



TH01018: PHYSICS



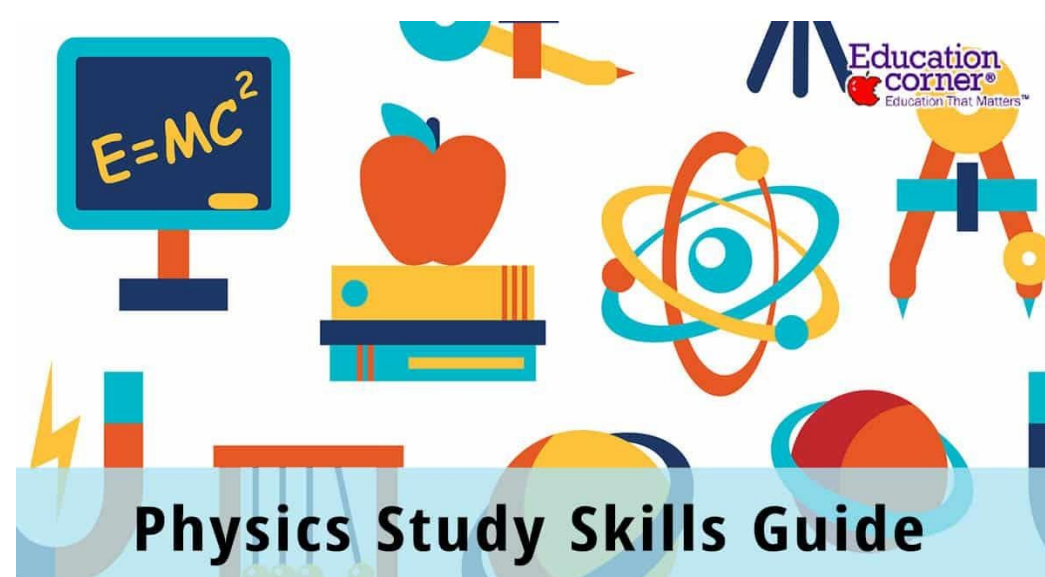
Credits: Theory 2 - Practice 0

EXPECTED LEARNING OUTCOMES

Notations	Expected learning outcomes of the course By completing this course, students can:	ELO of Program
Knowledge		
K1	Analyze the laws that govern the mechanical, thermal, electromagnetic motions of matter.	ELO1 ELO3
K2	Explain phenomena of interference, diffraction and polarization of light.	ELO1 ELO3
K3	Explain atomic the structure of an atom and a nucleus, the phenomenon and the law of nuclear radioactive decay and its applications.	ELO1 ELO3
Skill		
K4	Apply theory to solve a problem	ELO12
Autonomy and responsibility		
K5	Presents self-consciousness to study and research	-

COURSE'S CONTENTS

- Chapter 1: System of units of measure and conversion of units
- Chapter 2: Mechanics
- Chapter 3: Thermal Physics
- Chapter 4: Electric and Magnetic Fields
- Chapter 5: Wave optics
- Chapter 6: Atomic and Nuclear Physics



