

Master Schedule - Astronomy & Physics

Astronomy	Exam	LECTURES
Physics	Colloquia	practical sessions
Other programmes	Events	to be determined

Semester 1 - FALL 2019

Time table:					
1: 09.15 - 10.00	5: Break: 13.15 - 14.00	6: 14.15 - 15.00			
2: 10.15 - 11.00		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)	6	7	8	9	1	2	3	4	5 (Break)	6	7	8	9	1	2	3	4	5 (Break)	6	7	8	9	1	2	3	4	5 (Break)	6	7	8	9	1	2	3	4	5 (Break)	6	7	8	9																																								
36	HCI									Opening Academic Year									AOT SCC									Intro Ast									PFS GSD OBC									36																																							
Sep 2	QIF									Int P									STPa									ADO AO* BPH									SBT									PPM-1	Sep 8																																						
37	HCI									OEU									ATI									GSD									Sterrewacht Science Day									Info Study Union	37																																						
Sep 9	QIF qif/ATP1									atp1 / AO*									STPa									EFT									AO BPH									ADO	Sep 13																																						
38	HCI									OEU ISM									ATI									GSD									PFS									OBC	38																																						
Sep 16	QIF ATP1									atp1 / AO									EFT TGR									sbtp									EFT FMT									AO/TGR BPH									ADO	Sep 20																													
39	HCI									OEU ISM									ATI									GSD									PFS									OBC/DLA	39																																						
Sep 23	QIF qif/ATP1									atp1 / AO									EFT TGR									Safety Ins CAP									cAst									GSD ism									cmp	Sep 27																													
40	HCI									OEU ISM									ATI									GSD/CAP									Relief of Leiden (Leidens Ontzet)									University closed									40																														
Sep 30	QIF ATP1									atp1 / AO									EFT TGR									CMP									sbtp									CXN/NMP									ADO	Oct 4																													
41	HCI									evA OEU ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	41																																					
Oct 7	QIF qif/ATP1									AO									EFT TGR									AIDM									STPa									GSD/cAst									FMT									AO/TGR BPH									cmp	SBT	ADO	Oct 11									
42	HCI									OEU ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	42																																					
Oct 14	QTH ATP1									atp1 / AO									EFT TGR									AIDM									STPa									GSD/cAst									FMT									AO/TGR BPH									cmp	SBT	ADO	Oct 18									
43	QTH									ism									ATI									GSD									PFS									OBC/DLA	AFS	43																																					
Oct 21	QTH qth/ATP1									atp1 / AO									EFT TGR									sbtp									STPa									cAst / GSD									ISM									cmp	SBT	ADO	Oct 25																		
44	HCI									OEU ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	44																																					
Oct 28	QTH qth/ATP1									atp1 / AO									EFT TGR									AIDM									STPa									GSD/cAst									FMT									TGR/midterm									ISM									cmp	SBT	ADO	Nov 1
45	HCI									OEU ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	45																																					
Nov 4	QTH qth/ATP1									atp1 / AO									EFT TGR									CMP/sbt									STPa									GSD/cAst									FMT									TGR BPH									cmp	SBT	ADO	Nov 8									
46	ARU									OEU ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	46																																					
Nov 11	QTH ATP1									QIF AO									TGR									ATI									OSM									CAP									GSD									FMT									AO/TGR BPH									cmp	SBT	ADO	Nov 15
47	ARU									OEU ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	47																																					
Nov 18	QTH qth/ATP1									atp1 / AO									EFT									STPa									GSD/cAst									FMT									AO BPH									cmp	SBT	ADO	Nov 22																		
48	QTH									ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	48																																					
Nov 25	QTH ATP1									atp1 / AO									OSM									STPb									GSD/cAst									FMT									AO BPH									cmp	SBT	ADO	Nov 29																		
49	QTH									ISM									ATI									GSD/cAst									PFS									OBC/DLA	AFS	49																																					
Dec 2	QTH qth/ATP1									atp1 / AO									TGR									OSM									CAP									GSD									FMT									AO ism									cmp	SBT	ADO	Dec 6									
50	QTH									ATP1									OEU AO									ATI									GSD/cAst									PFS									OBC	50																													
Dec 9	QTH ATP1									atp1 / AO									ATI									OSM									STPb									GSD/cAst									FMT									AO									SBT	ADO	Dec 13										
51	ATP1/Ret. QIF									ATI									oeu									AFS									FMT									MP									cAst									AO									OEU	ADO	51										
Dec 16	ATP1/Ret. QIF									ATI									oeu									AFS									FMT									MP									cAst									AO									OEU	ADO	Dec 20										
52	Retake AIDM									ADM									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									52																														
Dec 23	Retake AIDM									ADM									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									52																														
1	Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									1																														
Dec 30	Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									Christmas And New Year Holidays									1																														
2	qthQ									ismQ									CXN									Retake STPa									cAst									ISM									OSM									cJWW	2																				
Jan 6	qthQ									ismQ									CXN									Retake STPa									cAst									ISM									OSM									cJWW	Jan 10																				
3	QTH									MSc colloquium									MSc colloquium									PFS									cAst									CMP																		3																					
Jan 13	QTH									MSc colloquium									MSc colloquium									PFS									cAst									CMP																		Jan 17																					
4	Retake CAP									MSc colloquium									MSc colloquium									cAst									Retake TGR									GSD									MP									cJWW	4																				
Jan 20	Retake CAP									MSc colloquium									MSc colloquium									cAst									Retake TGR									GSD									MP									cJWW	Jan 24																				
5	Retake ADM									Retake OBC									Retake ADO									AO									Retake CXN									cAst									Retake ISM																		5												
Jan 27	Retake ADM									Retake OBC									Retake ADO									AO									Retake CXN									cAst									Retake ISM																		Jan 31												

