MODULE HANDBOOK

Module Name	:	General Theory of Relativity
Module Level	:	Bachelor
Abbreviation, if applicable	:	FI3111
Sub-heading, if applicable	:	
Semester/ term	:	5
Module Coordinator(s)	:	
Lecturer(s)	:	
Language	:	Bahasa
Classification within the curriculum	:	Elective studies
Teaching format/ class hours per week during the semester	:	2 hours per week
Workload	:	2 hours lectures with 4 hours individual studies and structured activities,
Credits Points	:	2
Requirements	:	(1) FI2211 Special Relativity Theory (2) FI2204 Modern Physics
Learning goals	:	Knowledge: (1) Demonstrate knowledge of general relativity theory and its implication. Skill: (1) Demonstrate ability to use mathematical technics related to special and general relativity theory, especially tensor and geometry differential. Competencies: (1) Make simple research in High Energy Physics topic.
Content	:	The course will provide students with basic knowledge about special and general theory of relativity and their consequences and implications in cosmology. In general, this course emphasizes both the physical and conceptutal aspects, and the mathematical aspects. This course the the continuation of Introduction to Einstein Theory of Relatvity.