

Relativity and Cosmology II (T) - GR II

<i>Course</i>	Relativity and Cosmology II (T)
<i>Course No.</i>	GR II

Category	Type	Language	Teaching hours	CP	Semester
Elective	Lecture with exercises	English	4+2	8	ST

Requirements for Participation:

Preparation: Training in theoretical physics at the B.Sc. level

Form of Testing and Examination: Written or oral examination

Length of Course: 1 semester

Aims of the Course: Application of Einstein's theory of general relativity to black holes and cosmology

Contents of the Course:

Black holes

Introduction to cosmology

The early Universe

Recommended Literature:

V. Mukhanov, Physical Foundations of Cosmology

T. Padmanabhan, Gravitation: Foundation and Frontiers

J. B. Hartle, Gravity: An introduction to Einstein's general relativity

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