Scientific English Class (SEC)

1. Description

The Scientific English Class (SEC) is designed to enhance students' English proficiency in scientific contexts, equipping them with the necessary language skills to comprehend, discuss, and engage in scientific topics effectively. This course provides international students with the opportunity to attend English for Specific Purposes (ESP) classes, specifically related to scientific fields. The classes allow the students to immerse themselves in the Thai academic environment.

2. Expected Learning Outcomes

By participating in these classes, students will:

- 1. Develop their ability to understand scientific concepts presented in English.
- 2. Improve their listening and note-taking skills in scientific lessons.
- 3. Engage in discussions and collaborative activities with Thai peers to deepen their scientific understanding.
- 4. Learn to present scientific ideas clearly and accurately in English.
- 5. Enhance cross-cultural communication skills through academic collaboration.

3. Study Time Allocation

- Total Study Time: 12 hours (4 classes)
- Class Duration: Each class lasts 3 hours.

4. Learning Activities

4.1 Lecture-Based Learning - 30%

- Instructor-led explanations and discussions on key scientific topics.
- Introduction to scientific terminology and concepts in English.

4.2 Active Learning - 70%

- Interactive group discussions and problem-solving activities.
- Hands-on exercises, peer collaboration, and scientific debates.

Project/Task-Based Learning

• Engaging students in tasks, presentations, and written assignments related to science and technology.

Experiential Learning

• Immersive activities that simulate real-world scientific communication and collaboration.

Торіс	Key Focus Areas
Controversial Issues in	Debating ethical dilemmas (e.g., genetic engineering, AI in
Science and Technology	medicine); Evaluating the societal and environmental impact
	of emerging technologies.
Experimental Tasks in	Conducting and reporting scientific experiments in English;
Science and Technology	Understanding lab procedures, safety guidelines, and data
	analysis.
Writing Opinion	Structuring and expressing viewpoints on scientific topics;
Paragraphs in Science	Supporting arguments with evidence and logical reasoning.
Communication in Daily	Explaining scientific phenomena in everyday life (e.g., climate
Science and Technology	change, renewable energy); Discussing science-related news
	and innovations in accessible language.
Roles of AI and Innovation	Exploring AI's impact on scientific fields; Discussing the
	benefits and challenges of technological advancements.

5. Example of Topics in the Scientific English Class (SEC)

Note: These topics are subject to change in accordance with the specific scientific classes students will be attending.

6. Contact Persons

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