

Master Schedule - Astronomy & Physics



Universiteit Leiden

| |
|-----------|
| Astronomy |
| Physics |
| Other |

Semester 1 - FALL 2013

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 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 2 | Opening Academic Year | | | | | | | | IntA: 15.00 | | | | | | | | GSD | | | | | | | | cAst | | | | | | | | StPa StPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 Sep 9 | ATP1 atp1 | | | | | | | | QTa qt a | | | | | | | | OE | | | | | | | | GSD | | | | | | | | Sterrewacht Science Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 Sep 16 | ATP1 atp1 | | | | | | | | QTa TGR | | | | | | | | OE | | | | | | | | GSD | | | | | | | | cAst | | | | | | | | RA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 Sep 23 | ATP1 atp1 | | | | | | | | QTa qt a | | | | | | | | Bbq ³ | | | | | | | | GSD | | | | | | | | DMA | | | | | | | | cAst | | | | | | | | DMA RA | | | | | | | | | | | | | | | | | | | | | | | |
| 40 Sep 30 | ATP1 atp1 | | | | | | | | QTa TGR | | | | | | | | DMA | | | | | | | | GSD | | | | | | | | Leidens Ontzet | | | | | | | | Leidens Ontzet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 Oct 7 | ATP1 atp1 | | | | | | | | QTa qt a | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | DMA | | | | | | | | cAst | | | | | | | | DMA | | | | | | | | | | | | | | | |
| 42 Oct 14 | ATP1 atp1 | | | | | | | | QTa TGR | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | DMA | | | | | | | | cAst | | | | | | | | DMA RA | | | | | | | | | | | | | | | |
| 43 Oct 21 | ATP1 atp1 | | | | | | | | QTa qt a | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | DMA SD | | | | | | | | cAst | | | | | | | | DMA RA | | | | | | | | | | | | | | | |
| 44 Oct 28 | ATP1 atp1 | | | | | | | | QTa TGR | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | SD | | | | | | | | cAst | | | | | | | | RA | | | | | | | | | | | | | | | |
| 45 Nov 4 | ATP1 atp1 | | | | | | | | QTa qt a | | | | | | | | TGR | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | SD | | | | | | | | cAst | | | | | | | | RA | | | | | | | |
| 46 Nov 11 | ATP1 atp1 | | | | | | | | QTab TGR | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | SD | | | | | | | | cAst | | | | | | | | RA | | | | | | | | | | | | | | | |
| 47 Nov 18 | ATP1 atp1 | | | | | | | | QTab qt ab | | | | | | | | TGR | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | SD | | | | | | | | cAst | | | | | | | | RA | | | | | | | |
| 48 Nov 25 | AB ATP1 atp1 | | | | | | | | AB QTab | | | | | | | | Clev Or | | | | | | | | DLF Symposium | | | | | | | | SD | | | | | | | | cAst | | | | | | | | RA | | | | | | | | | | | | | | | | | | | | | | | |
| 49 Dec 2 | ATP1 atp1 | | | | | | | | QTab qt ab | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | SD | | | | | | | | cAst | | | | | | | | StPab StPab | | | | | | | | | | | | | | | |
| 50 Dec 9 | ATP1 atp1 | | | | | | | | StPa | | | | | | | | CQO | | | | | | | | TTP/PSSI | | | | | | | | GSD | | | | | | | | SD | | | | | | | | cAst | | | | | | | | StPab | | | | | | | | | | | | | | | |
| 51 Dec 16 | ATP1 atp1 | | | | | | | | OE ⁴ | | | | | | | | CQO | | | | | | | | TTP | | | | | | | | SD | | | | | | | | cAst | | | | | | | | TGR | | | | | | | | | | | | | | | | | | | | | | | |
| 52 Dec 23 | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Dec 30 | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | Christmas Holidays | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Jan 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | cAst | | | | | | | | cJvw | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Jan 13 | | | | | | | | | | | | | | | | | CQO | | | | | | | | | | | | | | | | | | | | | | | | cAst | | | | | | | | QTa / QTa+b | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Jan 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | evA | | | | | | | | cAst | | | | | | | | GSD | | | | | | | | | | | | | | | | | | | | | | | |
| 5 Jan 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | cAst | | | | | | | | cJvw | | | | | | | | | | | | | | | |

