

Master Schedule - Astronomy & Physics



Universiteit Leiden

Semester 1 - FALL 2014

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	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																	
36	Sep 1	Opening Academic Year								SDN								CXN								IntP								ABP								IM								Inauguration study union								36																
37	Sep 8	OE IntA								QUO TGR SDN								LOSE ² CXN								ATI ati								Sterrewacht Science Day								ASP ¹								IM im								37																
38	Sep 15	OE IntA								HEA hea								LOSE ² CXN								ATI ati								HEA cAst								IM								STPa/sdn								38																
39	Sep 22	OE IntA								QUO TGR SDN								CXN								ATI ati								quo TGR								HEA cAst								IM								STPa stpa/sdn								cJwv								
40	Sep 29	ATP1								QUO TGR								LOSE ²								AS sdn								quo TGR								ABP								Leidens ontzet								40																
41	Oct 6	OE IntA								CA hea								CXN								AS ^{evA3} ATI ati								CA								HEA cAst								CAL IM								im								41								
42	Oct 13	OE IntA								CAL hea								CAL								AS ATI ati								CA								HEA cAst								CAL IM								STPa stpa								cJwv								
43	Oct 20	OE IntA								QUO TGR SDN								CXN								AS ATI ati								quo TGR/sdn								ABP								SDN								STPa								43								
44	Oct 27	ATP1								QUO TGR SDN								CXN								AS sdn								quo TGR								HEA cAst								IM								im								cJwv								
45	Nov 3	OE IntA								TGR SDN								AS ATI ati								HEA cAst								ABP								STPa								45																								
46	Nov 10	OE IntA								CA hea								CAL								AS ATI ati								CA								HEA cAst								CAL								STPa stpa								cJwv								
47	Nov 17	OE IntA								QUO TGR SDN								CXN								ATI ati								sdn quo								HEA cAst								IM								STPa								47								
48	Nov 24	OE IntA								ENT hea								SDN								CXN								ATI ati								sdn								HEA cAst								IM								im								cJwv
49	Dec 1	OE IntA								ENT hea								SDN								CXN								AS ATI ati								CPT								HEA cAst								IM								STPab								49
50	Dec 8	ATP1								ENT QUO								CXN								AS								CA								HEA cAst								CAL								IM								im								cJwv
51	Dec 15	ATP1								ENT hea								ATI								HEA cAst								ABP								STPab								51																								
52	Dec 22	QTA/QTab								Christmas Holidays								Christmas Holidays								Christmas Holidays								Christmas Holidays								Christmas Holidays								52																								
1	Dec 29	Christmas Holidays								Christmas Holidays								Christmas Holidays								Christmas Holidays								Christmas Holidays								Christmas Holidays								1																								
2	Jan 5	ENT								HEA								CA								cAst								STPa								2																																
3	Jan 12	ENT								CA								cAst								STPa								3																																								
4	Jan 19	retake OE retake Qtab								ENT								AS								cAst								STPa								4																																
5	Jan 26	ENT								SDN								CXN								cAst								retake QUO								5																																

¹ASP: 8.45-10.30 hrs (all Fridays)

