HW0228  Scientific Communication II

Study year : SBS Year 2; SSM Year 3; SPMS Year 3
Academic units : 2 AUs
Pre-requisite : HW0128 Scientific Communication I
Tutorial hours : 24

CONTENT

This course introduces students to conventions of scientific texts using a project-based approach. It focuses on the linguistic features, rhetoric and structure of scientific texts such as critiques, proposals and academic reports. In addition, students will have an opportunity to share their research ideas with their peers through class presentations on their research proposals and projects. The course also includes conferencing sessions with tutors for discussion of their project work.

LEARNING OBJECTIVES

The objectives of this course are to teach students important elements of scientific communication, including:

1. Strategies for critiquing scientific papers;
2. written conventions in scientific texts; and
3. the communication of scientific research.

LEARNING OUTCOMES

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

1. read and critique scientific papers;
2. write scientific texts such as critiques, proposals and reports; and
3. present scientific proposals and projects.

COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Tutorial topics</th>
<th>Reading/Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No tutorial</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Introduction to scientific research writing</td>
<td>Unit 1</td>
</tr>
<tr>
<td>3</td>
<td>Scientific proposals</td>
<td>Unit 2</td>
</tr>
<tr>
<td>4</td>
<td>Scientific reports: Introduction</td>
<td>Unit 3</td>
</tr>
<tr>
<td>5</td>
<td>Scientific reports: Critiquing an introduction</td>
<td>Unit 3</td>
</tr>
<tr>
<td>6</td>
<td>Scientific reports: Methodology</td>
<td>Unit 4</td>
</tr>
<tr>
<td>7</td>
<td>Presentation of scientific proposals</td>
<td>Unit 2</td>
</tr>
</tbody>
</table>
HW0228  Scientific Communication II

8  Scientific reports: Results and discussion  Unit 5
9  Scientific reports: Conclusion and abstract  Unit 6
10 Scientific reports: Revising and editing  Unit 8
11 In-class presentations  Unit 7
12 In-class presentations  Unit 7
13 Course review and feedback  Units 1 to 8

STUDENT ASSESSMENT

Students will be assessed by 100% continuous assessment. The assignments are designed to focus on the course and achieve the intended learning outcomes.

Assessment  Weighting

Written assignments  70%

Students will write a critique of the introduction of a published science paper and an experimental or survey report following appropriate conventions in their field.

Project presentation  15%

Students will present their research projects in teams and respond to questions from the class.

Class participation  15%

Students will be assessed on the quality and quantity of their participation in class discussions and activities.

TEXTBOOKS/REFERENCES


Further reference