¹ASP: 8.45-10.30 hrs (Friday)

³Bbq: 17.00 hrs

²cEh: 19.30 - 20.30 hrs

⁴OE: 14.00 - 17.00 hrs

Master Schedule - Astronomy & Physics

Semester 2 - SPRING 2014



Universiteit Leiden

| | | |
|-----------|---------|-------|
| Astronomy | Physics | Other |
|-----------|---------|-------|

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 | | | | | |
| 6 Feb 3 | A | MMM | ATP2 | | atp2 | | | SPF | LSS | | lss | | | SP | | | | | | | | | | | | SSE | cAst | | lss | SPF | | | | Dies | | | | | | | | A | 6 | | |
| 7 Feb 10 | A | MMM | EFT/ATP2 | | atp2 | | | SPF | LSS | | TCM | | | SP | | | | EFT | | | | | | | | SPF | SSE | cAst | | | | lss | | | | | COP | | | | cJvw | A | 7 | | |
| 8 Feb 17 | A | MMM | EFT/ATP2 | | atp2 | | | SPF | LSS | | spf | lss | | | | | | EFT | | | | | | | | SPF | | | THB | | | lss | | | | | COP | | | | cJvw | A | 8 | | |
| 9 Feb 24 | A | MMM | EFT/ATP2 | | atp2 | | | SPF | LSS | | TCM | | | SP | | | | EFT | | | | | | | | SPF | SSE | cAst | | evA | | | | | | | COP | tcm | | | cJvw | A | 9 | | |
| 10 Mar 3 | A | MMM | EFT/ATP2 | | atp2 | | | SPF | LSS | | TCM | | | SP | BH | | | EFT | | | | | | | | SPF | SSE | cAst | | | | lss | | | | | COP | | | | cJvw | A | 10 | | |
| 11 Mar 10 | A | MMM | EFT/ATP2 | | atp2 | | | SPF | LSS | | TCM | | | SP | BH | bh | | EFT | | | | | | | | SPF | SSE | cAst | | | | lss | | | | | COP | tcm | | | cJvw | A | 11 | | |
| 12 Mar 17 | A | MMM | QFT/ATP2 | | atp2 | | | SPF | LSS | | spf | lss | | SP | BH | evp ⁹ bh | | QFT | | | | | | | | THB | | | | | | | | | | | | | | | cJvw | A | 12 | | |
| 13 Mar 24 | A | MMM | QFT/ATP2 | | atp2 | | | SPF | LSS | | TCM | | | SP | BH | bh | | QFT | | | | | | | | THB | | | | | | lss | | | | | COP | tcm | | | cJvw | A | 13 | | |
| 14 Mar 31 | A | MMM | QFT/ATP2 | | atp2 | | | SPF | LSS | | TCM | | | SP | BH | bh | | QFT | | | | | | | | THB | | | | | | lss | | | | | COP | | | | cJvw | A | 14 | | |
| 15 Apr 7 | A | MMM | QFT/ATP2 | | atp2 | | | | LSS | | TCM | | | SP | PPEU | | cEh ² | QFT | Qta(b) | | | | | | THB | | | | | | lss | | | | | COP | tcm | | | cJvw | A | 15 | | | |
| 16 Apr 14 | A | MMM | QFT/ATP2 | | atp2 | | | | LSS | | TCM | | | SP | PPEU | | | QFT | | | | | | | THB | | | | | | | | | | | Good Friday | | | | | | | | A | 16 |
| 17 Apr 21 | A | Easter Monday | | | | | | | | | LSS | | TCM | | | SP | PPEU | | cEh ² | QFT | | | | | | | THB | | | | | | lss | | | | | COP | tcm | | | cJvw | A | 17 | |
| 18 Apr 28 | A | | | DTL | | | | | LSS | | TCM | | | | PPEU | | | QFT | | | | | | | THB | | | | | | lss | | | | | COP | | | | cJvw | A | 18 | | | |
| 19 May 5 | A | Liberation Day | | | | | | | | | | BH | TCM | | | | PPEU | | | QFT | | | | | | | THB | | | | | | lss | | | | | COP | tcm | | | cJvw | A | 19 | |
| 20 May 12 | A | | | DTL | dtl | | | | LSS | | TCM | | | SP | PPEU | | cEh ² | QFT | ppeu | | | | | THB | | | | | | lss | | | | | COP | | | | cJvw | A | 20 | | | | |
| 21 May 19 | A | | | DTL | | | | | LSS | | TCM | | | | PPEU | | | QFT | | | | | | THB | | | | | | lss | | | | | COP | tcm | | | cJvw | A | 21 | | | | |
| 22 May 26 | A | | | DTL | dtl | | | | LSS | | TCM | | | | PPEU | | | Ascension | | | | | | | | Ascension | | | | | | | | A | 22 | | | | | | | | | | |
| 23 Jun 2 | A | SSE | DTL | | | | | ASC | ASC | | | | asc | | | | QFT ¹ | | | | | | | asc | cAst | | | | | ASC | ASC | | | | | | | | cJvw | A | 23 | | | | |
| 24 June 9 | A | Whitsun | | | | | | | | | ASC | ASC | | | asc | | | | | | | | | | | ASC | cAst | | | | | LSS | | | | | | | | | cJvw | A | 24 | | |
| 25 Jun 16 | A | | | | | | | | | | | | | | | | | | | | | | | | | cAst | | | | | | | | | | | | | | cJvw | A | 25 | | | |
| 26 Jun 23 | A | | | DTL ³ | | | | | evA | | | | | | | | | | | | | | | | | cAst | | | | | | | | | | | | | | cJvw | A | 26 | | | |
| 27 Jun 30 | A | | | | | | | | | | | | | evA | | | | | | | | | | | | | | | | | | | | | | | | | | | A | 27 | | | |

