

Master Schedule - Astronomy & Physics

Semester 2 - SPRING 2016



Universiteit Leiden

Astronomy
Physics
Other
Exam

		1: 09.00 - 09.45		2: 10.00 - 10.45		3: 11.15 - 12.00		4: 12.15 - 13.00		5: 13.45 - 14.30		6: 14.45 - 15.30		7: 15.45 - 16.30		8: 16.45 - 17.30											
		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY																	
		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
5	A					GF	SPF						SSE														
Feb 1	P		EFT			SMO	TCM	THB					MMM	EFT									DTLa				
	O				SCM ¹			scm ¹														OBAS		COP	tcm		
6	A				Dies	GF	SPF						SSE														
Feb 8	P		EFT/ATP2		atp2	SMO	TCM	THB					MMM	EFT		DTLa/cAst							iAC		tcm		
	O			ASP	SCM/NT			scm	ME ²		NT/ASP												OBAS		COP		
7	A					GF	SPF				CAP		SSE														
Feb 15	P		ATP2		atp2	SMO	TCM	THB					MMM	EFT		AFS	SPF	cAst					iAC		DTLa		
	O			ASP	SCM/NT			scm	ME		ASP												OBAS		COP		
8	A					GF	SPF				CAP		SSE														
Feb 22	P		ATP2		atp2	SMO	TCM	THB					MMM	EFT		AFS	SPF	cAst					iAC		DTLa		
	O			ASP	SCM/NT			scm	ME		NT/ASP												OBAS		COP		
9	A					GF	SPF				CAP		SSE														
Feb 29	P		EFT/ATP2		atp2	SMO	TCM	THB					MMM	EFT		AFS	SPF	cAst					iAC		DTLa		
	O			ASP	SCM/NT			scm	ME		NT/ASP												OBAS		COP		
10	A					GF	SPF				CAP		SSE														
Mar 7	P		EFT/ATP2		atp2	SMO	TCM	THB					MMM	EFT		AFS	SPF	cAst					iAC		DTLa		
	O			ASP	SCM/NT			scm	ME		NT/ASP												OBAS		COP		
11	A					GF	SPF				CAP		SSE														
Mar 14	P		EFT/ATP2		atp2	SMO	TCM	THB						EFT		AFS	evA	SPF	cAst				iAC		DTLa		
	O			ASP	SCM/NT			scm	ME		NT/ASP												OBAS		COP		
12	A					GF					CAP		SSE														
Mar 21	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst									
	O			ASP	SCM/NT				ME		NT/ASP				SAP										Good Friday		
13	A					GF					CAP		SSE														
Mar 28	P					SMO	TCM						MMM	QFT		AFS		cAst							DTLa		
	O														SAP								OBAS		COP		
14	A					GF					CAP		SSE														
Apr 4	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa		
	O								ASP		PPEU				SAP								OBAS		COP		
15	A					GF					CAP		SSE														
Apr 11	P		QFT			SMO	TCM						MMM	QFT		AFS		cAst							DTLa		
	O														SAP								OBAS		COP		
16	A					GF					CAP		SSE														
Apr 18	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa		
	O			ASP	NT				ME		NT/ASP				evP								OBAS		THB		
17	A					GF																					
Apr 25	P		QFT/ATP2		atp2	SMO	TCM	THB							QFT		AFS		cAst						DTLa		
	O			ASP	NT						King's Day				SAP								OBAS		DTLa+b		
18	A					GF																					
May 2	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa		
	O			ASP	NT				ME		NT/ASP												OBAS		COP		
19	A					GF					CAP		SSE														
May 9	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa		
	O			ASP	NT				ME		NT/ASP				SAP								OBAS		COP		
20	A					GF																					
May 16	P						TCM																				
	O								ME		NT/ASP				QFT		NAC event		NAC event						NAC ev		
21	A					GF																					
May 23	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa+b		
	O			ASP	NT				ME		NT/ASP				SAP								OBAS		COP		
22	A					GF																					
May 30	P		QFT/ATP2		atp2	SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa+b		
	O			ASP	NT				ME		NT/ASP				QFT		ASC	asc	cAst				OBAS		COP		
23	A					GF																					
June 6	P		QFT			SMO	TCM	THB					MMM	QFT		AFS		cAst							DTLa+b		
	O			ASP	NT				ME		NT/ASP				SAP		ASC	ASC/cAst					OBAS		COP		
24	A					GF																					
Jun 13	P																										
	O																										
25	A					GF																					
Jun 20	P																										
	O																										
26	A					GF																					
Jun 27	P																										
	O																										

