Course Outline

MECH9325

FUNDAMENTALS OF ACOUSTICS AND NOISE

Contents

1. Staff contact d

Contact details and consultation times for course convenor

Name: Dr Kana Kanapathipillai
Office location: Room 408J, Ainsworth Building J17, Level 4
Tel: (02) 9385 4251
Email: s.kanapathipillai@unsw.edu.au
Moodle: https://moodle.telt.unsw.edu.au/login/index.php
Consultation time: Thursday 4-5pm (face-to-face)

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

Mr Gyani Shankar Sharma
Email: gyanishankar.sharma@unsw.edu.au

Contact hours

	Day	Time	Location
Lectures	Tuesday	12noon - 2pm	Ainsworth G03
(Web stream)	Any	Any	Moodle

After successfully completing this course, you should be able to:

4. Teaching strategies

Lectures in the course are designed to cover the core concepts and background theory in acoustics and noise. The assessment is divided into a range of activities to reinforce the lecture material. Topics covered by this course are separated into ten units. A range of texts in acoustics were used to develop the lecture material.

6. Assessment

Assessment overview

Assessment	Group Project? (# Students per group)	Length	Weight	Learning outcomes assessed	Assessment criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
Group assignment and Labs (2)	Yes (10)/No	1500 words approximately	30% (3x10%)	1, 2,3	Unit 1 ï 3 for assignment, Unit 1 - 4 for Lab 1; Unit 1, 2, 6, & 7 for Lab 2	Midnight, Friday 28th June for Assignment , 19th July for Lab 1 and 2nd August via Moodle	Midnight, Friday 5th July for Assignment,	

Examinations

The final examination for this course will be a 2-hour open book exam that is worth 30% of

Norton, M.P. and Karczub, D. Fundamentals of noise and vibration analysis for engineers, 2nd Edition, Cambridge University Press, Cambridge, 2003.

Bies, D. A. and Hansen C.H. Engineering Noise Control: Theory and Practice, 3rd Edition, E&FN Spon, 2003.

UNSW Library website: https://www.library.unsw.edu.au/
Moodle: https://moodle.telt.unsw.edu.au/login/index.php
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8. Course evaluation and development

Feedback on the course is gathered periodically using various means, including the UNSW myExperience process, informal discussion in the final class for the course, and the School's Student/Staff meetings. Your feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

In this course, recent improvements resulting from student feedback include providing more practical examples and demonstration of complex concepts.

9. Academic honesty and plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW students have a responsibility to adhere to this principle of academic integrity. Plagiarism undermines academic integrity and is not tolerated at0 1 n3on such feedback.

Repeated plagiarism (even in first year), plagiarism after first year, or serious instances, may also be investigated under the Student Misconduct Procedures. The penalties under the procedures can include a reduction in marks, failing a course or for the most serious matters (like plagiarism in an honours thesis) even suspension from the university. The Student Misconduct Procedures are available here: www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf

10. Administrative matters

All students are expected to read and be familiar with UNSW guidelines and polices. In particular, students should be familiar with the following:

- Attendance
- UNSW Email Address
- Computing Facilities
- Special Consideration
- Exams
- Approved Calculators
- Academic Honesty and Plagiarism
- Student Equity and Disabilities Unit
- Health and Safety
- Lab Access