# COURSE DETAIL

| ELECTROMAGNETISM AND MODERN PHYSICS |
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| **Country**<br>Australia |
| **Host Institution**<br>University of Queensland |
| **Program(s)**<br>University of Queensland |
| **UCEAP Course Level**<br>Lower Division |
| **UCEAP Subject Area(s)**<br>Physics |
| **UCEAP Course Number**<br>12 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>ELECTROMAGNETISM AND MODERN PHYSICS |
| **UCEAP Transcript Title**<br>ELECTROMAGNETISM |
| **UCEAP Quarter Units**<br>6.00 |
| **UCEAP Semester Units**<br>4.00 |

**Course Description**
This course provides an introduction to 20th and 21st century physics, and its place as the basis of much of modern technology. The content includes electromagnetism from which photonic and RF/microwave communications were developed; relativity required for GPS navigation; and quantum physics critical for lasers and semiconductors, and hence computers and many other technologies.

**Language(s) of Instruction**
English

**Host Institution Course Number**
PHYS1002

**Host Institution Course Title**
ELECTROMAGNETISM AND MODERN PHYSICS

**Host Institution Course Details**

**Host Institution Campus**
Queensland

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Mathematics and Physics

**Course Last Reviewed**

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