evA & evP: 13.00 - 13.45 hrs

1: SCM: 15.30 - 17.15 hrs; scm 15.30 - 16.45 hrs

2: ME: 15.30 - 17.15 hrs; scm 15.30 - 16.45 hrs

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Master Schedule - Astronomy & Physics

Semester 1 - FALL 2015



Universiteit Leiden

Abbreviation	Course name: click for course description	Lecturer(s)	Level	EC	Location
AOT + O&I	Astronomical Observing Techniques (Obligatory for International A&I students)	Keller	500	-	HL414
COA	Compact Objects and Accretion	Rossi	400	3	HL414
DBDM	Data Bases and Data Mining in Astronomy	Brinchmann	500	3	HL411
eVA	Evaluation of the Astronomy courses	Linnartz	-	-	HL414, 13.00-13.45 hrs
HCI	High Contrast Imaging	Kenworthy	400	3	HL414 and HL411
IntA	Introduction Master Astronomy	van der Werf	-	-	HL411
OBC	Observational Cosmology	Bouwens	400	3	HL414, Exam HL414
OEU	Origin and Evolution of the Universe	Hoekstra	500	6	HL414; Exam HL414
O&I + AOT	Optics and Instruments (+ AOT for Int.students)	Keller/Kenworthy/Van Exter	500	6	HL414; <i>ps HL 411</i> , Exam HL414
PFS	Project Management For Scientists	Keller	400	3	HL414
Safety Instr.	Safety Instructions	Various	-	-	HL214
Strw.Sc.Day	Sterrewacht Science Day (obligatory)	Various	-	-	De Sitterzaal
ABP + ebp	Advanced Biophysics + (optional) Experimental Biophysics	Schmidt/vNoort/Heinrich/Semrau	500	6	HL106 (27-10 HL207, 3-11 HL226)
APS	Academic and Professional Skills	Oosterkamp	400	3	HL226 (09-12: HL204)
ATP1	Advanced Topics in Theoretical Physics 1	Schalm	600	6	HL106; (14-09: HL226); <i>ps HL106</i> ; Exam HL106
BHGW	Black Holes and Gravitational Waves	Achúcarro	500	3	HL207; Exam HL207
CXN	Complex Networks	Garlaschelli / Den Hollander / Plaet	400	6	HL 226; <i>ps SN302/304, SN306/308</i> ; Exam HL226, Retake HL226
evP	Evaluation of the Physics courses	Schiessell	-	-	HL106/7
IntP	Introduction Master Physics (Obligatory)	Papathanassiou	-	-	HL214
LOSE	LION Orientation and Social Events	Papathanassiou	-	-	HL204; 15.45 - 20.00 hrs
QTA	Quantum Theory a / Quantum Theory a + b	Beenakker	400	6	HL207; Exam HL214, Retake HL214
QTab	Extra for Quantum Theory a + b	Beenakker	400	6 + 3	HL207 (7-12 HL226); Exam HL214, Retake HL214
Safety Instr.	Safety Instructions	Various	-	-	HL214
SPN	Signal Processing and Noise	Van der Molen	300	6	HL106; lab=3rd floor; Exam HL 207,214
StPa	Statistical Physics a / Statistical Physics a + b	Vitelli	400	6	HL204; (30-10) Snellius B02, Exam HL 204
StPab	Extra for Statistical Physics a + b: Statistical Field Theory	Vitelli	400	6 + 3	HL204
TGR	Theory of General Relativity	Zaenen	400	6	HL106 (24-09, 06-10, 22-10 HL204); Exam: HL106/7
TTP	Topics in Theoretical Physics	Giomi	400	6	HL204
MP	Mesoscopic Physics (AP3261 D)	Vandersypen	-	6	Delft
cAst	Colloquium Astronomy	Various			see webpage
cEh	Colloquium Ehrenfestii	Various			see webpage
cJw	Colloquium Joan van der Waals	Various			see webpage