¹QFT is a take home exam ⁴DTL: 14:00 - 17:00 hrs ⁴ME: 8:45 - 10:30 hrs version 22-5-2014
²cEh: 19:30 - 20:30 hrs ⁵evP: 13:00 - 13:45 hrs

Master Schedule - Astronomy & Physics



Legenda Semester 1 - FALL 2013

Universiteit Leiden

| Abbreviation | Course name: click for course description | Lecturer(s) | Level | EC | Location |
|-----------------|--|-----------------|-------|-------|---|
| ASP | Advanced Solid State Physics (AP3211 D) | Blanter | | 6 | Delft |
| MP | Mesoscopic Physics (AP3261 D) | Vandersypen | | 6 | Delft |
| AB | Advanced Biophysics | Staff BM | 400 | 6 | HL226/8; 25-11: HL214; 28-11: HL207 |
| ATP1 | Advanced Topics in Theoretical Physics 1 | staff TP | 600 | 6 | Amsterdam |
| CQO | Classical and Quantum Optics | Van Exter | 400 | 6 | HL207 (18/9: HL214); Exam HL 226/8 |
| IntP | Introduction Master Physics | Jochensen | | | HL 214 |
| PSSI | Physics of Scientific Space Instruments | Beijersbergen | 400 | 4 | Snellius: 402 |
| QTa | Quantum Theory a / Quantum Theory a + b | Denteneer | 400 | 6 / 9 | HL 204; Retake Exam HL 226 |
| QTab | Extra for Quantum Theory a + b: Quantum Many-Particle Theory | Denteneer | 400 | | HL 204; Exam HL 214; Retake Exam HL 226 |
| Safety Instr. | Safety Instructions | Various | | | HL214. 9.00-12.00 hrs |
| StPa | Statistical Physics a / Statistical Physics a + b | Vitelli | 400 | 6 / 9 | HL 204, exam HL204, 22-11: HL207 |
| StPab | Extra for Statistical Physics a + b: Statistical Field Theory | Vitelli | 400 | | HL 204 |
| TGR | Theory of General Relativity | Achúcarro | 400 | 6 | HL 207; Exam HL 214 |
| TTP | Topics in Theoretical Physics: "Origins of the Standard Model" | Boyarsky | 400 | 6 | Snellius: B02 |
| DMA | Distance measurement in astronomy | De Grijs | 400 | 3 | HL 414 |
| eVA | Evaluation of the Astronomy courses | Linnartz | | | HL 414 |
| GSD | Galaxies: Structure, Dynamics and Evolution | Bouwens | 400 | 6 | HL 414; 2-10: HL226/228, exam HL414 |
| IntA | Introduction Master Astronomy | Schaye | | | HL 414 |
| OE | Origin and Evolution of the Universe | Kuijken | 500 | 6 | HL 414 |
| RA | Radio Astronomy | Garrett | 400 | 3 | HL 414; 18-11: HL106 |
| St. Science Day | Sterrewacht Science Day | Various | | | De Sitter |
| SD | Stellar Dynamics | Portegies Zwart | 400 | 3 | HL 414 |
| Clev | Cleveringa oratie | | | | Academic Building, 16.00 - 17.00 hrs |
| cAst | Colloquium Astronomy | Various | | | DeSitter, 16.00 - 17.00 hrs |
| cEh | Colloquium Ehrenfestii | Various | | | DeSitter, 19.30 - 20.30 hrs |
| cJvw | Colloquium Joan van der Waals | Various | | | DeSitter, 16.00 - 17.00 hrs |
| Bbq | Master Bbq by De Leidsche Flesch | | | | Snellius, 17.00 hrs |

