Module	*Advanced Seminar Physics (M.Sc.)*
Code	71054
Instruction language	German or English
ECTS credits	4
Credit hours	2
Duration	1 semester
Cycle	Each semester
Coordinator	Dean of Physics Studies
Lecturer	All the lecturers and professors in the physics department
Allocation to study programs	Physics M.Sc., compulsory module, 1st or 2nd semester Wirtschaftsphysik M.Sc., compulsory module, 1st – 3rd semester
Formal prerequisites	None
Recommended prerequisites	Depends on the theme of each seminar.
Learning objectives	Students who successfully passed this module • are able to read and understand a selected topic in physics from various sources, i.e. scientific books, databases and journals (information competence) • have the ability to elaborate and present a scientific topic in a talk within a given time • learn to defend their point of view in a scientific discussion
Syllabus	Elaboration (content structure) and presentation of a scientific talk. In each semester will be given the possibility to choose between many advanced seminars on specialized topics in theoretical and experimental physics.
Literature	Depends on the theme of each seminar
Teaching and learning methods	Seminar (2 hours per week) or as indicated by the instructor.
Workload	30 hours exercise (attendance time) 90 hours Talk preparation Total: 120 hours
Assessment	The talk elaboration and presentation as well as the relative scientific discussion will be evaluated.
Examination	• 11911 Advanced seminar in Theoretical Physics • 12358 Advanced seminar in Biophysics and Soft Matter (M.Sc.) • 12389 Advanced seminar in Experimental Physics (M. Sc.) • 12359 Advanced seminar in Condensed Matter and Nanosciences (M.Sc.) • 11751 Advanced seminar in Econophysics (M.Sc.) • 11750 Advanced seminar in Plasma Physics (M.Sc.) • 12362 Advanced seminar in Quantum Information (M.Sc.)

	• 12360 Advanced seminar in Quantum Technologies (M.Sc.)
Grading procedure	The note is the result of the evaluation of the talk and discussion.
Basis for	