²LOSE: 13.00 - 13.45 hrs

³evA: 13.00 - 13.45 hrs

⁴LOSE: xx.xx - 20.00 hrs

version 24-06-2015

Master Schedule - Astronomy & Physics



Universiteit Leiden

Semester 2 - SPRING 2015

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	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																											
6 Feb 2	A P O												GF	ASD		TCM					DTL											SPC								SSE							evA ¹	GSD	cAst								RA								A	P	O	6 Feb 6								
7 Feb 9	A P O				ATP2		Dies						GF	ASD		TCM					DTL								ME	EFT		SPC								SSE								GSD	cAst							ra	MMM	COP							A	P	O	7 Feb 13								
8 Feb 16	A P O				EFT/ATP2		atp2						GF	ASD		TCM					DTL								THB	ME	EFT	SPC								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	8 Feb 20								
9 Feb 23	A P O				EFT/ATP2		atp2						GF	ASD		TCM					DTL								THB	ME		SPC								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	9 Feb 27								
10 Mar 2	A P O				EFT/ATP2		atp2						GF	ASD		TCM					DTL								THB	ME	EFT	SPC								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	10 Mar 6								
11 Mar 9	A P O				QFT/ATP2								GF	ASD		TCM					DTL								THB	ME	EFT	SPC								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	11 Mar 13								
12 Mar 16	A P O				EFT		QFT/ATP2		atp2				GF	ASD		TCM					DTL								THB	ME	EFT	SPC								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	12 Mar 20								
13 Mar 23	A P O				QFT/ATP2		atp2						GF	ASD		TCM					DTL								THB	ME		SPC								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	13 Mar 27								
14 Mar 30	A P O				QFT/ATP2		atp2						GF	ASD		TCM					DTL								THB	ME										SSE								GSD	cAst	Good Friday								A	P	O	14 Apr 3															
15 Apr 6	A P O	Easter Monday											GF	ASD		TCM					DTL								THB	ME		PPEU								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	15 Apr 10								
16 Apr 13	A P O				QFT/ATP2		atp2						GF	evP ³	TCM	THB																PPEU								SSE								GSD	cAst							ra	MMM	COP						ra	A	P	O	16 Apr 17								
17 Apr 20	A P O				QFT/ATP2								GF	TCM	THB	ME																PPEU								SSE								GSD	cAst							ra	MMM							ra	A	P	O	17 Apr 24								
18 Apr 27	A P O	King's Day											GF	TCM	THB													ME			PPEU								SSE								GSD	cAst							ra	MMM							ra	A	P	O	18 May 1									
19 May 4	A P O				QFT								GF	Liberation Day																				ME			PPEU								SSE								GSD	cAst							ra	MMM							ra	A	P	O	19 May 8			
20 May 11	A P O				QFT/ATP2		atp2						GF	SMO	TCM	THB																PPEU	Ascension								Ascension								A	P	O	20 May 15																								
21 May 18	A P O				QFT/ATP2		atp2						GF	SMO		THB																PPEU								SSE								GSD	cAst							ra	MMM							ra	A	P	O	21 May 22								
22 May 25	A P O	Whitsun											GF															TCM	ME		PPEU								SSE								GSD	cAst								BEPR								A	P	O	22 May 29									
23 Jun 1	A P O				QFT/ATP2		atp2						GF																			PPEU								SSE								GSD	cAst							ra	BEPR							ra	A	P	O	23 Jun 5								
24 June 8	A P O				QFT/ATP2		atp2						GF																			PPEU								SSE								GSD	cAst								BEPR								A	P	O	24 Jun 12								
25 Jun 15	A P O				ATP2								GF																			SS								SSE								GSD	cAst								BEPR								A	P	O	25 Jun 19								
26 Jun 22	A P O												GF																			evA ¹	Lustrum								Lustrum								A	P	O	26 Jun 26																								
27 Jun 29	A P O												GF																			ME								SSE								GSD	cAst								BEPR	PPEU						ra	retake TCM								A	P	O	27 Jul 3

¹evA: 13.00 - 13.45 hrs
²SCM: 15.30 - 17.15 hrs

³evP: 13.00 - 13.45 hrs

Master Schedule - Astronomy & Physics



Universiteit Leiden

Legenda Semester 1 - FALL 2014

Abbreviation	Course name: click for course description	Lecturer(s)	Level	EC	Location
AS	Astronomy from Space	Fridlund	400	3	HL414, 10Dec HL214, Exam HL414
ATI	Astronomical Telescopes and Instruments	Keller/Kenworthy	500	6	HL414; ps HL 411, Exam HL414
CA / CAL	Computational Astrophysics	Portegies Zwart	400	6	HL411, Exam HL411
eVA	Evaluation of the Astronomy courses	Linnartz	-	-	HL414, 13.00-13.45 hrs
HEA	High-energy Astrophysics	Kaastra	400	3	HL414; ps HL 411; Exam HL414
IM	Interstellar Medium	van der Werff	500	6	HL414; 28-11: ps HL 214; Exam oral
IntA	Introduction Master Astronomy (obligatory)	van der Werff	-	-	HL414
OE	Origin and Evolution of the Universe	Hoekstra	500	6	HL414; Exam HL414, retake Exam HL414
Stw. Sci. Day	Sterrewacht Science Day	Various	-	-	De Sitterzaal
ABP	Advanced Biophysics	Staff BM	500	6	HL207, Exam: HL226/8
ATP1	Advanced Topics in Theoretical Physics 1	staff TP	600	6	Utrecht, Institute Theoretical Physics
CXN	Complex Networks	Garlaschelli / Den Hollander / Plaat	400	6	HL 214, ExamHL214
IntP	Introduction Master Physics (Obligatory)	Papathanassiou	-	-	De Sitterzaal
evP	Evaluation of the Physics courses	Schiessel	-	-	HL106/7
ENT	Entrepreneurship	Beijersbergen	400	3	HL204; Exam: presentation
LOSE	LION Orientation and Social Events	Papathanassiou	-	-	HL106/7: 15.45 - 20.00 hrs
QTa	Quantum Theory a / Quantum Theory a + b	Beenakker	400	6 / 9	HL204; Exam HL214; retake Exam HL204
QTa	Extra for Quantum Theory a + b	Beenakker	400	-	HL204; Exam HL214; retake Exam HL204
QUO	Quantum Optics	de Dood	400	6	HL106/7; Exam HL106/7, Retake Exam HL106/7
Safety Instr.	Safety Instructions	Various	-	-	HL214
SDN	Signal Detection & Noise	Van der Molen	300	6	De Sitter (2-9 HL226; 19-9 HL204); lab=3rd floor; Exam HL 204,214
StPa	Statistical Physics a / Statistical Physics a + b	Vitelli	400	6 / 9	HL207 (31-10: HL 106); Exam HL207
StPab	Extra for Statistical Physics a + b: Statistical Field Theory	Vitelli	400	-	HL207; Exam: HL207
TGR	Theory of General Relativity	Schalm	400	6	HL207; Exam: HL106/7
ASP	Advanced Solid State Physics (AP3211 D)	Blanter/Cavaglia	-	6	Delft
MP	Mesoscopic Physics (AP3261 D)	Vandersypen	-	6	Delft
CPT	Cosmological Perturbation Theory	Starobinsky	-	3	Utrecht 10-11, 17-11, 24-11; Leiden 13-11, 20-11, 27-11, 4-12: HL 226
cAst	Colloquium Astronomy	Various			see webpage
cEh	Colloquium Ehrenfestii	Various			see webpage
cJvw	Colloquium Joan van der Waals	Various			see webpage
DLF symp	De Leidsche Flesch symposium	Various			see webpage

