

## ASC GRADUATE COURSE PROGRAM SS10

### Courses:

- at the [LMU Physics Department](#):

- Mesoscopic Physics, 4+2 SWS; Tue 14.15 - 16, Fr 12.15 - 14, seminar room A449; tutorials Tue 16 - 18, seminar room A449; lecturer: von Delft
- Many Body Theory, 4 + 2 SWS; Tue 8.15 - 10, Fri 8.15 - 10, seminar room A449; tutorials Tue 12.15 - 14, seminar room A449; lecturer: Kehrein
- QCD and Standard Model, 4 + 2 SWS; Mon 14-16, Thu 14-16, seminar room A349; tutorials Mon 18-20, seminar room A349, Thu 16-18, seminar room A450; lecturer: Hofmann
- Supersymmetry, 4 + 2 SWS; Tue 10-12, Fri 10-12, seminar room A249; lecturer: Sachs
- Cosmology, 4 + 2 SWS; Fri 13-16, seminar room A349; tutorials Mon 16-18, Wed 16-18, seminar room A349; lecturer: Dvali
- String Theory II, 4 + 2 SWS; Mon 8-10, seminar room A349, Wed 8-10, seminar room A249; lecturer: Brunner
- Lie Groups and Representations, 4 + 2 SWS; Wed 8-10, Thu, 8-10, seminar room A449; lecturer: Groot Nibbelink
- Nonlinear Dynamics and Pattern Formation, 4 + 2 SWS; Mon 10 - 12, Wed 14 - 16, seminar room A349; tutorials Thu 14-16, Fri 14-16, seminar room A449; lecturer: Frey
- Computational Physics, 4 + 2 SWS; Wed 14-16, seminar room A449, Thu 14-16, seminar room A249; tutorials Fri 10.15-11.45, seminar room A449 lecturer: Ruhl
- Advanced problems in quantum statistical physics, 4 + 2 SWS; Tue 10-12, seminar room A349, Thu 16-18, seminar room A249; tutorials Wed 14-16, seminar room A249 lecturer: Orso, Heidrich-Meisner
- Theory of brain function, 4 + 2 SWS; Tue 14-16, Oettingenstr. 67 - U139, Thu 14-16, Schellingstr. 4 - H 537; tutorials Thu 16-18, Schellingstr. 4 - H 537; lecturer: Tavan

- at the [LMU Math Department](#):

- Topologie und Differentialrechnung mehrerer Variablen, 4 + 2 SWS; Tue 10-12, Thu 10-12, seminar room B138; lecturer: Donder
- Einführung in die Partiellen Differentialgleichungen, 4 + 2 SWS; Tue 14-16, Thu 14-16, seminar room B041; lecturer: Wugalter
- Geometrie und Topologie von Flächen, 4 + 2 SWS; Mon 10-12, Wed 10-12, seminar room B051; tutorials Fri 12-14, seminar room B138; lecturer: Cieliebak
- Algebraische Geometrie I, 4 + 2 SWS; Tue 14-16, seminar room C112, Thu 10-12, seminar room B132; tutorials Tue 16-18, seminar room A027; lecturer: Rosenschon
- Riemannsche Geometrie, 4 + 2 SWS; Tue 10-12, Thu 10-12, seminar room C112; tutorials Thu 14-16, seminar room C112; lecturer: Leeb
- Algebraische Kurven II, 2 SWS; Tue 14-16, seminar room B132; lecturer: Zöschinger
- Complex Geometry, 4 + 2 SWS; Mon 10-12, Wed 10-12, seminar room A027; tutorials Wed 16-18, seminar room B132; lecturer: Kotschik

- Mathematische Quantenmechanik II, 4 + 2 SWS; Tue 8-10, Thu 8-10, seminar room A027; tutorials Wed 16 - 18, seminar room C112; lecturer: Siedentop
- Partielle Differentialgleichungen II, 4 + 2 SWS; Tue 10-12, Thu 10-12, seminar room B251; lecturer: Müller
- Quantum Field Theory on Curved Spaces, 4 + 2 SWS; Tue 12-14, Wed 12-14, seminar room B251; tutorials Wed 14-16, seminar room B039; lecturer: Schottenloher
- Mathematische statistische Physik, 4+2 SWS; Mon 16-18, seminar room B132, Tue 10-12, seminar room B047; tutorials Thu 16-18, seminar room C112; lecturer: Christandl, Dürr
- Geometrische Analysis, 2+2 SWS; Mon 16-18, seminar room B251; tutorials Tue 14-16, seminar room B039; lecturer: Witt

## Seminars:

- [at the LMU Physics Department:](#)

- Sommerfeld Theory Colloquium, 1 SWS; Wed 10:30 - 11.30, seminar room A348/349; ASC
- Theoretische Festkörperphysik, 2 SWS; Fr 10 - 12, seminar room A349; von Delft, Kehrein, Schollwöck
- Theoretische Teilchenphysik, 1 SWS; Wed or Thu, seminar room A318; Germani, Iglesias
- Cosmology journal club, 1 SWS; Tue 16-17, seminar room A318; Moeller
- Lunch Seminar String Theory, 2 SWS; Wed 12:00 - 13:30, seminar room A450 (LMU) / lecture hall (MPI Physik); Lüst
- Fields and Strings, 1 SWS; Thu 16:00 - 17, seminar room A348/349; Lüst, Mayr, Sachs
- Statistische und Biologische Physik, 2 SWS; Wed 16 - 18, seminar room A449; Frey, Gerland
- Evolutionary Dynamics of Biological Systems, 2 SWS; Tue 14 - 16, seminar room A349; Frey
- Molecular Information Processing in Biological Systems, 2 SWS; Thu 14 - 16, seminar room A450; Gerland
- Aktuelle Probleme der Theoretischen Biophysik, 2 SWS; Fri 10 - 12, Oettingenstr. 67, (Z) - L 046; Tavan
- Lunch Seminar on Soft Matter and Biophysics, 1 SWS; Tue 12 - 13, N110, seminar room N110 (Schellingstr.); Franosch, Heinrich
- Special Problems in Computational Plasma Physics; Ruhl

- [at the LMU Math Department:](#)

- Oberseminar: Die geometrische Phase in der QED, 2 SWS; Wed 14 - 16, seminar room B251; Dürr, Merkl, Schottenloher
- Oberseminar Hopfalgebren und Quantengruppen, 2 SWS; Fri 14 - 16, seminar room B252; Schneider
- Oberseminar Mathematische Physik, 2 SWS; Tue 14 - 16, seminar room B045; Siedentop
- Oberseminar Motive und Algebraische Geometrie, 2 SWS; Thu 14 - 16, seminar room B252; Rosenschon
- Oberseminar Geometrie, 2 SWS; Tue 16 - 18, seminar room B252; Cieliebak, Kotschick
- Oberseminar Geometrie - Topologie, 2 SWS; Thu 16 - 18, seminar room B252; Leeb
- Oberseminar Wahrscheinlichkeitstheorie, 3 SWS; Mon 16 - 19, seminar room B139; Georgii, Merkl, Rolles, Winkler
- Oberseminar angewandte Mathematik, Numerik und Mathematische Physik, 2 SWS; Fri 12 - 14, seminar room 251; Erdős
- Oberseminar Analysis, 2 SWS; Fri 14 - 16, seminar room B251; Müller, Siedentop, Wugalter
- Oberseminar Analysis und Zufall, 2 SWS; Tue 17 - 19, seminar room B005; Müller, Warzel