UNSW Course Outline

ZEIT4751 Ship Design 2 - 2024

Published on the 03 Jul 2024

General Course Information

Course Code : ZEIT4751
Year : 2024
Term : Semester 2
Teaching Period : Z2
Is a multi-term course? : No
Faculty : UNSW Canberra
Academic Unit : School of Engineering and Technology
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : UNSW Canberra at ADFA
Campus : UNSW Canberra
Study Level : Undergraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

In response to a nominated design brief, all final ship design tasks are individually completed in Ship Design 2: Principal particulars; hull lines; general arrangement; estimate of weights and centres; stability; resistance; machinery; performance prediction and structural design, culminating in the production of a consolidated final design report, presentation and defence.

Course Aims

The course is core to the standard BE (Hons) (Naval Architecture) program and its CDF variant (Year 4).

The course provides a blend of essential specialised engineering knowledge, skills and application in the key areas of:
Ship Design. It incorporates a capstone design process.

Relationship to Other Courses

This course builds on ZEIT4750 and ZEIT4752 (pre-requisites) and assumes in-depth understanding and ongoing application of the preceding courses ZEIT3750, ZEIT3751, ZEIT3752 and ZEIT3753.

Course Learning Outcomes

Course Learning Outcomes	Engineers Australia - Professional Engineer (Stage 1)
CLO1 : Explain and defend the chosen set of principal particulars that meet the requirements of the provided design brief.	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
CLO2 : Practice and develop the skills required to electronically generate a ship’s hullform, and translate it into a final lines plan and final general arrangement electronic drawing set.	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline

	• PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
CLO3 : Perform a final weight estimate including identification of margins and allowances for the vessel and produce an editable electronic record of masses and centres for final stability assessment.	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline

	• PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
CLO4 : Calculate, check and confirm the resistance of the vessel, derive and specify the final power required to achieve the required speed, make final engine(s) and gearbox selections and specify the final propulsion type.	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving

	• PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
CLO5 : Be capable of completing all required design work to the chosen structural rule, finalise the calculation of the scantlings of the principal structure using electronic rule sets and prepare final electronic structural general arrangement drawings.	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written

	communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct

Course Learning Outcomes	Assessment Item
CLO1 : Explain and defend the chosen set of principal particulars that meet the requirements of the provided design brief.	• Margins and allowances • Survivability and vulnerability • Final drawing set and completed documentation/specification • Final Viva
CLO2 : Practice and develop the skills required to electronically generate a ship's hullform, and translate it into a final lines plan and final general arrangement electronic drawing set.	• Margins and allowances • Final drawing set and completed documentation/specification • Final Viva
CLO3 : Perform a final weight estimate including identification of margins and allowances for the vessel and produce an editable electronic record of masses and centres for final stability assessment.	• Survivability and vulnerability • Margins and allowances • Final drawing set and completed documentation/specification • Final Viva
CLO4 : Calculate, check and confirm the resistance of the vessel, derive and specify the final power required to achieve the required speed, make final engine(s) and gearbox selections and specify the final propulsion type.	• Final drawing set and completed documentation/specification • Final Viva
CLO5 : Be capable of completing all required design work to the chosen structural rule, finalise the calculation of the scantlings of the principal structure using electronic rule sets and prepare final electronic structural general arrangement drawings.	• Survivability and vulnerability • Final drawing set and completed documentation/specification • Final Viva

Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams

Learning and Teaching in this course

The teaching strategies employed in this core course in the discipline of naval architecture have at

their heart, a close two-way exchange between the course convenor/lecturers and the small student cohort in group and individual learning contexts. The high instructor-to-student ratio allows plentiful feedback and support, designed to foster the earliest possible development of solid technical skills and appreciation of the critical nature of highly professional practice in naval architecture. Training in the use of industry leading software supports the learning outcomes in a practical manner. Professional communication skills are developed in an individual class presentation.

The Learning Management System

Moodle is the Learning Management System used at UNSW Canberra. All courses have a Moodle site which will become available to students at least one week before the start of semester. Please find all help and documentation (including Blackboard Collaborate) at the Moodle Support page.

UNSW Moodle supports the following web browsers:

» Google Chrome 50+
» Safari 10+
** Internet Explorer is not recommended

** Addons and Toolbars can affect any browser's performance.

Operating systems recommended are:

Windows 7, 10, Mac OSX Sierra, iPad IOS10

For further details about system requirements click here.

