA	Evaluation of the Astronomy courses	Hogerheijde	-	-	online
Intro Ast	Introduction Master Astronomy (obligatory for starters)	Linnartz	-	-	hybrid: online and HL 226, HL211, HL204
CIMAS	Career Information Meeting Astronomy	Various	-	-	online
Safety Inst 1	Safety Instructions (only part 1 is obligatory)	Various	-	-	online
SCC	Scientific Communication (obligatory)	vWeeren	-	-	online
Strw. Sc. Day	Sterrewacht Science Day (obligatory)	Various	-	-	online
ADO	Advanced Optics	vExter/Orrit/Beijersbergen	500	6	online
ATP1	Advanced Topics in Theoretical Physics 1	Schalm	600	6	online
BPH	Biophysics	Schmidt/vNoort/Huber	500	6	online
CMP	Condensed Matter Physics	Allan/vd Molen	500	6	online
CXN	Complex Networks	Garlaschelli/Avena/Emmerich	400	6	online
EFT	Effective Field Theory	Boyersky	500	3	online
FMT	Frontiers of Measurement Techniques	Oosterkamp	400	3	online
OSM	Origin and Structure of the Standard Model	Boyersky	400	3	online
QIF	Quantum Information	Beenakker	400	3	on campus: DeSitter, HL111; ps: DeSitter, HL111, HL204
QTH	Quantum Theory	Beenakker	400	6	on campus: DeSitter, HL111; ps: DeSitter, HL111, HL204
SBT	Soft & Biomatter Theory	Van Saarloos	500	6	online
SIPa	Statistical Physics a	Gioni	400	6	on campus: DeSitter, HL111; ps: DeSitter, HL111, HL204
SIPb	Statistical Physics b	Gioni	400	3	on campus: DeSitter, HL111; ps: DeSitter, HL111, HL204
TGR	Theory of General Relativity	Achúcarro	400	6	online (1-9 on campus)
IntP	Introduction Master Physics (Obligatory)	Papathanassiou	-	-	online
Phys. Sc. Day	Physics Science Day	Various	-	-	online
PM-1	Physics Master Meet-up (Obligatory first year students)	Various	-	-	online
Safety/Ins 1 + 2	Safety Instructions 1 and 2 (both obligatory)	Various	-	-	online
MPH	Mesoscopic Physics (AP3261 D) - Delft	van der Zanten	-	6	online
AOI	Advanced Optical Imaging (AP3122) - Delft	Kalkman	-	6	online
IML	Introduction to Machine Learning - Computer Science	Kononova/Vermetten			See Computer Science schedule
SUS	Surface Science - Chemistry	Juurink			See Chemistry schedule
SCM	Science Methodology - Faculty of Science		400	4	See Chemistry schedule
IDL	Introduction to Deep Learning - Computer Science		500	6	See Computer Science schedule
AIDM	Advances in Data Mining - Computer Science	Kowalczyk	500	6	See Computer Science schedule

