



UNSW  
AUSTRALIA

# Course Outline

Semester 1 2017

Never Stand Still

Engineering

Mechanical and Manufacturing Engineering

Engineering

## NAVL3410

# SHIP STRUCTURES 1

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# 1. Staff contact details

## Contact details and consultation times for course convenor

Name: Dr Mac Chowdhury  
Office location: Ainsworth 208B  
Tel: (02) 9385 4119  
Email: [m.chowdhury@unsw.edu.au](mailto:m.chowdhury@unsw.edu.au)

Consultation concerning this course is available by appointment, or directly by phone contact or email.

# 2. Course details

## Credit points

NAVL3410 is a 6 unit-of-credit (UoC) course, and involves 6 hours per week (h/w) of face-to-face contact.

The UNSW website states “The normal workload expectations of a student are approximately 25 hours per semester for each UoC, including class contacting

## **Aims of the course**

The main aim of this course is to develop a clear understanding of the methods of analysis of ship structures and structural components based on first principles. “First principles” in this context means the use of established theories of structural mechanics.

However, in practice, most ship structural designs are based on the rules of a classification society rather than explicit application of first principles. This course will also correlate these two methods with the help of practical design problems.

## **Student learning outcomes**

This course is designed to address the learning outcomes below

The assignments are based on calculations and tasks taken from design-office experience

## 4. Course schedule

## 5. Assessment

**Assessment o**

- x All working shown.
- x Use of diagrams, where appropriate, to support or illustrate the calculations.
- x Use of graphs, where appropriate, to support or illustrate the calculations.
- x Use of tables, where appropriate, to support or shorten the calculations.
- x Neatness.

For reports:

- x Identification of key facts and the integration of those facts in a logical development.
- x Clarity of communication—this includes development of a clear and orderly structure and the highlighting of core arguments.
- x Sentences in clear and plain English—this includes correct grammar, spelling and punctuation.
- x Correct referencing in accordance with the prescribed citation and style guide.

## Assignments

### Presentation

All submissions should have a standard School cover sheet which is available from this course's Moodle page.

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work. Presenting them clearly gives the marker the best chance of understanding your method; even if the numerical results are incorrect.

### Submission

Assignments are due on the scheduled day of the class as shown on the previous page. Assignments should be submitted direct to me in class, or in my office, or at the School Office by 1700 on the due date, and not via the assignment boxes.

Late submissions will be penalised 5% per calendar day (including weekends). An extension may only be granted in exceptional circumstances. Where an assessment task is worth less than 20% of the total course mark and you have a compelling reason for being unable to submit your work on time, you must seek approval for an extension from the course convenor before the due date. Special consideration for assessment tasks of 20% or greater must be processed through [student.unsw.edu.au/special-consideration](http://student.unsw.edu.au/special-consideration).

It is always worth submitting late assessment tasks when possible. Completion of the work, even late, may be taken into account in cases of special consideration.

## Examinations

There is a final three-hour examination in this course.

You must be available for all tests and examinations. Final examinations for each course are held during the University examination periods, which are June for Semester 1 and

Provisional Examination timetables are generally published on myUNSW in May for Semester 1 and September for Semester 2

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

### 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 shown at [student.unsw.edu.au/exam-approved-calculators-and-computers](http://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 to obtain an “Approved” sticker for it from the School Office or the Engineering Student Centre prior to the examination. Calculators not bearing an “Approved” sticker will not be allowed into the examination room.

### **Special consideration and supplementary assessment**





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 assistance to improve your academic skills. They may ask you to look at some online resources, attend the Learning Centre, or s

## Appendix A