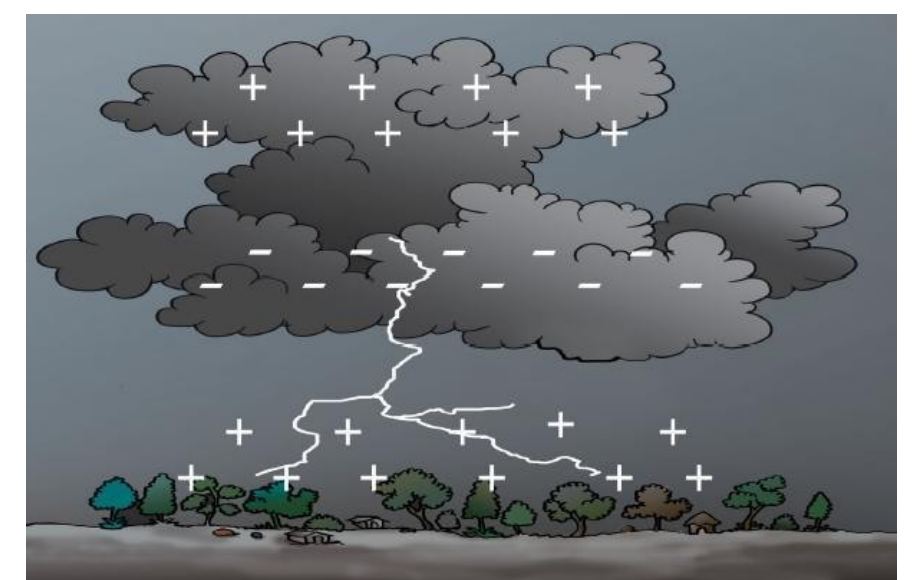
STUDENT'S TASK

- Attend at least 80% of class lessons
- Prepare for lectures, read reference books, do homework before class
- Attend exams: midterm and final exam
- Be quiet and do not disturb the class. Actively participate in discussions, ask questions or give opinions during class. Take the midterm exam and the exam seriously.



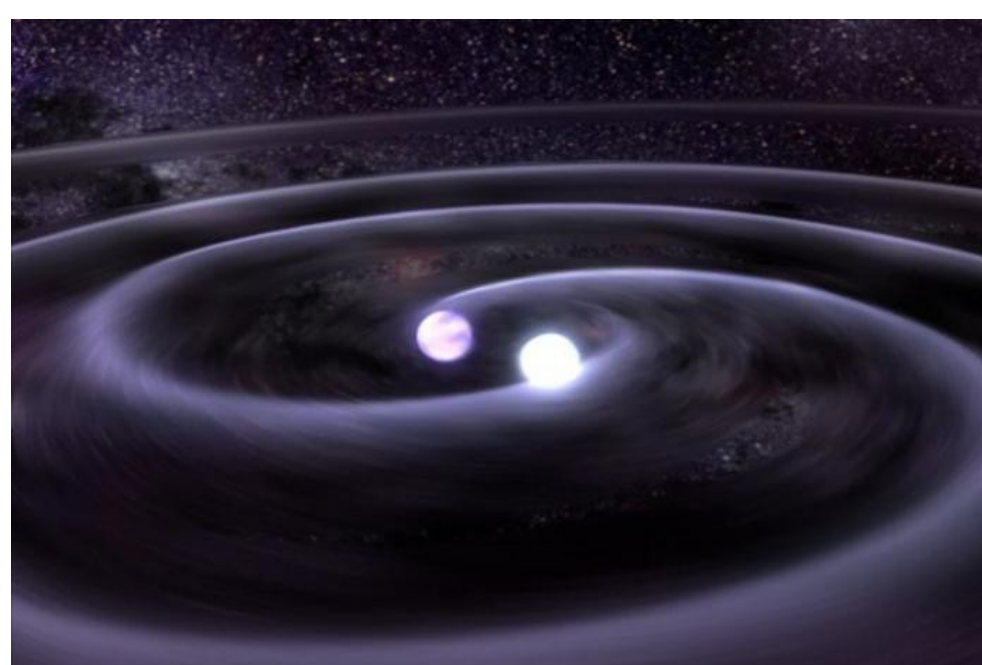
GRADING POLICY

- Score: 10 points scale
- The course average score is the sum of the rubric scores multiplied by the respective weight of each rubric
- Evaluation of progress: 40%: Attend class - 5%, Exercises - 5%, Mid-term examination - 30%.
- End-of-term evaluation 60%: Essay



LEARNING METHODS

- Review lectures and applied examples, refer to other documents, do homework.
- Discuss and give opinions in class, ask a question whenever the lecture is not clear to understand or any questions about any issues related to the content knowledge of the module.



LECTURERS IN CHARGED

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