*MP: 15:45-17:45; Exam 13:30-16:30
 *AO: 13:45-15:45; 15:45-17:45; Exam 09:00-12:00

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[Click here for more information about signing up for courses/exams/projects](#)

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4: 12.15 - 13.00		9: 17.15 - 18.00			

Master Schedule - Astronomy & Physics

COURSES SEMESTER 1 - FALL 2019

Abbreviation	Course name click for course description	Lecturer(s)	Level	EC	Location: click here for an overview map
AFS	Astronomy from Space	Fridlund	400	3	HL414; Exam HL207
AOT	ATI: Astronomical Observing Techniques (Obligatory for international A&I students)	Keller/Kenworthy	500	-	HL414
ARU	The Aromatic Universe	Tielens	500	3	HL414
ATI	Astronomical Telescopes and Instruments (+ AOT for Int students)	Keller/Kenworthy	500	6	HL414; ps HL411; Exam HL414
CAP	Computational Astrophysics	Portegies Zwart	500	6	HL411; Exam HL411
DLA	Deep Learning in Astronomy	Portegies Zwart/Kowalczyk	500	3	HL411
GSD	Galaxies: structure, dynamics and evolution	Franx	500	6	SN412 (05-11; HL226, 29-11; SN312); ps HL226 (01-11 SN412); Exam HL106; Retake iba
HCI	High Contrast Imaging	Kenworthy	500	3	HL414 and HL411
ISM	Interstellar Medium	van der Werf	500	6	HL414; ps HL414; Qhour: HL414; Exam HL106; Retake HL414
OBC	Observational Cosmology	Bouwens	400	3	HL414; Exam HL106; Retake HL414
OEU	Origin and Evolution of the Universe	Schaye	500	6	9-9 till 14-10; SN B03; 21-10 till 9-12;Gorf EM109; ps HL414; Exam HL 211
PFS	Project Management for Scientists	Keller	400	3	HL414; Exam HL226
eva	Evaluation of the Astronomy courses	Hogerheijde	-	-	HL414
Intro Ast	Introduction Master Astronomy (obligatory for starters)	Linnartz	-	-	HL414
CIMAS	Career Information Meeting Astronomy	Various	-	-	-
Safety Instr.	Safety Instructions (obligatory)	Various	-	-	HL211
SCC	Scientific Communication (obligatory)	vWeeren	-	-	HL414
Strw. Sc. Day	Sterrewacht Science Day (obligatory)	Various	-	-	DeSitterzaal
ADO	Advanced Optics	vExter/Orrit/Beijersbergen	500	6	HL207 (29-11;DM013); Exam HL226
ATP1	Advanced Topics in Theoretical Physics 1: Modern Methods in Theoretical Physics	Schalm	600	6	M1 Utrecht; M2: Leiden HL226 (14-10;HL207); ps HL207; Exam SN407 ; M3 A'dam
BPH	Biophysics	Schmidt/vNoort/Huber	500	6	HL207
CMP	Condensed Matter Physics	Oosterkamp	500	6	HL207 (29-11 Gorl07); ps HL207 (Wed: HL414); Exam HL204
CXN	Complex Networks	Garlaschelli/Avena/Emmerich	400	6	HL226; ps HL226; Exam HL204&HL226; Retake HL204
EFT	Effective Field Theory	Bojarsky	500	3	HL207; Exam SNB02
AO	Advanced Optical Imaging (AP3122)	Kalkman	-	6	Delft
FMT	Frontiers of Measurement Techniques	Oosterkamp	400	3	HL207; Exam HL226
MP	Mesoscopic Physics (AP3261 D)	van der Zanen	-	6	Delft; TN-CZ E (F005)
OSM	Origin and Structure of the Standard Model	Bojarsky	400	3	HL207; Exam SN407
QIF	Quantum Information	Beenakker	400	3	HL207; Exam SNB03; Retake
QTH	Quantum Theory	Beenakker	400	6	HL207; Question Hour: HL207; Exam HL414
SBT	Soft & Biomatter Theory	Van Saarloos	500	6	HL207 (29-11 SNB01); ps HL207 (21-11; HL226); Exam HL204
SPa	Statistical Physics a	Giomì	400	6	HL207; Exam HL226; Retake HL226
SPb	Statistical Physics b	Giomì	400	3	HL207; ps HL111
TGR	Theory of General Relativity	Achúcarro	400	6	Tue HL207; Thu HL106; Exam SN407&SN412&HL207; Retake HL211
IntP	Introduction Master Physics (Obligatory)	Papathanassiou	-	-	HL207
Phys. Sc. Day	Physics Science Day	Various	-	-	DeSitterzaal (morning), Van Steenis F104 (afternoon)
PMM-1	Physics Master Meet-up (Obligatory first year students)	Various	-	-	HL226
Safety Instr.	Safety Instructions (obligatory)	Various	-	-	HL226
ADM	Advanced Data Management for Data Analysis	Manegold	500	6	See Computer Science schedule
AIDM	Advances in Data Mining	Kowalczyk	500	6	See Computer Science schedule