Log in to Moodle here.

If you need further assistance with Moodle:

For enrolment and login issues please contact:
IT Service Centre
Email: itservicecentre@unsw.edu.au
Phone: (02) 9385-1333
International: +61 2 9385 1333

For all other Moodle issues please contact:

External TELT Support
Email: externalteltsupport@unsw.edu.au
Phone: (02) 9385-3331
International: +61 2 938 53331

Opening hours:
Monday – Friday 7:30am – 9:30 pm
Saturday & Sunday 8:30 am – 4:30pm

Additional Course Information

Installation of, and proficiency in the use of AutoCad https://www.myit.unsw.edu.au/software-students and Maxsurf suite https://education.bentley.com/ on students' own PC-compatible devices is essential. An external wheel mouse is essential for CAD work. A larger external monitor is recommended for professional-standard drafting.

Academic Integrity and Plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to this principle of academic integrity. All students are expected to adhere to UNSW's Student Code of Conduct https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf

Plagiarism undermines academic integrity and is not tolerated at UNSW. *It is defined as using the words or ideas of others and passing them off as your own, and* can take many forms, from deliberate cheating to accidental copying from a source without acknowledgement.

For more information, please refer to the following:

https://student.unsw.edu.au/plagiarism

Referencing

In this course, students are required to reference following the APA 7 / Chicago NB referencing style. Information about referencing styles is available at: https://guides.lib.unsw.adfa.edu.au/c.php?g=472948&p=3246720

Study at UNSW Canberra

https://www.unsw.adfa.edu.au/study

Study at UNSW Canberra has lots of useful information regarding:

- Where to get help
- Administrative matters
- Getting your passwords set up
- How to log on to Moodle
- Accessing the Library and other areas.

Additional Information as required

CRICOS Provider no. 00098G

The University of New South Wales Canberra.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates	Engineers Australia - Professional Engineer (Stage 1)
Margins and allowances Assessment Format: Individual Short Extension: Yes (7 days)	10%	Start Date: Not Applicable Due Date: Week 4: 05 August - 09 August	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of

			systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
Survivability and vulnerability Assessment Format: Individual Short Extension: Yes (7 days)	20%	Start Date: Not Applicable Due Date: Week 7: 09 September - 13 September	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual

			factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
Final drawing set and completed documentation/ specification Assessment Format: Individual Short Extension: Yes (7 days)	30%	Start Date: Not Applicable Due Date: Week 12: 14 October - 18 October	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual

			understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources • PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains

			• PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct
Final Viva Assessment Format: Individual	40%	Start Date: Not Applicable Due Date: Exam week	• PEE1.1 : Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline • PEE1.2 : Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline • PEE1.3 : In-depth understanding of specialist bodies of knowledge within the engineering discipline • PEE1.4 : Discernment of knowledge development and research directions within the engineering discipline • PEE1.5 : Knowledge of engineering design practice and contextual factors impacting the engineering discipline • PEE1.6 : Understanding of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline • PEE2.1 : Application of established engineering methods to complex engineering problem solving • PEE2.2 : Fluent application of engineering techniques, tools and resources

			• PEE2.3 : Application of systematic engineering synthesis and design processes • PEE2.4 : Application of systematic approaches to the conduct and management of projects within the technology domain • PEE3.1 : Ethical conduct and professional accountability • PEE3.2 : Effective oral and written communication in professional and lay domains • PEE3.3 : Creative, innovative and pro-active demeanour • PEE3.4 : Professional use and management of information • PEE3.5 : Orderly management of self, and professional conduct

Assessment Details

Margins and allowances

Assessment Overview

Margins and allowances

Course Learning Outcomes

- CLO1 : Explain and defend the chosen set of principal particulars that meet the requirements of the provided design brief.
- CLO2 : Practice and develop the skills required to electronically generate a ship’s hullform, and translate it into a final lines plan and final general arrangement electronic drawing set.
- CLO3 : Perform a final weight estimate including identification of margins and allowances for the vessel and produce an editable electronic record of masses and centres for final stability assessment.

Detailed Assessment Description

Margins and allowances.

Assessment Length

Typed - approx. 10 pages.

Submission notes

Moodle

Assessment information

Detailed assessment specifications will be posted to Moodle and Teams.

