## 1. Staff

Position	Name	Email	Consultation times and locations	Contact Details
Course Convenor / Lecturer	A/Prof John Daniels	j.daniels@unsw.edu.au	School of Materials Science and Engineering (Building E10), by appointment	Phone: 9385 5607
Lecturer	Dr Bernd Gludovatz	b.gludovatz@unsw.edu.au	Ainsworth Building (Building J17), by appointment	Phone: 9385 4006
Laboratory Administrator	Dr Caitlin Healy	caitlin.healy@unsw.edu.au	School of Materials Science and Engineering (Building E10), by appointment	Phone: 9385 6038
Group Project	Dr Ben Pace	b.pace@unsw.edu.au	School of Materials Science and Engineering (Building E10), by appointment	Phone: 9385 4837

# 2. Course information

Units of credit: 6

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### 2.2 Course aims

To provide an understanding of fundamental structure-processing-property relationships of materials. Use this knowledge to conduct materials selection tasks.

### 2.3 Course learning outcomes (CLO)

At the successful completion of this course you (the student) should be able to:

- 1. Describe the relationships between material structures and processing to the final properties
- 2. Select appropriate materials for engineering design applications
- 3. Apply materials testing methods to investigate and quantify material properties

### 2.4 Relationship betw

#### 3.2 Expectations of students

Students should read through lecture notes and lab sheets/tutorials prior to class

During class, students are expected to engage actively in class discussions

- Students should work through lecture, tutorial and textbook questions and work through the online tutorials
- To ensure you achieve the maximum grade possible students should complete all assessment tasks and submit them on time.

Students are expected to participate in online discussions through the Moodle page

## 4. Course schedule and structure

This course consists of 41 hours of class contact hours. You are expected to take an additional 109 hours of non-class contact hours to complete assessments, readings and exam preparation.

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### 5. Assessment

#### 5.1 Assessment tasks

Assessment task	Description	Weight	Due date		
Online tutorials:	5 Online quizzes.	Total: 10%, 2% each quiz	See Moodle for details		
Laboratory reports:	There will be 5 laboratories throughout the course on:				
	Tensile testing				

Microstructures of Materials Fracture Batteries 5.2

detected in your work.

Further information about academic integrity and **plagiarism** can be located at:

The Current Students site https://student.unsw.edu.au/plagiarism, and

The ELISE training site http://subjectguides.library.unsw.edu.au/elise/presenting

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