

No	Academic Position/ (Field of Expertise)	Name-Surname	Qualifications (Field of Study), Institution, Country, Year of Graduation
1.	Assistant Professor (Industrial Microbiology, Environmental Microbiology)	Kaset Kondee	Doctor of Philosophy (Electrical Engineering), UNIVERSITY OF CINCINNATI, US, 2547 Master of Science (Electrical Engineering), UNIVERSITY OF CINCINNATI, US, 2546 Bachelor of Science (Electrical Engineering), UNIVERSITY OF ARIZONA, US, 2542
2.	Associate Professor (Medical Microbiology)	Kaset Rukchart	Doctor of Philosophy (Applied Biology), CHIANG MAI UNIVERSITY, TH, 2555 Bachelor of Science (Microbiology), SILPAKORN UNIVERSITY, TH, 2551

9. Alignment of Course Learning Outcomes with the General Education Learning Outcomes of Kasetsart University, 2024

Course Learning Outcomes (CLO)	Learning Outcomes of the General Education Courses Kasetsart University, 2024												
	GELO 1	GELO 2	GELO 3	GELO 4			GELO 5		GELO 6	GELO 7	GELO 8	GELO 9	GELO 10
				GELO 4.1	GELO 4.2	GELO 4.3	GELO 5.1	GELO 5.2					
1.													
2.													
3.													

Note: Please use the symbol ● to indicate the alignment between Course Learning Outcomes and General Education Learning Outcomes of Kasetsart University, 2024 as follows:

GELO 1 Integrate knowledge from various disciplines into learning and university life. (Knowledge - K)

GELO 2 Present problem-solving approaches and make decisions using suitable thinking skills for the situation. (Knowledge - K)

GELO 3 Analyze the current situation and plan work appropriately using entrepreneurial competencies. (Knowledge - K)

GELO 4 Apply language, communication, and information technology skills to support learning and effective collaboration with others

Sub GELO 4.1 Communicate effectively using language skills in both work and life (Skill - S)

Sub GELO 4.2 Utilize digital and information technology accurately for communication and collaboration. (Skill - S)

Sub GELO 4.3 Present ideas or work through various methods and formats. (Skill - S)

GELO 5 Manage oneself to be able to live and study

Sub GELO 5.1 Take care of oneself and manage oneself both physically and mentally (Skill - S)

Sub GELO 5.2 Express the value of oneself and others, set goals, and maintain mental health in daily life (Characteristics - C)

GELO 6 Express basic morality and ethics in living with others (Ethic - E)

GELO 7 Evaluate oneself, set goals, plan learning and evaluate learning to develop oneself (Characteristics - C)

GELO 8 Apply the concept of good citizenship and sustainable development in life or activities at the university (Characteristics - C)

GELO 9 Work with others as a leader and follower, knowing their own roles and responsibilities (Characteristics - C)

GELO 10 Express pride in being Thai, maintain the culture, a good identity, local wisdom and national history (Characteristics - C)

10. Course Outline

****Course Outline:** The course outline must be written in English. For courses that include both lectures and laboratory sessions, details of lecture topics and laboratory topics must be listed separately. (1 lecture credit equals 15 teaching hours per semester, and 1 laboratory credit equals 30 or 45 teaching hours per semester)

If the lecture and laboratory components share the same topics, they may be presented together. In cases where a single topic involves more than 6 teaching hours, subtopics should be added, with appropriate use of formatting such as underlining and numerical aggregation in accordance with mathematical conventions.

The total instructional hours must be consistent with the assigned course credits.

● *Sample Course Outline format for Lecture-Only (Total 2(2-0-4) Credits)*

10. Course Outline

	Lecture Hours
1. ... (Lesson Topic)	...
2. ... (Lesson Topic)	...
...	...
Total	<u>30</u>

● *Sample Course Outline Format for Lecture and Laboratory (Total 3(2-2-5) Credits)*

10. Course Outline

	Lecture Hours
1. ... (Lesson Topic)	...
2. ... (Lesson Topic)	...
...	...
Total	<u>30</u>

	Laboratory Hours
1. ... (Lesson Topic)	...
2. ... (Lesson Topic)	...
...	...
Total	<u>30</u>

11. Descriptions of Course Learning Outcomes

- Specify the Course Learning Outcomes (CLOs) in alignment with the defined competencies of General Education Courses at Kasetsart University, 2024, as shown in the example table and specify the weighting assigned to each competency, such that the total weighting equals 100.

Competencies of General Education Courses Kasetsart University		Course Learning Outcomes (CLOs) Aligned with Competencies	Percentage of Competency-Based Weighting (%)
1. Communication and information technology skills	1.1 Communication skills		
	1.2 Technology literacy skills		
	1.3 Information literacy skills		
2. Leadership skills	2.1 Leadership skills		
	2.2 Teamwork skills		
3. Entrepreneurial skills	3.1 Entrepreneurial skills		
	3.2 Service mindedness		
4. Thinking skills	4.1 Systems thinking		
	4.2 Analytical thinking		
	4.3 Critical thinking		
	4.4 Creative thinking		
	4.5 Knowledge integration		
5. Multicultural competence	5.1 Thai culture and identity		
	5.2 Ethnic and culture diversity		
6. Self – management skills	6.1 Physical health management		
	6.2 Mental health management		
	6.3 Personality development		
	6.4 Social adaptability		
	6.5 Life management skills		
7. Lifelong learning skills	7.1 Curiosity and learning		
8. Civic engagement skills	8.1 Responsibility to oneself and society		
	8.2 Volunteer spirit		
Morality and ethics*	1. Meticulousness		Not Applicable
	2. Disciplined, responsible, punctual, and honest.		
	3. Social etiquette		
	4. Unity		
	5. Determination		
		Weighted Total (%)	100

Note: * The total percentage of the selected competencies must equal 100%, excluding morality and ethics, which are embedded across all competency areas within the General Education subject category.

CURRICULUM MAPPING: DISTRIBUTION OF RESPONSIBILITY FOR LEARNING OUTCOMES FROM THE CURRICULUM TO COURSES
GENERAL EDUCATION PROGRAM, KASETSART UNIVERSITY, B.E. 2564 (2021)

Course:(Specify course code and title).....

Subject Area:(Specify the subject area corresponding to the course).....

Legend: ● Primary responsibility ○ Secondary responsibility

Course Code/ Course Title	1. Demonstrate moral and ethical conduct in daily life based on the Sufficiency Economy Philosophy.			2. Recognize and appreciate Thai identity.		3. Possess broad knowledge and a broad worldview; understand and appreciate oneself and others, society, arts and culture, and nature.		4. Possess lifelong learning skills for continuous self-development.		5. