

Level: master				
Course title: Radiation Detectors				
Status: elective				
ECTS: 9				
Requirements: Nuclear Physics				
Learning objectives To introduce students to a broad spectrum of different radiation detection techniques, detectors and detection equipment.				
Learning outcomes Students should be qualified for working with various types of detectors.				
Syllabus General features of detectors. Gas ionization detectors. Photographic emulsion, cloud chambers, bubble chambers. Scintillation detectors. Photomultipliers. Semiconductor detectors. Cherenkov detectors. Calorimeters. Neutron detectors.				
Weekly teaching load				Other:
Lectures: 3	Exercises: 1	Other forms of teaching: 1	Student research:	