EXAMS & RETAKES SEMESTER 1

Date	Exam name	Lecturer(s)	Level	EC	Location	Time	Type	USIScode	Sign up
08/01/2019	Statistical Physics a	Giomì	400	6	HL226	14:15-17:15	Retake	4403STPHA	3551
07/10/2019	Advanced Topics in Theoretical Physics 1: Modern Methods in Theoretical Physics	Schalm	600	6	A'dam/Utrecht	11:15-13:00	Exam	4403AT119	14039
28/10/2019	Advances in Data Mining	Kowalczyk	500	6	CompSc Schedule	14:15-17:15	Exam	4343ADVDM	10727
11/11/2019	Advanced Topics in Theoretical Physics 1: Modern Methods in Theoretical Physics	Schalm	600	6	SN407	11:15-13:00	Exam	4403AT119	14040
11/11/2019	Quantum Information	Beenakker	400	3	SNB03	14:15-17:15	Exam	4403QINF3	3613
11/11/2019	Statistical Physics b	Giomì	400	3	-	-	Assignment	4403STPHB	14081
14/11/2019	High Contrast Imaging	Kenworthy	500	3	-	-	Assignment	4303HCI03	14079
19/11/2019	Effective Field Theory	Bojarsky	500	3	SNB02	10:15-13:15	Exam	4403EFTH3	3380
20/11/2019	Statistical Physics a	Giomì	400	6	HL226	10:15-13:15	Exam	4403STPHA	3550
28/11/2019	Biophysics	Schmidt/vNoort/Huber	500	6	-	-	Assignment	4403BIOPH	14070
03/12/2019	Theory of General Relativity	Achúcarro	400	6	SN407, SN412, HL207	10:15-13:15	Exam	4403TGR64	3390
11/12/2019	Observational Cosmology	Bouwens	400	3	HL106	14:15-17:15	Exam	4303OB COS	3564
13/12/2019	Computational Astrophysics	Portegies Zwart	500	6	HL411	14:15-17:15	Exam	4303COAS6	3118
13/12/2019	Soft & Biomatter Theory	Van Saarloos	500	6	HL204	10:15-13:15	Exam	4403SBMT6	3615
16/12/2019	Advanced Topics in Theoretical Physics 1: Modern Methods in Theoretical Physics	Schalm	600	6	A'dam/Utrecht	11:15-13:00	Exam	4403AT119	14041
18/12/2019	Astronomical Telescopes and Instruments	Keller/Kenworthy	500	6	HL414	14:15-17:15	Exam	4303AIA16	3553
18/12/2019	Quantum Information	Beenakker	400	3	HL414	10:15-13:15	Retake	4403QINF3	14063
18/12/2019	Astronomy from Space	Fridlund	400	3	HL207	10:15-13:15	Exam	4303ASF3	3101
18/12/2019	Frontiers of Measurement Techniques	Oosterkamp	400	3	HL226	10:15-13:15	Exam	4403FRMT3	3594
20/12/2019	Origin and Evolution of the Universe	Schaye	500	6	HL211	10:15-13:15	Exam	4303OEUNI	3362
20/12/2019	Advanced Optics	vExter/Orrit/Beijersbergen	500	6	HL226	14:15-17:15	Exam	4403ADVOP	3569
20/12/2019	Deep Learning in Astronomy	Portegies Zwart	500	3	-	-	Assignment	4303DPLRN	13689