Semester 2 - SPRING 2016

Abbreviation	Course name: click for course description	Lecturer(s)	Level	EC	Location
ASC	Astrochemistry	Van Dishoeck	500	3	HL414 (2-6: HL204)
AFS	Astronomy from Space	Fridlund	400	3	HL414; Exam HL414
CAP	Computational Astrophysics	Portegies Zwart	400	6	HL411, Exam HL411
DTLa	Detection of Light a / Detection of Light a + b	Brandl	500	3	HL414; Exam HL414
DTLa+b	Extra for Detection of Light a + b	Brandl	500	3 + 3	HL414; Deadline report July 15, 2016
eVA	Evaluation of the Astronomy courses	Linnartz	-	-	HL414, 13.00-13.45 hrs
GF	Large Scale Structure and Galaxy Formation	Schaye	500	6	HL106, Exam HL106
IAC	Inter Academic College (Gravitational wave astrophysics)	Various	500	6	Online Course HL422 Live stream; 11-3, 18-3 DeSitter
SPF	Star and Planet Formation	Van Dishoeck	500	6	HL414
SSE	Stellar Structure and Evolution	Tielens	500	6	HL414, Exam HL414
ATP2	Advanced Topics in Theoretical Physics 2	Schalm	600	6	Utrecht, Institute Theoretical Physics
COP	Computational Physics	Barkema	400	6	HL207
EFT	Effective Field Theory	Achúcarro	500	3	HL207; Exam HL226/8
evP	Evaluation of the Physics courses	Schiessell	-	-	HL106/7 (21-4: HL214)
MMM	Mechanics of Meta Materials	Van Hecke	400	3	HL204
PPEU	Particle Physics and the Early Universe	Boyarsky	500	6	HL207; Exam oral
QFT	Quantum Field Theory	Schalm	500	6	HL207; Exam: take home
SMO	Single-Molecule Optics	Orrit	500	6	HL204 (9-2, 16-2 HL207; 3-05 DeSitter) Exam oral
TCM	Theory of Condensed Matter	Cheianov	500	9	HL106 (lectures) HL207 (classes); Exam HL106
THB	Theoretical Biophysics	Schiessell	400	6	HL106; (22-4:DeSitter) Exam oral;
ASP	Advanced Solid State Physics (AP3211 D)	Blanter/Caviglia	400	6	Delft
ME	Molecular Electronics	vd Zant/vdMolen/vRuitenbeek	500	6	Delft; Room 1 TNW Building; Time 8:45-10:30
NT	Nanotechnology	Alkemada	400	6	Delft
OBAS	On Being a Scientist	Van Lunteren/Haring	200	3	C 4/5 Gorlaeus
SAP	Science and the public: contemporary and historical perspectives	Van Lunteren	400	6	HL214
SCM	Science Methodology	Ubbink	500	4	see webpage
cAst	Colloquium Astronomy	Various			see webpage
cEh	Colloquium Ehrenfestii	Various			see webpage
cJw	Colloquium Joan van der Waals	Various			see webpage

Astronomy	1: 09.00 - 09.45 hrs	5: 13.45 - 14.30 hrs	lectures practical sessions
Physics	2: 10.00 - 10.45 hrs	6: 14.45 - 15.30 hrs	
Other	3: 11.15 - 12.00 hrs	7: 15.45 - 16.30 hrs	
Exam	4: 12.15 - 13.00 hrs	8: 16.45 - 17.30 hrs	