EXAMS & RETAKES SEMESTER 1

USIScode	Exam name	Type	Date	Location	Time	Sign up	Type	Date	Location	Time	Sign up
4403AT120	Advanced Topics in Theoretical Physics 1	Exam	05/10/2020		morning	14983	Retake	tdb		tdb	
4423SURFS	Surface Science - Chemistry	Exam	04/11/2020	DM109	13:30-17:15	8868	Retake	27/01/2021		09:00-11:30	9145
4403AT120	Advanced Topics in Theoretical Physics 1	Exam	09/11/2020		morning	14983	Retake	tdb		tdb	
4303GRLEN	Gravitational Lensing	Exam	16/11/2020	HL226, 106	09:00-12:30	7891	Retake	oral tdb			
4403QINF3	Quantum Information	Exam	16/11/2020	HL211, 204, 111	13:30-17:00	14603	Retake	15/12/2020	HL211, 204	13:30-17:00	14604
4403EFTH3	Effective Field Theory	Exam	17/11/2020	HL211, 204, 111	09:00-12:30	14544	Retake	13/01/2021		09:00-12:30	14545
4303SIMOA	Simulation and Modeling in Astrophysics (AMUSE)	Exam	18/11/2020		09:00-12:30	8077	Retake	17/12/2020		09:00-12:30	8078
4403STPHA	Statistical Physics a	Exam	18/11/2020	HL211,204,207	09:00-12:30	14711	Retake	12/01/2021	HL211,204	09:00-12:30	14712
4403TGR64	Theory of General Relativity	Exam	20/11/2020	HL211, 204, 111	09:00-12:30	14546	Retake	15/01/2021	HL211,204	09:00-12:30	14547
4303EXPIA	Exo-planets: Interiors and Atmospheres	Assign.	03/12/2020		09:15-13:00	8383	Retake	tdb			8384
4303HIENA	High-Energy Astrophysics	Exam	14/12/2020		13:30-17:00	14717	Retake	18/01/2021		09:00-12:30	
4343ADVDM	Advances in Data Mining - Computer Science	Exam	14/12/2020	Uni Sport Center	13:00-16:00	16966	Retake	18/01/2021		afternoon	
4403AT120	Advanced Topics in Theoretical Physics 1	Exam	14/12/2020		morning	14983	Retake	tdb		tdb	
4303OEUNI	Origin and Evolution of the Universe	Exam	16/12/2020		09:00-12:30	14542	Retake	27/01/2021		morning	14543
4403ADVOP	Advanced Optics	Exam	16/12/2020		13:30-17:00	14733	Retake	20/01/2021		13:30-17:00	15117
4403BIOPH	Biophysics	Assign.	17/12/2020		-	17069	Retake	tdb		tdb	
4303AIAT6	Astronomical Telescopes and Instruments	Exam	18/12/2020		09:00-12:30	7919	Retake	22/01/2021		09:00-12:30	7920
4403SBMT6	Soft & Biomatter Theory	Assign.	18/12/2020		-	7979	Retake	tdb		tdb	
4343INTML	Introduction to Machine Learning - Computer Science	Exam	22/12/2020		09:00-12:30	14950	Retake	26/01/2021		afternoon	14951
4403QUITH6	Quantum Theory	Exam	04/01/2021	HL211, 204, 111	13:30-17:00	14605	Retake	25/01/2021	HL211, 204	13:30-17:00	14606
4343INTDL	Introduction to Deep Learning - Computer Science	Exam	04/01/2021		morning	16980	Retake	27/01/2021		afternoon	
4609COMNW	Complex Networks	Exam	05/01/2021		09:00-12:30	14598	Retake	28/01/2021		13:30-17:00	14599
4303NRAPH	Numerical Recipes in Astrophysics	Exam	06/01/2021		13:30-17:00	7993	Retake	28/01/2021		09:00-12:30	7994
4403OSSM3	Origin and Structure of the Standard Model	Exam	06/01/2021		09:00-12:30	14739	Retake	26/01/2021		09:00-12:30	14740
4303INTST	Interstellar Medium	Exam	08/01/2021		13:30-17:00	14668	Retake	29/01/2021		13:30-17:00	14669
4403FRMT3	Frontiers of Measurement Techniques	Exam	08/01/2021		13:30-17:00	14737	Retake	29/01/2021		13:30-17:00	14738
4403COPH6	Condensed Matter Physics	Exam	11/01/2021		09:00-12:30	14736	Retake	tdb		tdb	
	Advanced Optical Imaging (AP3122) - Delft	Exam	26/01/2021		morning		Retake	tdb		tdb	
	Mesoscopic Physics (AP3261 D) - Delft	Exam	29/01/2021		afternoon		Retake	tdb		tdb	
4403STPHB	Statistical Physics b	Assign.	29/01/2021		-	8465	Retake	tdb		tdb	
4603SCMT4	Science Methodology - Faculty of Science	Exam	21/01/2021		13:00-15:30	9410	Retake	tdb		tdb	