23/12/2019	Advances in Data Mining	Kowalczyk	500	6	CompSc Schedule	14:15-17:15	Retake	4343ADVDM	10493
24/12/2019	Advanced Data Management for Data Analysis	Manegold	500	6	CompSc Schedule	10:15-13:15	Exam	4343ADMDA	10570
07/01/2020	Complex Networks	Garlaschelli/DenHollander/Emmerich	400	6	HL204&HL226	14:15-17:15	Exam	4609COMNW	3554
09/01/2020	Interstellar Medium	van der Werf	500	6	HL106	14:15-17:15	Exam	4303INTST	3366
10/01/2020	Origin and Structure of the Standard Model	Bojarsky	400	3	SN407	14:15-17:15	Exam	4403OSSM3	3595
13/01/2020	Quantum Theory	Beenakker	400	6	HL414	10:15-13:15	Exam	4403QUTH6	3614
15/01/2020	Project Management for Scientists	Keller	400	3	HL226	10:15-13:15	Exam	4303PRMS3	13155
16/01/2020	Condensed Matter Physics	Oosterkamp	500	6	HL204	14:15-17:15	Exam	4403COPH6	3593
20/01/2020	Computational Astrophysics	Portegies Zwart	500	6	HL411	14:15-17:15	Retake	4303COAS6	18957
23/01/2020	Theory of General Relativity	Achúcarro	400	6	HL211	14:15-17:15	Retake	4403TGR64	19902
24/01/2020	Galaxies: structure, dynamics and evolution	Franx	500	6	HL106	10:15-13:15	Exam	4303GSD E5	3619
24/01/2020	Mesoscopic Physics (AP3261 D)	Vandersypen	-	6	Delft	13:30-16:30	Exam	-	-
27/01/2020	Advanced Data Management for Data Analysis	Manegold	500	6	CompSc Schedule	10:15-13:15	Retake	4343ADMDA	2863
29/01/2020	Advanced Optical Imaging (AP3122)	Kalkman	-	6	Delft	09:00-12:00	Exam	-	-
29/01/2020	Complex Networks	Garlaschelli/DenHollander/Emmerich	400	6	HL204	14:15-17:15	Retake	4609COMNW	3555
31/01/2020	Interstellar Medium	van der Werf	500	6	HL414	14:15-17:15	Retake	4303INTST	19971
06/02/2020	The Aromatic Universe	Tielens	500	3	-	-	Assignment	4303AROUN	14080

COLLOQUIA

Abbreviation	Event name click for course description	Organiser(s)	Location
cAst	Colloquium Astronomy	Leiden Observatory	see webpage
cDf	Colloquium De Leidsche Flesch	De Leidsche Flesch	see webpage
cEhr	Colloquium Ehrenfesti	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	vDaalen	HL414

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Master Schedule - Astronomy & Physics

Semester 2 - SPRING 2020

Astronomy	Exam	LECTURES
Physics	Colloquia	practical sessions
Other programmes	Events	to be determined