Legenda Semester 2 - SPRING 2015

Abbreviation	Course name: click for course description	Lecturer(s)	Level	EC	Location
ASD	Astronomical Systems Design	Venema/Doelman	400	3	HL414; (April 17, HL422) Exam: take home
DTL	Detection of Light	Brandl	500	3	HL106/7; Exam HL414
eVA	Evaluation of the Astronomy courses	Linnartz	-	-	HL414, 13.00-13.45 hrs
GF	Large Scale Structure and Galaxy Formation	Schaye	500	6	HL414, Exam HL414
GSD	Galaxies: Structure, Dynamics and Evolution	Bouwens	400	6	HL414, Exam HL414
RA	Radio Astronomy	Garrett/v Langevelde	400	6	HL414; (17 April HL207) ps HL411
SSE	Stellar Structure and Evolution	Tielens	500	6	HL414, Exam HL414
ATP2	Advanced Topics in Theoretical Physics 2	staff TP	600	6	Utrecht, Institute Theoretical Physics
BEPR	Basics of Electron Paramagnetic Resonance	Huber	500	3	HL204, Exam HL204
COP	Computational Physics	Barkema	400	6	HL106/7 (20 Feb HL207; 17 April Sn407); Exam: two projects
EFT	Effective Field Theory	Achúcarro	500	3	HL207 (18 march HL204)
evP	Evaluation of the Physics courses	Schiessel	-	-	HL106/7
ME	Molecular Electronics	vd Molen/vd Zant/vRuitenbeek	500	6	HL204; Exam HL226/8
MMM	Mechanics of Meta Materials	Van Hecke	400	3	HL207
PPFU	Particle Physics and the Early Universe	Boyardsky	500	6	HL204; Exam HL 204
QFT	Quantum Field Theory	Schalm	500	6	HL207 (26 march HL226/8); Exam: take home
SMO	Single Molecule Optics	Orrit	500	6	HL106/7; (24 March HL214; 31 March Sn407) Exam: oral tbd
SPC	Superconductivity	Aarts/Oosterkamp	500	3	HL226; (4 feb HL207) Exam HL226
SS	Surface Science	De Groot/Juurling	500	6	Gorleus C6; June 18 De Sitterzaal; Exam Gorleus C3
TCM	Theory of Condensed Matter	Cheianov	500	9	HL204; (20 feb HL207; 1 May HL214) Exam HL 207, Retake HL207
THB	Theoretical Biophysics	Schiessel	400	6	HL204; Exam oral
SAP	Science and the public: contemporary and historical perspectives	Van Lunteren	400	6	HL414, (11 June HL214)
NT	Nanotechnology	Alkemada	400	6	Delft
SCM	Science Methodology	Ubbink	500	4	see webpage
cAst	Colloquium Astronomy	Various			see webpage
cEh	Colloquium Ehrenfestii	Various			see webpage
cJvw	Colloquium Joan van der Waals	Various			see webpage