COLLOQUIA

Abbreviation	Event name click for course description	Organiser(s)			Location
cAst	Colloquium Astronomy	Leiden Observatory			see webpage
cDIF	Colloquium De Leidsche Flesch	De Leidsche Flesch			see webpage
cEhr	Colloquium Ehrenfestii	Lorentz Institute			see webpage
cJvw	Colloquium Joan van der Waals	LION			see webpage
cTwd	Colloquium This weeks discoveries	Faculty of Science			see webpage
Msc Colloquium	Colloquium Master Astronomy	Van Daalen			online

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CONCEPT Master Schedule Astronomy & Physics Semester 2 - SPRING 2021

Astronomy	on campus	LECTURES	Exam	Retake
Physics	online	practical sessions	Colloquia	
Other programmes		to be determined	Events	

On Campus Time table:	
1+2:	09.00 - 10.45
3+4:	11.00 - 12.45
6+7:	13.30 - 15.15
8+9:	15.30 - 17.15

Online Time table:			
1:	09.15 - 10.00	5: Break:	6: 14.15 - 15.00
2:	10.15 - 11.00	13.15 - 14.00	7: 15.15 - 16.00
3:	11.15 - 12.00		8: 16.15 - 17.00
4:	12.15 - 13.00		9: 17.15 - 18.00

		MONDAY					TUESDAY					WEDNESDAY					THURSDAY					FRIDAY													
		1	2	3	4	5 (Break)	1	2	3	4	5 (Break)	1	2	3	4	5 (Break)	1	2	3	4	5 (Break)	1	2	3	4	5 (Break)	1	2	3	4	5 (Break)				
5 Feb 1	A P O	TTP	ATP2								cTwD																				5 Feb 8				
6 Feb 8	A P O	TTP	MAS ATP2								cTwD																				6 Feb 12				
7 Feb 15	A P O	sse	MAS TTP								cTwD																				7 Feb 19				
8 Feb 22	A P O	TTP	MAS ATP2								cTwD																				8 Feb 26				
9 Mar 1	A P O	sse	MAS TTP								cTwD																				9 Mar 5				
10 Mar 8	A P O	TTP	MAS ATP2								cTwD																				10 Mar 12				
11 Mar 15	A P O		ATP2								cTwD																				11 Mar 19				
12 Mar 22	A P O	sse	MAS TTP								cTwD																				12 Mar 26				
13 Mar 29	A P O	TTP	MAS ATP2								cTwD																		Good Friday		13 Apr 2				
14 Apr 5	A P O	Easter Monday																													14 Apr 9				
15 Apr 12	A P O	TTP	MAS ATP2								cTwD																				15 Apr 16				
16 Apr 19	A P O	sse	TTP								cTwD																				16 Apr 23				
17 Apr 26	A P O	TTP					King's Day																								17 Apr 30				
18 May 3	A P O		ATP2								cTwD	Liberation Day																			18 May 7				
19 May 10	A P O	LGF	TTP								cTwD												Ascension					University closed							19 May 14
20 May 17	A P O	sse	ATP2								cTwD																				20 May 21				
21 May 24	A P O	Whitsun																													21 May 28				
22 May 31	A P O		MAS QUO/ATP2								cTwD																				22 Jun 4				
23 June 7	A P O		QFT								cTwD																				23 Jun 11				
24 Jun 14	A P O										cTwD																				24 Jun 18				
25 Jun 21	A P O										cTwD																				25 Jun 25				
26 Jun 28	A P O		QUO								cTwD																				26 Jul 2				

Astronomy	on campus	LECTURES	Exam	Retake
Physics	online	practical sessions	Colloquia	
Other programmes		to be determined	Events	

[Sign up for courses: Click here for more information](#)

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1+2:	09.00 - 10.45
3+4:	11.00 - 12.45
6+7:	13.30 - 15.15
8+9:	15.30 - 17.15

