

HW0228

SCIENTIFIC COMMUNICATION II

Study Year: SBS Year 2; SSM Year 3; SPMS Year 3**Academic Unit:** 2 AUs**Pre-requisite:** HW0128 Scientific Communication I

LEARNING OBJECTIVES

The objectives of this course are to teach students the following advanced skills of scientific communication:

- i. Strategies for critiquing scientific papers.
- ii. Writing and citing conventions of scientific texts.
- iii. Preparation and delivery of scientific research.

CONTENT

This course introduces students to the conventions of academic writing using a project-based approach. It focuses on the structure, rhetorical moves and language features of academic genres such as critiques, proposals and academic papers. In addition, students have an opportunity to share their research ideas with their peers through class presentations on their research proposals and projects. Time is also set aside for students to discuss their work with their instructors at conferencing sessions.

LEARNING OUTCOMES

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

- i. Read and critique scientific papers.
- ii. Write scientific texts such as critiques, proposals and reports.
- iii. Present scientific proposals and projects.

STUDENT ASSESSMENT

Students will be assessed by:

- i. 2 written assignments (a critique and research report) – 70%
- ii. 1 oral presentation (a project presentation) – 15%
- iii. Class participation – 15%

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COURSE OUTLINE

S/N	Topic	Tutorial Hours
1	Introduction to scientific research writing	2
2	Scientific proposals: Writing and presenting a proposal	2
3	Scientific reports: Writing an introduction	2
4	Critiquing an introduction	2
5	Scientific reports: Methodology	2
6	Presentation of scientific proposals	2
7	Scientific reports: Results and discussion	2
8	Scientific reports: Conclusion and abstract	2
9	Scientific reports: Revising and editing/Conferencing	2
10	In-class presentations of scientific projects	2
11	In-class presentations of scientific projects	2
12	Course review and feedback	2

TEXTBOOKS/REFERENCES

- i. *Scientific Communication II Course Pack*. Singapore: NTU Language and Communication Centre.
- ii. Further reference: Porush, D. (2006) *A short guide to writing about science*. Singapore: Pearson.