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# COURSE MODULE INFORMATION

## PH101: Physics

### Semester 1 and Semester 2 | Credits: 15

This module lays a broad foundation in physics, both for students who will continue to study physics in subsequent years of their degree programme and for those who will continue to study other subjects. No prior knowledge of physics is assumed, though a significant minority of students (perhaps 33%) will have a Leaving Certificate qualification in physics. The level of mathematics required is simple algebra and trigonometry. (Language of instruction: English)

### Learning Outcomes

1. Understand and explain basic physical principles related to topics such as motion, forces, energy, heat, waves, electricity, light, atoms and radiation.
2. Identify basic physical principles governing the behaviour of simple systems.
3. Describe physical processes using simple equations and solve numerical problems.
4. Make measurements in the physics laboratory.
5. Record and analyze experimental data and draw conclusions based on these data.

### Assessments

i This module's usual assessment procedures, outlined below, may be affected by COVID-19 countermeasures. Current students should check Blackboard for up-to-date

assessment information.

- Written Assessment (60%)
- Continuous Assessment (10%)
- Oral, Audio Visual or Practical Assessment (15%)
- Department-based Assessment (15%)

## Module Director

- RAY BUTLER: [Research Profile](#) | [Email](#)

## Lecturers / Tutors

- MIRIAM BYRNE: [Research Profile](#)
- PETER DOCKERY: [Research Profile](#)
- GARY GILLANDERS: [Research Profile](#)
- MARK LANG: [Research Profile](#)
- BRIAN WARD: [Research Profile](#)
- PADRAIC MORAN: [Research Profile](#)
- REBECCA NOLAN: [Research Profile](#)
- Jessamyn Fairfield: [Research Profile](#)
- MAIRÉAD UÍ FhÁTHARTA: [Research Profile](#)

The above information outlines module PH101: "Physics" and is valid from 2020 onwards.

Note: Module offerings and details may be subject to change.

## ABOUT NUI GALWAY

Founded in 1845, we've been inspiring students for 175 years. NUI Galway has earned international recognition as a research-led university with a

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