version 11-05-2016

Master Schedule - Astronomy & Physics

2015-2016

Exams & Retake Exams



Universiteit Leiden

Date	Course	Lecturer(s)	Level	EC	Location	Time	Type
05-10-15	Advanced Topics in Theoretical Physics 1	Schalm	600	6	HL106/7	11.15 - 13.00	Exam
09-11-15	Advanced Topics in Theoretical Physics 1	Schalm	600	6	HL106/7	11.15 - 13.00	Exam
17-11-15	Theory of General Relativity	Zaanen	400	6	HL106/7	10.00 - 13.00	Exam
04-12-15	Compact Objects and Accretion	Rossi	400	3	HL414	10.00 - 13.00	Exam
04-12-15	Statistical Physics a	Vitelli	400	6	SN B02	14.00 - 17.00	Exam
11-12-15	Observational Cosmology	Bouwens	400	3	HL414	10.00 - 13.00	Exam
14-12-15	Origin and Evolution of the Universe	Hoekstra	500	6	HL414	14.00 - 17.00	Exam
14-12-15	Advanced Topics in Theoretical Physics 1	Schalm	600	6	HL106/7	11.15 - 13.00	Exam
16-12-15	Complex Networks	Garlaschelli / Den Hollander / Plaat	400	6	HL226	10.00 - 13.00	Exam
18-12-15	Optics and Instruments	Keller/Kenworthy/Van Exter	500	6	HL414	14.00 - 17.00	Exam
21-12-15	Quantum Theory a / Quantum Theory a + b	Beenakker	400	6 / 9	HL214	10.00 - 13.00	Exam
21-12-15	Extra for Quantum Theory a + b	Beenakker	400	-	HL214	10.00 - 13.00	Exam
N/A	Topics in Theoretical Physics	Giomi	300	4	N/A		Assignment
07-01-16	Project Management For Scientists	Keller	400	3	HL414	10.00 - 13.00	Exam
08-01-16	Black Holes and Gravitational Waves	Achúcarro	500	3	HL207	10.00 - 13.00	Exam
18-01-16	Signal Processing and Noise	Van der Molen	300	6	HL207,214	14.00 - 17.00	Exam
20-01-16	Quantum Theory a / Quantum Theory a + b	Beenakker	400	6 / 9	HL214	12.00 - 15.00	Retake Exam
27-01-16	Complex Networks	Garlaschelli / Den Hollander / Plaat	400	6	HL226	10.00 - 13.00	Retake Exam
27-01-16	Mesoscopic Physics (AP3261 D)	Vandersypen	-	6	Delft		Exam
28-01-16	Origin and Evolution of the Universe	Hoekstra	500	6	HL414	14.00 - 17.00	Retake Exam
26-02-16	Signal Processing and Noise	Van der Molen	300	6	HL214	14.00 - 17.00	Retake Exam
07-03-16	Advanced Topics in Theoretical Physics 2	Schalm	600	6	Utrecht, Institute Theoretical Physics	tbd	Exam
17-03-16	Effective Field Theory	Achúcarro	500	3	HL226/8	10.00 - 13.00	Exam
18-03-16	On Being a Scientist	Van Lunteren/Haring	300	3	Universitair SportCentrum	9.00-12.00	Exam
06-04-16	Advanced Solid State Physics (AP3211 D)	Blanter/Caviglia	400	6	Delft	9.00-12.00	Exam
18-04-16	Advanced Topics in Theoretical Physics 2	Schalm	600	6	Utrecht, Institute Theoretical Physics	tbd	Exam
14-04-16	Astronomy from Space	Fridlund	400	3	HL414	10.00 - 13.00	Exam
22-04-16	Detection of Light a	Brandl	500	3	HL414	14.00 - 17.00	Exam
29-04-16	On Being a Scientist	Van Lunteren/Haring	300	3	HL 204 and HL207	10.00 - 13.00	Exam
11-05-16	Computational Astrophysics	Portegies Zwart	400	6	HL411	10.00 - 13.00	Exam
17-05-16	Theory of Condensed Matter	Cheianov	500	9	HL106	14.00 - 17.00	Exam
30-05-16	Advanced Topics in Theoretical Physics 2	Schalm	600	6	Utrecht, Institute Theoretical Physics	tbd	Exam
27-05-16	Stellar Structure and Evolution	Tielens	500	6	HL414	10.00 - 13.00	Exam
14-06-16	Large Scale Structure and Galaxy Formation	Schaye	500	6	HL106	10.00 - 13.00	Exam
29-06-16	Molecular Electronics	vd Zant	500	6	Delft	9.00-12.00	Exam
N/A	Particle Physics and the Early Universe	Boyersky	500	6	oral		Exam
N/A	Quantum Field Theory	Schalm	500	6	take home		Assignment
N/A	Theoretical Biophysics	Schiessel	400	6	oral		Exam
15-07-16	Detection of Light a+b	Brandl	500	3	HL414		Assignment