Online Time table:			
1:	09.15 - 10.00	5: Break:	6: 14.15 - 15.00
2:	10.15 - 11.00	13.15 - 14.00	7: 15.15 - 16.00
3:	11.15 - 12.00		8: 16.15 - 17.00
4:	12.15 - 13.00		9: 17.15 - 18.00

Master Schedule - Astronomy & Physics



COURSES SEMESTER 2 - SPRING 2021

Abbreviation	Course name ↗ click for course description	Lecturer(s)	Level	EC	Location: click here for an overview map
DTLa	Detection of Light a	Brandl	500	3	tbd
DTLb	Detection of Light b	Brandl	500	3	tbd
GSD	Galaxies: structure, dynamics and evolution	Franx	500	6	tbd
HCI	High Contrast Imaging	Kenworthy	500	3	tbd
LGF	Large Scale Structure and Galaxy Formation	Kuijken	500	6	tbd
MAS	Modern Astrostatistics	Sellentin	500	3	tbd
OBC	Observational Cosmology	Bouwens	400	3	tbd
SPF	Star and Planet Formation	McClure	500	6	tbd
SSE	Stellar Structure and Evolution	Viti	500	6	tbd
CIMAS	Career Information Meeting Astronomy	Various	-	-	tbd
evA	Evaluation of the Astronomy courses	Hogerheijde	-	-	tbd
Intro Ast	Introduction Master Astronomy (obligatory for starters)	Linmartz	-	-	tbd
APS	Academic and Professional Skills	Elieel/Cramer	400	3	tbd
ATP2	Advanced Topics in Theoretical Physics 2	Various	600	6	tbd
COP	Computational Physics	Schaller	400	3 of 6	tbd
ME	Molecular Electronics	vd Zant/vdMolen/vRutenbeek	500	6	tbd
MMM	Mechanical Metamaterials	v Hecke	400	6	tbd
PCQ	Physics and Classical/Quantum Information	Schalm/Samleben	400	6	tbd
PPEU	Particle Physics and the Early Universe	Boyaarsky	500	3	tbd
QFT	Quantum Field Theory	Silvestri	500	6	tbd
QUO	Quantum Optics	de Dood	400	6	tbd
SCD	Superconductivity	Oosterkamp/Arcon	500	3	tbd
TCM	Theory of Condensed Matter	Zaanen	500	6	tbd
THC	Theoretical Cosmology	Silvestri	400	3	tbd
TTP	Topics in Theoretical Physics	Various	400	6	tbd
AOA	Applied Quantum Algorithms	O'Brien/Dunjko	500	6	See Computer Science schedule
ADL	Advances in Deep Learning	Kowalczyk / Bernatavicius	500	6	See Computer Science schedule
EE	Evolution and Engineering of Living Systems (AP3691D)	Beaumont	400	6	tbd
NT	Nanotechnology (AP3222)	Alkemade	400	6	tbd
OOD	The origin of Life (AP3461)	Danelon	400	6	tbd
RL	Reinforcement Learning	Plaat	500	6	See Computer Science schedule
SAP	Science and the public: contemporary and historical perspectives	Van Lunteren	400	6	tbd

