COURSE DETAIL

GENERAL RELATIVITY
Country Iceland
Host Institution University of Iceland
Program(s) University of Iceland
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 115
UCEAP Course Suffix
UCEAP Official Title GENERAL RELATIVITY
UCEAP Transcript Title GENERAL RELATIVITY
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

This course provides an introduction to Einstein's relativity theory: Special relativity, four-vectors and tensors. General relativity, spacetime curvature, the equivalence principle, Einstein's equations, experimental tests within the solar system, gravitational waves, black holes, and cosmology.

Language(s) of Instruction
English

Host Institution Course Number
EÐL610M

Host Institution Course Title
GENERAL RELATIVITY

Host Institution Course Details
https://ugla.hi.is/kennsluskra/index.php?tab=nam&chapter=namskeid&id=09215120230

Host Institution Campus

Host Institution Faculty
Engineering and Natural Sciences

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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