Time table:		
1: 09.15 - 10.00	5: Break: 13.15 - 14.00	6: 14.15 - 15.00
2: 10.15 - 11.00		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)	6	7	8	9																			
6 Feb 3	MAS			evA									Intro Ast			RA	ra				LGf	QUO	cAst			MAS					SSE					DTLa								6 Feb 7										
7 Feb 10	MAS		ATP2		LGf								DLNN			RA	ra				LGf	QUO	cAst			mas					SSE					MMM	COP			BHG								7 Feb 14						
8 Feb 17	MAS		ATP2		Relake GSD								EE/TCM	THB	ME	RA	ra				NT/APSP	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	cJW							8 Feb 21		
9 Feb 24	MAS		ATP2		ASSP/ap2/NT								EE/TCM	THB	ME	RA	ra	lgf			NT/APSP	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	aga							9 Feb 28		
10 Mar 2	MAS		ATP2		LGf								EE/TCM	THB	ME	RA	ra				NT/APSP	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	cJW							10 Mar 6		
11 Mar 9	MAS		ATP2	evA	LGf								EE/TCM	THB	ME	RA	ra				NT/APSP	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	aga							11 Mar 13		
12 Mar 16					ASSP/ap2/NT																										MMM																		12 Mar 20					
13 Mar 23	MAS		ATP2		LGf								ASP	sse		RA	ra	lgf			APS(?)NT	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	aga							13 Mar 27		
14 Mar 30	MAS		ATP2		apt2								ASP	sse		RA	ra				APS	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	cJW							14 Apr 3		
15 Apr 6	quo		ATP2		LGf								ASP	sse		RA	ra				TCM	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	aga							15 Apr 10		
16 Apr 13	Easter Monday												ASP	sse		RA	ra				TCM	ASSP	QUO	cAst		SPF	mas				SSE					MMM	COP			DTLa				BHG	cJW							16 Apr 17		
17 Apr 20	quo		MAS		ASSP/ap2/NT								ASP	sse		RA	ra				APS	ASSP	QUO	cAst		TTP	tom				SSE					MMM	COP			DTLa				BHG	aga							17 Apr 24		
18 Apr 27	King's Day												ASP	sse		RA	ra				NT/PPEU	ASSP	QUO	cAst		RA	ra				SSE					MMM	COP			DTLa				BHG	cJW							18 May 1		
19 May 4	Commemorating					Liberation Day								ME	PPEU				NT/PPEU	ASSP	QUO	cAst		RA	ra				SSE					MMM	COP			DTLb				aga								19 May 8				
20 May 11			ATP2		LGf								asp	sse		RA	ra				EE/TCM	THB	ME	PPEU		NT/PPEU	ASSP	SAP			SSE					MMM	COP			DTLb				aga								20 May 15		
21 May 18			ASC		ASC								ASP	sse		RA	ra				EE	THB	ME	PPEU		NT/PPEU	ASSP	SAP			SSE					MMM	COP			DTLb				aga								21 May 22		
22 May 25			asc		ASC								ASP	sse		RA	ra				EE	THB	ME	PPEU		NT/PPEU	ASSP	SAP			asc/cAst	QFT			SSE	ASC			DTLb												22 May 29			
23 June 1	Whitsun												ASP	sseQ		RA	ra				EE	THB	ME	PPEU		NT/PPEU	ASSP	SAP			cAst				RA				DTLb												23 Jun 5			
24 June 8			ATP2		ASSP								ASP			RA	ra				NT	ASSP	SAP								SSE					DTLb				cJW												24 Jun 12		
25 June 15					ASSP								MSc colloquium													aspQ				MSc colloquium				MSc colloquium				MSc colloquium				DTLb				MSc colloq								25 Jun 19
26 June 22				evA									MSc colloquium																	cAst								DTLb												26 Jun 26				
27 June 29													Relake DLNN																																					27 Jul 3				
27 July 6													Relake QFT																					Relake RA																28 Jul 10				

1: ASSP 13.45-15.45 / apt2 14.15-17.00 / NT 15.45-17.45 2: NT 13.45-15.45 / APS 14.15-16.00
 2: EE 13.45-15.45 / TCM 14.15-16.00 4: SMO 10.15-12.00 / QFT 11.15-13.00

