

### **Syllabus**

#### Section A (weeks 1 - 5)

- Basic engineering statics
- Statically determinate and indeterminate structures
- Compatibility of deformations
- Shear stresses in beams
- Stiffness method
- Stability of compression members
- Introduction to strain energy

#### Section B (weeks 6 - 13)

- Unsymmetrical bending
- Approximate analysis
- Influence lines
- Simple plastic theory

### **Examination**

#### CVNG 2001

Test	30%
Written exam	<u>70%</u>
	100%

Students are required to answer **4** from **6** questions in the written exam.

#### MENG 2001

Written exam	100%
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The exam paper consists of two Sections. Section A has **3** questions and section B has **5** questions. Students are required to answer **5** from **8** questions, including at least one (1) from Section A.