EXAMS & RETAKES SEMESTER 2

USIScode	Exam name	Type	Date	Location	Time	Sign up	Type	Date	Location	Time	Sign up
4403AT220	Advanced Topics in Theoretical Physics 2	Exam	01/03/2021		morning		Retake	tbd		tbd	
4303MOASS	Modern Astrostatistics	Exam	12/04/2021		morning		Retake	31/05/2021		morning	
4403AT220	Advanced Topics in Theoretical Physics 2	Exam	12/04/2021		morning		Retake	tbd		tbd	
4403SUPCN	Superconductivity	Exam	14/04/2021		afternoon		Retake	17/06/2021		afternoon	
4403THCO3	Theoretical Cosmology	Assign.	14/04/2021		-		Retake	tbd		tbd	
4303DETLA	Detection of Light a	Exam	16/04/2021		afternoon		Retake	tbd		tbd	
4403ACPRS	Academic and Professional Skills	Assign.	06/05/2021		-		Retake	tbd		tbd	
4403CMPH3	Computational Physics (3 EC)	Assign.	07/05/2021		-		Retake	tbd		tbd	
4403CMPH6	Computational Physics (6 EC)	Assign.	07/05/2021		-		Retake	tbd		tbd	
4343APQAL	Applied Quantum Algorithms	Assign.	07/05/2021		-		Retake	tbd		tbd	
4603SPCH6	Science and the public: contemporary and historical perspectives	Assign.	09/05/2021		-		Retake	tbd		tbd	
4303SSG6	Large Scale Structure and Galaxy Formation	Exam	10/05/2021		morning		Retake	tbd		tbd	
4303HCIO3	High Contrast Imaging	Exam	17/05/2021		afternoon		Retake	21/06/2021		afternoon	
4403TTP20	Topics in Theoretical Physics	Assign.	17/05/2021		-		Retake	tbd		tbd	
4343ADL6X	Advances in Deep Learning	Assign.	19/05/2021		-		Retake	tbd		tbd	
4403PHCOI	Physics and Classical/Quantum Information	Assign.	25/05/2021		-		Retake	tbd		tbd	
4303OBCOS	Observational Cosmology	Exam	28/05/2021		morning		Retake	23/06/2021		morning	
4403QOFT6	Quantum Optics	Exam	31/05/2021		morning		Retake	28/06/2021		morning	
4403AT220	Advanced Topics in Theoretical Physics 2	Exam	31/05/2021		morning		Retake	tbd		tbd	
4303STEVO	Stellar Structure and Evolution	Exam	03/06/2021		morning		Retake	25/06/2021		morning	
4403MOMM6	Mechanical Metamaterials	Assign.	04/06/2021		-		Retake	tbd		tbd	
4343REINL	Reinforcement Learning	Exam	04/06/2021		morning		Retake	02/07/2021		morning	
4403QFT6	Quantum Field Theory	Exam	07/06/2021		morning		Retake	29/06/2021		morning	
4303GSDE5	Galaxies: structure, dynamics and evolution	Exam	08/06/2021		afternoon		Retake	30/06/2021		afternoon	
4403THBPH	Theoretical Biophysics	Assign.	08/06/2021		-		Retake	tbd		tbd	
4403PPEU3	Particle Physics and the Early Universe	Exam	09/06/2021		afternoon		Retake	02/07/2021		afternoon	
4403TCM06	Theory of Condensed Matter	Exam	11/06/2021		afternoon		Retake	01/07/2021		afternoon	
4303DETLB	Detection of Light b	Assign.	25/06/2021		-		Retake	tbd		tbd	
4403MOL6	Molecular Electronics	Exam	30/06/2021		morning		Retake	tbd		tbd	
4303STPLFT	Star and Planet Formation	Exam	tbd		-		Retake	tbd		tbd	
	Evolution and Engineering of Living Systems (AP3691D)	Exam	tbd		tbd		Retake	tbd		tbd	
4403INTEC	Nanotechnology (AP3222)	Exam	tbd		tbd		Retake	tbd		tbd	
	The origin of Life (AP3461)	Exam	tbd		tbd		Retake	tbd		tbd	

COLLOQUIA

Abbreviation	Event name ↗ click for course description	Organiser(s)			Location
cAst	Colloquium Astronomy	Leiden Observatory			see webpage
cD/F	Colloquium De Leidsche Flesch	De Leidsche Flesch			see webpage
cEhr	Colloquium Ehrenfestii	Lorentz Institute			see webpage
c/vw	Colloquium Joan van der Waals	LION			see webpage
cTwd	Colloquium This weeks discoveries	Faculty of Science			see webpage
Msc Colloquium	Colloquium Master Astronomy	Van Daalen			online

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