

School of Mechanical and Manufacturing Engineering

Term 2, 2019  
Course Outline

**ENGG9744**

Indicative content schedule

WEEK	Material delivered	Relevant Assignment & hand in date(s)
Week 1 3rd June	Radiation Safety	Emergency scenario (15%) 7th - 17th June
Week 2	Incident management & Communication	
Week 3	Nuclear safety fundamentals	Safety Case (30%) 12th - 24th July
Week 4	The safety case	
Week 5	Safety Assessment	
Week 6	Safety Analysis	
Week 7	Safety Case Presentations	
Week 8	Nuclear Security	

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consideration must be lodged online through myUNSW within 3 working days of the assessment, not to course or school staff. For more detail, consult <https://my.unsw.edu.au/student/atoz/SpecialConsideration.html>.

#### Continual Course Improvement

This course is under constant revision in order to improve the learning outcomes for all students. Please forward any feedback (positive or negative) on the course to the course convener or via the Course and Teaching Evaluation and Improvement Process. You can also provide feedback to ELSOC who will raise your concerns at student focus group meetings. As a result of previous feedback obtained for this course and in our efforts to provide a rich and meaningful learning experience, we have continued to evaluate and modify our delivery and assessment methods.

In response to comments about integration of the very diverse course material the coursework assignments have been redesigned for the 2018 course. The construction of a safety case and presentation to a class has always been a fundamental component of learning and assessment in this course. With the digital uplift of the course to an online platform, the safety case presentations have been redesigned to a multimedia presentation exercise. The learning outcomes have been refined and restructured to conform to the more stringent requirements of online course development and the UNSW 3+ academic calendar. The syllabus and the learning outcomes have been aligned with the IAEA International Nuclear Management Academy competency areas for masters' courses in Management of Nuclear Technology. Increasing emphasis has been moved to the interactive assignment exercises, over the previously greater emphasis on a much longer, 3 hour exam.

#### Administrative Matters

On issues and procedures regarding such matters as special needs, equity and diversity, occupational health and safety, enrolment, rights, and general expectations of students, please refer to the School and UNSW policies: <http://www.engineering.unsw.edu.au/electrical-engineering/policies-and-procedures>  
<https://my.unsw.edu.au/student/atoz/ABC.html>

## Appendix A: Targeted Graduate Capabilities