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Time table:		
1: 09.15 - 10.00	5: Break: 13.15 - 14.00	6: 14.15 - 15.00
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Master Schedule - Astronomy & Physics
COURSES SEMESTER 2 - SPRING 2020



Abbreviation	Course name click for course description	Lecturer(s)	Level	EC	Location: click here for an overview map
ASC	Astrochemistry	v Dishoeck	500	3	HL414
ASP	Astronomical Spectroscopy	Bouwman	500	3	HL414; Exam HL414
DTLa	Detection of Light a	Brandl	500	3	HL414; Exam HL414
DTLb	Detection of Light b	Brandl	500	3	HL414
LGF	Large Scale Structure and Galaxy Formation	Kuijken	500	6	HL414; ps HL414; Exam HL211 & HL207
MAS	Modern Astrostatistics	Sellentin	500	3	HL226; ps HL211 & HL411; Exam HL106&HL411; Retake HL106&HL411
RA	Radio Astronomy	Brentjes/Shimwell	400	6	HL414, ps HL411; Exam HL414 and HL411
SPF	Star and Planet Formation	van Dishoeck/McClure	500	6	HL414
SSE	Stellar Structure and Evolution	Miguel	500	6	HL106; ps SN407; Exam HL211 & HL106
CIMAS	Career Information Meeting Astronomy	Various	-	-	
eVA	Evaluation of the Astronomy courses	Hogerheijde	-	-	HL414
Intro Ast	Introduction Master Astronomy (obligatory for starters)	Linnartz	-	-	HL414
APS	Academic and Professional Skills	Eliel	400	3	HL111
AQA	Applied Quantum Algorithms	O'Brien/Duniko	-	-	See Computer Science schedule
ASSP	Advanced Solid State Physics (AP3211 D)	Blanter/Caviglia	400	6	Delft
ATP2	Advanced Topics in Theoretical Physics 2: Emergent field theories	Zaenen	600	6	M1 XX M2: Leiden, 11:15 Gori DM119; 14:15 HL207; Exam HL106; M3 XX
BHG	Black Holes and Gravitational Waves	van Holten	500	3	HL207; Exam HL211
COP	Computational BioPhysics	Schiessel	400	3 of 6	HL411
EE	Evolution and Engineering of Living Systems (AP3691D)	Beaumont	400	6	Delft
ME	Molecular Electronics	vd Zant/vdMolen/vRuitenbeek	500	6	Delft
MMM	Mechanical Metamaterials	v Hecke	400	6	HL207 (27-3 SN312)
NT	Nanotechnology (AP3222)	Alkemade	400	6	Delft
PPEU	Particle Physics and the Early Universe	Boyersky	500	3	HL207; Exam HL211
QFT	Quantum Field Theory	Silvestri	500	6	Gori EM109; ps Gori EM109 (19-3, 16-4: SNB03); Exam SNB02 & SNB03
QUD	Quantum Optics	de Dood	400	6	HL111; Exam HL211
SMO	Single Molecule Optics	Orrit	500	6	SN403
TCM	Theory of Condensed Matter	Cheianov	500	6	HL207 (31-3; Gori DM013); Exam Gori 06
THB	Theoretical Biophysics	Schiessel	400	6	HL207; ps HL207
TTP	Topics in Theoretical Physics: Quantum Thermalisation	Zaenen	400	6	HL207
DLNN	Deep Learning and Neural Networks	Kowalczyk	500	6	See Computer Science schedule
RL	Reinforcement Learning	Yang	500	6	See Computer Science schedule
SAP	Science and the public: contemporary and historical perspectives	Van Lunteren	400	6	Gori DM115