Legenda Semester 2 - SPRING 2014

| Abbreviation | Course name: click for course description | Lecturer(s) | Level | EC | Location |
|--------------|---|--------------|-------|----|---|
| AHP | Science and the public: a historical perspective | Van Lunteren | 400 | 6 | Leiden, Faculty course: HL 414 |
| ME | Molecular Electronics | van der Zant | | 6 | Delft. F104, TNW building |
| NT | Nanotechnology | Alkemade | 400 | 6 | Delft |
| SCM | Science and Methodology | Ubbink | 500 | 4 | Leiden, LST-MST. |
| ATP2 | Advanced Topics in Theoretical Physics 2 | staff TP | 600 | 6 | HL 207 ; Exams (HL 214, HL 226/8) |
| BH | Black Holes and Gravitational Waves | Van Holten | 400 | 3 | HL 204 |
| COP | Computational Physics | Barkema | 400 | 6 | HL 411 |
| EFT | Effective Field Theory | Achúcarro | 500 | 3 | HL 204; Exam HL 226/8 |
| evP | Evaluation of the Physics courses | van Exter | | | HL 106/7, 13:00 - 13.45 hrs |
| MMM | Mechanics of Meta Materials | Van Hecke | 400 | 3 | HL 207 |
| PPEU | Particle Physics and the Early Universe | Boyarsky | 500 | 6 | HL 204, 4-6 en 11-6: HL207 |
| QFT | Quantum Field Theory | Achúcarro | 500 | 6 | HL 204, 2-6: HL214 |
| SP | Surface Physics | Frenken | 500 | 6 | HL 207 |
| THB | Theoretical Biophysics | Schiessel | 400 | 6 | HL 207 |
| TCM | Theory of Condensed Matter | Zaanen | 500 | 9 | HL 204, 14-3: HL 106 |
| ASC | Astrochemistry | Van Dishoeck | 500 | 3 | HL 414 |
| DTL | Detection of Light | Kenworthy | 500 | 6 | HL 414 |
| eVA | Evaluation of the Astronomy courses | Linnartz | | | HL 414 |
| LSS | Large Scale Structure and Galaxy Formation | Brinchmann | 500 | 6 | HL 414, 16-5 & 22-5: HL 204; Exam HL 414 |
| SPF | Star and Planet Formation | Van Dishoeck | 500 | 6 | HL 414 |
| SSE | Stellar Structure and Evolution | Tielens | 500 | 6 | HL 204,13-2: HL 207, 19-2. HL 414. Exam HL 226/8 |
| cAst | Colloquium Astronomy | Various | | | DeSitter, 16.00 - 17.00 hrs |
| cEh | Colloquium Ehrenfestii | Various | | | DeSitter, 19.30 - 20.30 hrs |
| cJvw | Colloquium Joan van der Waals | Various | | | DeSitter, 16.00 - 17.00 hrs |

Time table

| | | |
|------------------|----------------------|----------------------|
| Astronomy | 1: 09.00 - 09.45 hrs | 5: 13.45 - 14.30 hrs |
| 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 22-5-2014