Title	: *Science and Society*
Course Code	: SCI4001
Recommended Study Year	: Year 4
No. of Credits/Term	: 3
Mode of Tuition	**:** Individual supervision
Class Contact Hours	: Not applicable
Category	: Required course in the Minor in Environmental and Scientific Literacy
Prerequisite	: past or current enrollment in SCI3xxx course
Co-requisite	: Nil
Exclusion	: Nil
Exemption Requirement	: Nil

Brief Course Description:

This capstone course will pull together the skills and experiences gained through previous course work to allow students to apply these a project that addresses a community need related to a scientific issue/issues

Aims:

The aim of this capstone course is to allow students to apply their science knowledge and science literacy skills in a real-world situation.

Learning Outcomes (LOs):

Upon completion of this course, students will be able to:

1. Explain and analyze the scientific concepts relevant to issues of local concern.
2. Identify the knowledge, needs, intentions, responsibilities and expectations of different stakeholders.
3. Clearly articulate the constraints and trade-offs inherent in the system.
4. Design, conduct, and analyze the effectiveness of project/programme designed to address a local science-related issue/need.
5. Communicate clearly with a variety of stakeholders.
6. Reflect about the role of science and science literacy in modern society.

Indicative Contents:

Varies depending on project.

Teaching Method:

Students are required to submit drafts at various stages and undertake individual research, meeting their academic supervisors at regular intervals.

Course Assessment:

Assignments (in class and take-home)	20%
Written Assignments	20%
Project design, implementation, and analysis	60%

Measurement of Learning Outcomes: Science and Society

Assessment Method	Intended Learning Outcomes					
	1	**2**	**3**	**4**	**5**	**6**
Assignments	X					
Writing Assignments	X	X	X			
Projects		X	X	X	X	X

Required Readings:

There is no required textbook for this course. This course will largely be project based, so the instructor will provide readings as required.

Important Notes:

1. Students are expected to spend a total of 9 hours (i.e. 3 hours of class contact and 6 hours of personal study) per week to achieve the course learning outcomes.
2. Students shall be aware of the University regulations about dishonest practice in course work, tests and examinations, and the possible consequences as stipulated in the Regulations Governing University Examinations. In particular, plagiarism, being a kind of dishonest practice, is "the presentation of another person's work without proper acknowledgement of the source, including exact phrases, or summarised ideas, or even footnotes/citations, whether protected by copyright or not, as the student's own work". Students are required to strictly follow university regulations governing academic integrity and honesty.
3. Students are required to submit writing assignment(s) using Turnitin.
4. To enhance students' understanding of plagiarism, a mini-course "Online Tutorial on Plagiarism Awareness" is available on https://pla.ln.edu.hk/.

Grading Rubrics

Assignments

	Excellent (A, A-)	**Good (B+, B, B-)**	**Fair (C+, C, C-)**	**Poor (D+, D)**	**Fail (F)**
Context (20%)	Demonstrates excellent understanding of context and audience	Demonstrates good understanding of context and audience	Demonstrates some understanding of context and audience	Demonstrate minimal understanding of context and audience	Fails to demonstrate understanding of context and audience
Organization and Content (50%)	Includes excellent detail and full analysis of subject Organized in a thoughtful and effective manner	Includes good detail and analysis of subject Good organization	Includes fair detail and analysis of subject Fair organization, but some ideas could be expanded	Poor detail and analysis of subject Poor organization, ineffective in delivery	Fails to include detail and analysis of subject Unorganized delivery of content
Communication (30%)	Uses excellent language that effectively conveys the message Contains minimal errors	Uses good language that conveys the message Contains a few errors	Uses fair language to convey the message Contains some errors	Use poor language Contains excessive errors	Fails to convey the message

Written Assignments

	Excellent (A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Poor (D+, D, F)	Fail (F)
Understanding context and audience (20%)	Demonstrates a thorough understanding of context and audience	Demonstrates good attention to the audience and purpose of the assignment	Demonstrates some understanding of context and audience	Demonstrate minimal understanding of context and audience	Fails to demonstrate understanding of context and audience
Depth and Organization of content (50%)	Includes in full depth of analysis and detail of subject matter and organizes the material in a thoughtful and effective manner	Includes good depth of analysis and detail subject matter and organizes the material but ideas could be organized and communicated more fully and effectively	Includes adequate depth of analysis and detail of subject matter and provides acceptable organization of the material but ideas could be organized and communicated much more fully and effectively	Include limited depth of subject matter or organize material	Fails to include adequate depth of subject matter or organize material
Uses language effectively (30%)	Uses language that effectively conveys the message and contains no errors	Uses clear language, the use of language may contain a few errors	Uses appropriate language, but these efforts may be simple, and the use of language may contain some errors	Use poor language and contains many errors	Fails to convey the message

Projects

	Excellent (A, A-)	**Good (B+, B, B-)**	**Fair (C+, C, C-)**	**Poor (D+, D)**	**Fail (F)**
Context (20%)	Demonstrates excellent understanding of context and audience	Demonstrates good understanding of context and audience	Demonstrates some understanding of context and audience	Demonstrate minimal understanding of context and audience	Fails to demonstrate understanding of context and audience
Organization and Content (50%)	Includes excellent detail and full analysis of subject Organized in a thoughtful and effective manner	Includes good detail and analysis of subject Good organization	Includes fair detail and analysis of subject Fair organization, but some ideas could be expanded	Poor detail and analysis of subject Poor organization, ineffective in delivery	Fails to provide detail and analysis of subject Failed to organize presentations effectively
Communication (30%)	Uses excellent language that effectively conveys the message Contains minimal errors	Uses good language that conveys the message Contains a few errors	Uses fair language to convey the message Contains some errors	Use poor language Contains excessive errors	Fails to convey the message