**HW0188  Engineering Communication I**

**Study year**: CoE Year 1 and 2  
**Academic units**: 2 AUs  
**Co-requisite**: HW0001 English Proficiency  
**Tutorial hours**: 24

**CONTENT**

The aim of this course is to enable Engineering students to recognise and use an appropriate style of communication in both academic and professional settings. In this course, students will learn how to communicate to technical and non-technical audiences; how to use different technical writing techniques; how to write short technical reports; and how to make effective technical presentations. Students will also learn how to evaluate sources and how to incorporate these in their writing, through such techniques as citing, paraphrasing and quoting. This foundation course will also prepare students for the more advanced Engineering Communication II course that they will take later.

**LEARNING OBJECTIVES**

The objectives of this course are to enable students to master the important elements of engineering communication, including:

1. basic academic literacy skills; and  
2. key styles of written and spoken communication relevant to engineering.

**LEARNING OUTCOMES**

Upon successful completion of the course, the students should be able to:

1. produce short academic texts relevant to the field of engineering;  
2. write an audience-specific short technical proposal and report; and  
3. make presentations on technical topics.

**COURSE SCHEDULE**

<table>
<thead>
<tr>
<th>Week</th>
<th>Tutorial topics</th>
<th>Reading/Activities</th>
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<tbody>
<tr>
<td>1</td>
<td>No tutorial</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>Introduction to technical communication</td>
<td>Unit 1</td>
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</tbody>
</table>
| 3    | Writing technical definitions, descriptions and explanations  
      Writing and presenting technical arguments | Unit 2  
      Unit 3 |
| 4    | Writing and presenting technical arguments (continued)  
      Writing short technical reports | Unit 3  
      Unit 4 |
5 Writing short technical reports (continued)  
6 Writing from sources: Evaluating, summarising, paraphrasing, and citing information  
   Revising and editing  
7 Writing technical proposals  
8 Writing technical proposals (continued)  
9 Conferencing  
10 Preparing technical presentations  
11 Delivering technical presentations  
12 In-class presentations  
13 In-class presentations; Course review

STUDENT ASSESSMENT

The use of 100% continuous assessment is considered to be the most appropriate form of assessment bearing in mind the objectives of the course as well as to achieve the intended learning outcomes.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weighting</th>
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<tr>
<td>Written assignments</td>
<td>55%</td>
</tr>
<tr>
<td>Technical presentation</td>
<td>30%</td>
</tr>
<tr>
<td>Class participation</td>
<td>15%</td>
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Written assignments: Assignments are designed to allow students to demonstrate their mastery of writing skills learned in the course. The assignments include a short technical report and proposal.

Technical presentation: Students will give a presentation on solutions to engineering problems arrived at through their proposal projects.

Class participation: Involves tutor and peer evaluation. Students will be assessed on their participation in class discussions and activities by the tutor, as well as completing online exercises.

TEXTBOOKS/REFERENCES


Further reference