COURSE DETAIL

ESCAPE FROM SCIENTIFIC ABSURDITY
Country Korea, South
Host Institution Korea University
Program(s) Korea University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 33
UCEAP Course Suffix
UCEAP Official Title ESCAPE FROM SCIENTIFIC ABSURDITY
UCEAP Transcript Title SCIENTIFIC ABSURDTY
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course explores how physicists developed quantitative reasoning to deepen the understanding of natural phenomena and to escape from scientific absurdity. It focuses on Newtonian Mechanics in three dimensional Euclidean space. The course also covers quantitative approaches begining with elementary algebraic methods to reach differential Calculus invented by physicists, Newton, and Leibniz independently. Finally, the course investigates the Lagrangian and Hamiltonian versions of classical mechanics that are equivalent to the Newtonian version.

Language(s) of Instruction
English

Host Institution Course Number
GEST152

Host Institution Course Title
ESCAPE FROM SCIENTIFIC ABSURDITY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
General Education

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