



HSC Physics Exam Preparation Course

Training for Outreach and Access, University of Sydney

This course provides consolidation of the key content from HSC Modules 5 to 8. There is a focus on those cognitive skills needed to access and apply physics knowledge in the HSC exam and the higher order thinking needed to push student achievement into Band 6. The workshops are activity based whereby students explore and apply chemical knowledge and skills using a combination of lectures, tutorials and problem-solving sessions with immediate feedback from teachers. In short, this course is designed to review key concepts and skills with a view to maximising results in the HSC Exam.

This is an end of year exam preparation course preceded by a four-part series covering key areas from within this subject's syllabus.

Outcomes

By the end of this course, you should be able to:

- answer a range of questions covering the content, concepts and skills in the module
- critically evaluate your own and others' answers to improve the quality of responses to assessment tasks
- identify the relationships between key concepts in the module
- apply strategies for problem solving to improve the quality and accuracy of responses to assessment tasks
- critically analyse experimental methods and comment meaningfully on validity, reliability and accuracy
- analyse, process and apply quantitative chemical data to solve problems.

Content

Content and past examination questions from the four HSC Modules:

- Module 5: Advanced Mechanics
- Module 6: Electromagnetism
- Module 7: The Nature of Light
- Module 8: From the Universe to the Atom

Intended audience

Year 11 and Year 12 students wishing to undertake additional study for the HSC Physics Syllabus (2017).

Delivery mode

Online via the platform Zoom

Delivery style

Delivered as a one-day activity-based workshop where you will explore and apply physics knowledge and skills in a combination of lectures, tutorials and problem-solving sessions while receiving immediate feedback.



Materials

Course notes covering key dot points for each module, including examples, practical methods and exam advice and tips are distributed electronically.

Course evaluation

Via an email on-line student questionnaire.