



Source Outline

Term 1 2020

ENGG9741

Introduction to Nuclear Engineering

1. Staff contact details

Contact details and consultation times for course convenor

Name: Dr. Patrick Burr

Office location: Room 402A, Ainsworth building (J17)

Tel (02) 9385 0918

Email: p.burr@unsw.edu.au

You are encouraged to ask questions on the course material after the lecture class times in the first instance, rather than via email. All email enquiries should be made from your student email address with ENGG9741 in the subject line, otherwise they may not be answered promptly.

Contact details and consultation times for additional lecturers/demonstrators/lab staff

Please see the course [Moodle](#).

2. Important links

- [Moodle](#)
- [Lab Access](#)
- [Health and Safety](#)
- [Computing Facilities](#)

assignments, further reading, and revising for any examinations.

Contact hours

	Day	Time	Location
Lectures	Tuesday	5pm - 7pm	Ainsworth G02
Lectures, discussion, quizzes	Friday	5pm - 7pm	Ainsworth G01 (Week 11 Ainsworth 102)
Video recording	Any	Any	Moodle

This course will be delivered through face-to-face lectures and discussion sessions. Please refer to your class timetable for the learning activities you are enrolled in and attend only those classes.

Summary and Aims of the course

The course aims to give students a firm grounding in subjects from radioactivity and nuclear fission to nuclear reactors, fuel production and processing through to nuclear materials, nuclear safety, socio-economic factors and future developments in nuclear engineering.

It is aimed at giving students the basic background knowledge, understanding and vocabulary that differentiates nuclear engineering from other engineering disciplines. In doing so, this course also provides the foundations for later courses on the Nuclear

Learning Outcome

**EA Stage 1
Competencies**

6.

Examinations

You must be available for all quizzes, tests and examinations.

The exam in this course is a standard closed-book 2 hour written examination. The examination tests analytical and critical thinking and general understanding of the course material in a controlled fashion. Questions may be drawn from any aspect of the course, unless specifically indicated otherwise by the lecturer. Marks will be assigned according to the correctness of the responses.

Final examinations for each course are held during the University examination periods: February for Summer Term, May for T1, August for T2, and November/December for T3.

Please visit myUNSW for Provisional Examination timetable publish dates.

For further information on exams, please see the [Exams](#) webpage.

Calculators

You will need to provide your own calculator of a make and model approved by UNSW for the examinations. The list of approved calculators is available at student.unsw.edu.au/exam-approved-calculators-and-computers

It is your responsibility to ensure that your calculator is of an approved make and model, and [Engineering Student Supper Services Centre](#)

into the examination room.

Special consideration and supplementary assessment

If you have experienced an illness or misadventure beyond your control that will interfere with your assessment performance, you are eligible to apply for Special Consideration prior to submitting an assessment or sitting an exam.

Please note that UNSW now has a [Fit to Sit / Submit rule](#), which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit enough to do so and cannot later apply for Special Consideration.

For details of applying for Special Consideration and conditions for the award of supplementary assessment, please see the [Special Consideration page](#).

7. Expected ~~resources for students~~

Video recording of lectures from the previous year are available on the course Moodle page.

integrity. Plagiarism undermines academic integrity and is not tolerated at UNSW. *Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own.*

Plagiarism is a type of intellectual theft. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. UNSW has produced a website with a wealth of resources to support students to understand and avoid plagiarism, visit: student.unsw.edu.au/plagiarism. The Learning Centre assists students with understanding academic integrity and how not to plagiarise. They also hold workshops and can help students one-on-one.

You are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and the proper referencing of sources in preparing all assessment tasks.

If plagiarism is found in your work when you are in first year, your lecturer will offer you

