

Module: Elective Advanced Lectures: Experimental Physics

Module No.: physics70a

Course: Advanced Topics in Condensed Matter Physics (E)

Course No.: physics745

Category	Type	Language	Teaching hours	CP	Semester
Elective	Lecture with exercises	English	2+1	4	WT/ST

Requirements for Participation:

Preparation:

Fundamentals of Quantum Mechanics, Solid State Physics. Participation in physics613 is recommended.

Form of Testing and Examination:

Requirements for the submodule examination (written or oral examination): successful work within the exercises

Length of Course:

1 semester

Aims of the Course:

The aim of the course is to give the students a deeper insight to novel developments in the field of experimental condensed matter physics. Building on prior knowledge from the Bachelor courses, experimental techniques will be explained, new research results will be presented and their relevance is discussed.

Contents of the Course:

Will be given in the bulletin of lectures. The main theme will vary from term to term, the topics will supplement the content of the specialization lectures physics613 and physics617.

Recommended Literature:

Will be given in the lecture