

Liverpool John Moores University

Title: Physics 2
Status: Definitive
Code: **3513IFESG** (124185)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Study Group

Team	Leader
Jack Mullett	Y

Academic Level: FHEQ3
Credit Value: 10
Total Delivered Hours: 34.5
Total Learning Hours: 100
Private Study: 65.5

Delivery Options

Course typically offered: Semester 2 and Summer

Component	Contact Hours
Lecture	17
Seminar	7
Tutorial	3
Workshop	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	ASS1	1.5hr exam consisting of both simple descriptive questions and problems. Some of these will combine different topics.	100	1.5

Aims

To provide students with the necessary knowledge and understanding of the principles of Heat, Ideal Gases, Electricity and Fields for progression onto undergraduate engineering courses.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate an understanding of the theoretical concepts of heat, ideal gases, electricity and fields.
- 2 Apply their knowledge to solve problems.
- 3 Link concepts to approach problems drawing on a number of physical ideas.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Examination	1	2	3
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Outline Syllabus

- *Heat*
- *Ideal gases*
- *Electricity and Electronics and Fields and their effects*

Learning Activities

Lectures and workshops will comprise didactic teaching alongside continuous formative assessments such as in class tests and problem solving scenarios. Homework will support these activities and should guide the student towards the development of self-study and independent thought.

Notes

None