Time table

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 24-06-2015

Master Schedule - Astronomy & Physics



Universiteit Leiden

Exams & Retake Exams

Date	Course	Lecturer(s)	Time	Location	Type
29-09-14	Advanced Topics in Theoretical Physics 1	Staff TP	11:00 - 13:00	tbd	Exam
24-10-14	Signal Detection and Noise	van der Molen	11:00 - 13:00	HL 214	Assignment
27-10-14	Advanced Topics in Theoretical Physics 1	Staff TP	11:00 - 13:00	tbd	Exam
04-11-14	Theory of General Relativity	Schalm	10:00 - 13:00	HL 106/7	Exam
07-11-14	Statistical Physics a	Vitelli	10:00 - 13:00	HL 214	Exam
27-11-14	Cosmological Perturbation Theory	Starobinsky	11:00 - 14:00	tbd	Exam
09-12-14	Quantum Optics	de Dood	14:00 - 17:00	HL 106/7	Exam
15-12-14	Advanced Topics in Theoretical Physics 1	Staff TP	11:00 - 13:00	tbd	Exam
15-12-14	Origin and Evolution of the Universe	Hoekstra	14:00 - 17:00	HL 414	Exam
18-12-14	Astronomical Telescopes and Instruments	Keller/Kenworthy	10:00 - 13:00	HL 414	Exam
18-12-14	Advanced Biophysics	Staff BM	10:00 - 13:00	HL 226/8	Exam
22-12-14	Quantum Theory a / a + b	Beenakker	10:00 - 13:00	HL 214	Exam
06-01-15	High-energy Astrophysics	Kaastra	14:00 - 17:00	HL 414	Exam
14-01-15	Computational Astrophysics	Portegies Zwart	10:00 - 13:00	HL 411	Exam
19-01-15	Origin and Evolution of the Universe	Hoekstra	10:00 - 13:00	HL 414	Retake
19-01-15	Quantum Theory a / a + b	Beenakker	10:00 - 13:00	HL 204	Retake
21-01-15	Astronomy from Space	Fridlund	10:00 - 13:00	HL 414	Exam
27-01-15	Signal Detection and Noise	Van der Molen	14:00 - 17:00	HL 204, HL 214	Exam
29-01-15	Complex Networks	Den Hollander/Garlaschelli	10:00 - 13:00	Sn: B01,B02,B03	Exam
30-01-15	Quantum Optics	de Dood	14:00 - 17:00	HL 106/7	Retake
09-03-15	Advanced Topics in Theoretical Physics 2	Staff TP	11:00 - 13:00	Utrecht	Exam
18-03-15	Effective Field Theory	Bovarsky	11:00 - 13:00	HL 204	Exam
19-03-15	Signal Detection and Noise	van der Molen	14:00 - 17:00	HL 214	Retake
26-03-15	Complex Networks	Den Hollander/Garlaschelli	14:00 - 17:30	tbd	Retake
09-04-15	Superconductivity	Aarts/Oosterkamp	14:00 - 17:00	HL 226/8	Exam
13-04-15	Detection of Light	Brandl	14:00 - 16:00	HL 414	Exam
20-04-15	Advanced Topics in Theoretical Physics 2	Staff TP	11:00 - 13:00	Utrecht	Exam
26-05-15	Theory of Condensed Matter	Cheianov	14:00 - 17:00	HL 207	Exam
27-05-15	Stellar Structure and Evolution	Tielens	14:00 - 17:00	HL 414	Exam
04-06-15	Effective Field Theory	Bovarsky	10:00 - 13:00	HL 207	Retake
04-06-15	Galaxies: Structure, Dynamics and Evolution	Bouwens	14:00 - 17:00	HL 414	Exam
15-06-15	Advanced Topics in Theoretical Physics 2	Staff TP	11:00 - 13:00	Utrecht	Exam
17-06-15	Surface Science	De Groot/Juurling	13:30 - 17:00	Gorleaus C1	Exam
23-06-15	Large Scale Structure and Galaxy Formation	Schaye	10:00 - 13:00	HL 414	Exam
24-06-15	Molecular Electronics	vd Molen/vd Zant/Ruitenbeek	10:00 - 13:00	HL 226/8	Exam
30-06-15	Basics of Electron Paramagnetic Resonance	Huber	10:00 - 13:00	HL 204	Exam
30-06-15	Particle Physics of the Early Universe	Bovarsky	14:00 - 17:00	HL 204	Exam
01-07-15	Theory of Condensed Matter	Cheianov	14:00 - 17:00	HL 207	Retake