EXAMS & RETAKES SEMESTER 2

Date	Exam name	Lecturer(s)	Level	EC	Location	Time	Type	USIScode	Sign up
17/02/2020	Galaxies: structure, dynamics and evolution	Franx	500	6		14:15-17:15	Retake	4303GSDE5	18816
02/03/2020	Advanced Topics in Theoretical Physics 2: Emergent field theories		600	6		11:15-13:00	Exam	4403AT219	14042
06/04/2020	Advanced Topics in Theoretical Physics 2: Emergent field theories	Zaenen	600	6		11:15-13:00	Exam	4403AT219	14043
17/04/2020	Nanotechnology (AP3222)	Alkemade	400	6		09:00-12:00	Exam	4403INTEC	
20/04/2020	Modern Astrostatistics	Sellentin	500	3		10:15-13:15	Exam	4303MOASS	14214
22/04/2020	Academic and Professional Skills	Eliel	400	3			Assignment	4403ACPRS	14122
23/04/2020	Topics in Theoretical Physics: Quantum Thermalisation	Zaenen	400	6			Assignment	4403TTP19	14132
28/04/2020	Single Molecule Optics	Orrit	500	6			Assignment	4403SIMOP	14130
01/05/2020	Detection of Light a	Brandl	500	3		14:15-17:15	Exam	4303DETLA	12439
07/05/2020	Quantum Optics	de Dood	400	6		10:15-13:15	Exam	4403QOPT6	12435
08/05/2020	Computational Physics	Schiessel	400	3			Assignment	4403CMPH3	14127
08/05/2020	Computational Physics	Schiessel	400	6			Assignment	4403CMPH6	20431
11/05/2020	Large Scale Structure and Galaxy Formation	Kuijken	500	6		14:15-17:15	Exam	4303SSG6	12427
14/05/2020	Modern Astrostatistics	Sellentin	500	3		10:15-13:15	Retake	4303MOASS	22978
15/05/2020	Mechanical Metamaterials	v Hecke	400	6			Assignment	4403MOMM6	14192
19/05/2020	Black Holes and Gravitational Waves	van Holten	500	3		10:15-13:15	Exam	4403BHGW3	12425
19/05/2020	Theoretical Biophysics	Schiessel	400	6			Assignment	4403THBPH	14131
28/05/2020	Quantum Field Theory	Silvestri	500	6		09:00-18:00	Exam	4403QFT6	12424
01/06/2020	Applied Quantum Algorithms	O'Brien/Duniko	500	6	See Computer Science schedule		Assignment	4343APQAL	2756
02/06/2020	Deep Learning and Neural Networks	Kowalczyk	500	6	See Computer Science schedule	10:15-13:15	Exam	4343DLNNT	12619
04/06/2020	Radio Astronomy	Brentjes/Shimwell	400	6		14:15-17:15	Exam	4303RADAS	12474
08/06/2020	Advanced Topics in Theoretical Physics 2: Emergent field theories	Zaenen	600	6	Adam/Utrecht	10:15-13:15	Exam	4403AT219	14083
09/06/2020	Theory of Condensed Matter	Cheianov	500	6		14:15-17:15	Exam	4403TCM06	14269
10/06/2020	Reinforcement Learning	Yang	500	6	See Computer Science schedule	10:15-13:15	Exam	4343REINL	2679
12/06/2020	Stellar Structure and Evolution	Miguel	500	6		10:15-13:15	Exam	4303STEVO	12408
22/06/2020	Particle Physics and the Early Universe	Boyersky	500	3		10:15-13:15	Exam	4403PPEU3	14260
24/06/2020	Molecular Electronics	vd Zant/vdMolen/vRuitenbeek	500	6	Delft		Exam	4403MOLE6	12436
24/06/2020	Science and the public: contemporary and historical perspectives	Van Lunteren	400	6			Assignment	4603SPCH6	14125
26/06/2020	Detection of Light b	Brandl	500	3			Assignment	4303DETLB	20412
07/07/2020	Quantum Field Theory	Silvestri	500	6		09:00-18:00	Retake	4403QFT6	23223
09/07/2020	Radio Astronomy	Brentjes/Shimwell	400	6		14:15-17:15	Retake	4303RADAS	12475
N/A	Astronomical Spectroscopy	Bouwman	500	3		14:15-17:15	Assignment	4303ASTSP	12456
N/A	Advanced Solid State Physics (AP3211 D)	Blanter/Caviglia	400	6	Delft		Assignment	440313211	14126
N/A	Astrochemistry	v Dishoeck	500	3			Assignment	4303ASCHE	15794
N/A	Star and Planet Formation	td	500	6			Assignment	4303STPLFT	14215

COLLOQUIA

Abbreviation	Event name click for course description	Organiser(s)	Location
cAst	Colloquium Astronomy	Leiden Observatory	see webpage
cDf	Colloquium De Leidsche Flesch	De Leidsche Flesch	see webpage
cEhr	Colloquium Ehrenfesti	Lorentz Institute	see webpage
cJw	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/Van Weeren	HL414 12252