Assignment submission Turnitin type

This is not a Turnitin assignment

Survivability and vulnerability

Assessment Overview

Survivability and vulnerability

Course Learning Outcomes

- CLO1 : Explain and defend the chosen set of principal particulars that meet the requirements of the provided design brief.
- CLO3 : Perform a final weight estimate including identification of margins and allowances for the vessel and produce an editable electronic record of masses and centres for final stability assessment.
- CLO5 : Be capable of completing all required design work to the chosen structural rule, finalise the calculation of the scantlings of the principal structure using electronic rule sets and prepare final electronic structural general arrangement drawings.

Detailed Assessment Description

Survivability and vulnerability.

Assessment Length

Approx. 10 pages. Typed . Plus appendices.

Submission notes

Moodle.

Assessment information

Detailed assessment specifications will be posted to Moodle and Teams.

Assignment submission Turnitin type

This is not a Turnitin assignment

Final drawing set and completed documentation/specification

Assessment Overview

Final drawing set and completed documentation/specification

Course Learning Outcomes

- CLO1 : Explain and defend the chosen set of principal particulars that meet the requirements of the provided design brief.
- CLO2 : Practice and develop the skills required to electronically generate a ship's hullform, and translate it into a final lines plan and final general arrangement electronic drawing set.
- CLO3 : Perform a final weight estimate including identification of margins and allowances for the vessel and produce an editable electronic record of masses and centres for final stability assessment.
- CLO4 : Calculate, check and confirm the resistance of the vessel, derive and specify the final power required to achieve the required speed, make final engine(s) and gearbox selections and specify the final propulsion type.
- CLO5 : Be capable of completing all required design work to the chosen structural rule, finalise the calculation of the scantlings of the principal structure using electronic rule sets and prepare final electronic structural general arrangement drawings.

Detailed Assessment Description

Final drawing set and completed documentation/specification.

Assessment Length

Approx. 20 pages. Typed. Plus appendices and drawing set and 3-D printed model.

Submission notes

Moodle.

Assessment information

Detailed assessment specifications will be posted to Moodle and Teams.

Assignment submission Turnitin type

This is not a Turnitin assignment

Final Viva

Assessment Overview

Final Viva

Course Learning Outcomes

- CLO1 : Explain and defend the chosen set of principal particulars that meet the requirements of the provided design brief.

- CLO2 : Practice and develop the skills required to electronically generate a ship’s hullform, and translate it into a final lines plan and final general arrangement electronic drawing set.
- CLO3 : Perform a final weight estimate including identification of margins and allowances for the vessel and produce an editable electronic record of masses and centres for final stability assessment.
- CLO4 : Calculate, check and confirm the resistance of the vessel, derive and specify the final power required to achieve the required speed, make final engine(s) and gearbox selections and specify the final propulsion type.
- CLO5 : Be capable of completing all required design work to the chosen structural rule, finalise the calculation of the scantlings of the principal structure using electronic rule sets and prepare final electronic structural general arrangement drawings.

Detailed Assessment Description

Individual viva with course convenor and teaching staff during final examination period, or beforehand. External subject matter experts will also attend and assist with questions and guiding the student's defence of their individual work and presentation/drawings. Further detail will be posted on Moodle and Teams.

Assessment Length

Approximately one hour including Q&A from floor.

Submission notes

Upload presentation to Moodle and Teams.

Assignment submission Turnitin type

Not Applicable

Hurdle rules

Achievement of a minimum of 50% in the examination is required to pass the course.

General Assessment Information

Students will receive written feedback on Assessment 1 - Margins and allowances, during Week 4, before the census date (11 August).

Late Submission of Assessment:

Unless prior arrangement is made with the lecturer or a formal application for special consideration is submitted, a penalty of 5% of the total available mark for the assessment will apply for each day that an assessment item is late up to a maximum of 5 days (120 hours) after which an assessment can no longer be submitted and a grade of 0 will be applied.

Use of Generative AI in Assessments:

SIMPLE EDITING ASSISTANCE – acceptable use in Assessments 1, 2 and 3 for course as structured.

For this assessment task, you may use standard editing and referencing software. You are permitted to use the full capabilities of the standard software to answer the question (e.g. Microsoft Office suite, Grammarly, etc.).

Referencing

In this course, students are required to reference and the APA 7 style (variant of Harvard) (Author, date) is recommended as a simple referencing style.

Information about referencing styles is available at: https://guides.lib.unsw.adfa.edu.au/c.php?g=472948&p=3246720

Students are encouraged to develop a professional and holistic bibliographic library via use of the available Endnote software.

This could allow equally easy use of a numbered endnote referencing style such as Vancouver with intext [#] or (#) citations.

Grading Basis

Standard

Requirements to pass course

The overall passing mark is set at 50% by the university. Achievement of a minimum of 50% in the examination is required to pass the course.

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 15 July - 19 July	Lecture	Review of ZEIT4750 and discussion of plans and progress for your design project in ZEIT4751.
Week 2 : 22 July - 26 July	Lecture	Focus: Margins and allowances.
Week 3 : 29 July - 2 August	Lecture	Design review and assistance in-class.
Week 4 : 5 August - 9 August	Lecture	Design review and assistance in-class.
	Assessment	Margins and Allowances
Week 5 : 12 August - 16 August	Lecture	Design review and assistance in-class.
Week 6 : 19 August - 23 August	Lecture	Survivability and vulnerability.
Week 7 : 9 September - 13 September	Lecture	Design review and assistance in-class.
	Assessment	Survivability and Vulnerability
Week 8 : 16 September - 20 September	Lecture	Design review and assistance in-class.
Week 9 : 23 September - 27 September	Lecture	Design review and assistance in-class.
Week 10 : 30 September - 4 October	Lecture	Design review and assistance in-class.
Week 11 : 7 October - 11 October	Lecture	Design review and assistance in-class. Thursday is lost to a Military Training Day.
Week 12 : 14 October - 18 October	Group Activity	Peer-led preliminary critique of each other's designs with guidance from convener and teaching staff.
	Assessment	Final drawing set and completed documentation/specification
Week 13 : 21 October - 25 October	Group Activity	Review of designs and contingency week for external defence.

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

General Schedule Information

In general, we will meet from 10am to 12noon on Tuesday and Wednesday during weeks 1 to 13.

Week 12, Thursday 10 October is a day lost due to a Military Training Day.

Course Resources

Prescribed Resources

Compulsory Texts:

1. Principles of Naval Architecture | SNAME

6 chapter set (at SNAME Student Member price[1])

1. Tupper, E.C. (2013), *Introduction to Naval Architecture*, 5th ed., Butterworth Heinemann, London.

Introduction to Naval Architecture | ScienceDirect (unsw.edu.au)

[1] SNAME student membership:

Add - BNE SNAME Online Membership Individual Information

Recommended Resources

Reference may be made to several supporting sources throughout this course, which are available in electronic and/or physical form via the UNSW Canberra library. Also see the subject guide at ADFA Library subject guide – Naval Architecture. These include:

1. The International Code on Intact Stability, 2008 (2020 edition), International Maritime Organisation, London, UK.
2. Lamb, T.C. (Ed.) (2003 and 2004), *Ship Design and Construction*, v.1 and 2, Society of Naval Architects and Marine Engineers, Jersey City, USA.
3. Rawson, K.J. and Tupper, E.C. (2001), *Basic Ship Theory*, Butterworth Heinemann, London.

Other resources are available on this course's Teams/Moodle site.

Useful websites:

- Lloyd's Register www.lr.org
- DNV https://www.dnv.com/rules-standards/index.html
- BV https://marine-offshore.bureauveritas.com/rules-guidelines

Australian Naval Classification Authority RINA ANCA

Course Evaluation and Development

One of the key priorities in the 2025 Strategy for UNSW is a drive for academic excellence in education. One of the ways of determining how well UNSW is progressing towards this goal is by listening to our own students. Students will be asked to complete the myExperience survey towards the end of this course.

Students can also provide feedback during the semester via: direct contact with the lecturer, the "On-going Student Feedback" link in Moodle, Student-Staff Liaison Committee meetings in schools, informal feedback conducted by staff, and focus groups. Student opinions really do make a difference. Refer to the Moodle site for this course to see how the feedback from previous students has contributed to the course development.

Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct Policy

https://www.unsw.edu.au/planning-assurance/conduct-integrity/conduct-unsw/student-conduct-integrity/student-code-conduct

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	David Lyons		B21 368	0290659480	Teams message, email or phone for an individual appointment.	Yes	Yes
Program director	Warren Smith		B20 135	0251145208	Teams message, email or phone for an individual appointment.	No	No