

## ASC GRADUATE COURSE PROGRAM WS09/10

### Courses:

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

- Particle Physics at the Beginning of LHC, 4+2 SWS; Tue 8 - 10, Fr 8 - 10, seminar room A449; tutorials Fr 10 - 12, seminar room A449; lecturers: Lüst, Dvali
- Quantum Electrodynamics, 4 + 2 SWS; Tue 14 - 16, Thu 14 - 16, seminar room A349; tutorials We 16 - 18, seminar room A349; lecturer: Buchalla
- Introduction to Gauge/Gravity Duality, 4 + 2 SWS; Mo 12-14, Fr 12-14, seminar room A450; tutorials Thu 12-14, seminar room A450; lecturer: Erdmenger
- Introduction to Modern Solid State Theory, 4 + 2 SWS; Tue 8-10, Fr 8-10, seminar room A450; tutorials Fr 10-12, seminar room A450; lecturer: Yevtushenko
- Quantum Information Processing, 4 + 2 SWS; Mo 8:30-10, Wed 8:30-10, seminar room A449; tutorials Tue 12-14, seminar room A449; lecturer: Christandl
- General Relativity, 4 + 2 SWS; Mo 14-16, Wed 14-16, seminar room A349; tutorials Tue 16-18, seminar room A349; lecturer: Hofmann
- Quantum Field Theory in Curved Spaces, 4 + 2 SWS; Fr 14-18, seminar room A349; tutorials Wed 12-14, seminar room A349; lecturer: Mukhanov
- Stringtheorie I, 4 + 2 SWS; Mo 8 - 10, Wed 8 - 10, seminar room A349; tutorials Tu 12 - 14, seminar room A349; lecturer: Haack
- Stochastic Processes in Physics and Biology, 4 + 2 SWS; Mo 14-16, Wed 14-16, seminar room A449; tutorials Tue 16-18, seminar room A449; lecturer: Gerland
- Conformal Field Theory, 4 + 2 SWS; Mo 10-12, Thu 10-12, seminar room A449; tutorials Tue 10-12, seminar room A449; lecturer: Römelsberger
- Computational Physics, 4 + 2 SWS; Mo 8-10, Fr 8-10, seminar room A249; tutorials Wed 8-10, seminar room A249; lecturer: Ruhl

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

- Mathematische Quantenmechanik, 4 + 2 SWS; Tue 12-14, Thu 12-14, seminar room B132; tutorials Wed 8 - 10, seminar room B132; lecturer: Siedentop
- Partielle Differentialgleichungen, 4 + 2 SWS; Tue 10-12, Thu 10-12, seminar room B004; tutorials Thu 16-18, seminar room B004; lecturer: Müller
- Differenzierbare Mannigfaltigkeiten, 4 + 2 SWS; Mo 10-12, Wed 10-12, seminar room B004; tutorials Wed 12-14, seminar room B004; lecturer: Kotschik
- Stochastische Prozesse, 4 + 2 SWS; Wed 10-12, Fr 10-12, seminar room B006; tutorials Thu 14-16, seminar room B006; lecturer: Merkl
- Topologie III, 4 + 2 SWS; Tue 10-12, Thu 10-12, seminar room A027; tutorials Thu 14-16, seminar room A027; lecturer: Leeb
- Symplektische Geometrie II, 4 + 2 SWS; Tue 14-16, Thu 14-16, seminar room B046; tutorials Wed 16-18, seminar room B134; lecturer: Witt
- Geometric Quantization, 2 + 1 SWS; Wed 10-12, seminar room B251; tutorials Wed 12-13, seminar room B251; lecturer: Schottenloher
- Algebraische Kurven, 2 SWS; Tue 14-16, seminar room B132; lecturer: Zöschinger
- Scattering Theory, 2 SWS; Thu 16-18, seminar room K427 (Schellingstr. 12); lecturer: Wugalter

## Seminars:

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

- Theoretische Teilchenphysik, 3 SWS; Wed 14 - 17, seminar room A318; Buchalla
- Theoretische Festkörperphysik, 2 SWS; Fr 10 - 12, seminar room A349; von Delft, Kehrein, Schollwöck
- Konforme Feldtheorie, 2 SWS; Mo 14-16, seminar room A249; Brunner, von Delft, Römelsberger
- Lunch Seminar on Biological Physics, 1 SWS; Thu 12 - 13, N110, Geschwister-Scholl-Platz 1 (!); Franosch, Heinrich
- Mechanismen der Strukturbildung in biologischen Systemen, 2 SWS; Tue 14 - 16, seminar room A449; Frey, Gerland
- Nichtgleichgewichtsphysik, 2 SWS; Fr 14-16, seminar room A318; Kehrein
- Theoretische Nanophysik, 1 SWS, every 2nd week; Wed 10-12, seminar room A349; von Delft, Kehrein
- Lunch Seminar String Theory, 2 SWS; Wed 12:00 - 13:30, seminar room A450 (LMU) / seminar room 313 (MPI Physik); Lüst
- Fields ans Strings, 1 SWS; Thu 16:00 - 17, seminar room A348/349; Lüst, Mayr, Sachs
- Sommerfeld Theory Colloquium, 1 SWS; Wed 10:30 - 11.30, seminar room A348/349; ASC

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

- 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: Die geometrische Phase in der QED, 2 SWS; Wed 14 - 16, seminar room B134; Dürr, Merkl, Schottenloher
- Oberseminar Hopfalgebren und Quantengruppen, 2 SWS; Thu 10 - 12, seminar room B251; Schneider
- Oberseminar Mathematische Physik, 2 SWS; Tue 14 - 16, seminar room B133; Siedentop
- Oberseminar Quantenrechnen und Quantenkryptographie, 2 SWS; Tue 12 - 14, seminar room 251; Christandl, Schottenloher
- Oberseminar Motive und Algebraische Geometrie, 2 SWS; Thu 16 - 18, seminar room B041; Morel
- Oberseminar Wahrscheinlichkeitstheorie, 2 SWS; Mo 17 - 19, seminar room B251; Georgii, Merkl, Rolles, Wachtel, Winkler
- Oberseminar Analysis, 2 SWS; Fr 14 - 16, seminar room B251; Müller, Siedentop, Wugalter