Module  |  **Plasma Physics Laboratory Course**
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**Code**  |  74086
**Instruction language**  |  English
**ECTS credits**  |  2
**Credit hours**  |  One-week practical training in the recess period at the MPI Garching
**Duration**  |  1 semester
**Cycle**  |  Each winter semester
**Coordinator**  |  Dean of Physics Studies
**Lecturer**  |  Dr. Thomas Eich, Dr. Emanuele Poli
**Allocation to study programs**  |  Physics M.Sc., elective module, 1st or 2nd semester  
Wirtschaftsphysik M.Sc., elective module, 1st - 3rd semester
**Formal prerequisites**  |  None
**Recommended prerequisites**  |  Module *Plasma Physics: Fundamentals*
**Learning objectives**  |  Students who successfully passed this module  
  • are able to carry out experimental research in plasma physics
**Syllabus**  |  • Plasma technology  
  • Plasma crystal  
  • Plasma interferometry  
  • Plasma spectroscopy
**Literature**  |  Will be announced by the lecturer
**Teaching and learning methods**  |  Lecture (3 hours per week)  
One-week practical training in the recess period at the MPI Garching.
**Workload**  |  30 hours laboratory course (attendance time)  
30 hours self-study and exam preparation  
Total: 60 hours
**Assessment**  |  Written or oral examination. A prerequisite for the participation in the examination is an ungraded course achievement. Form and scope of the examination and of the course achievement are determined and notified by the lecturer at the beginning of the course.
**Examination**  |  **Grading procedure**  |  The module grade is the examination grade.
**Basis for**  |  Research in the field of Plasma Physics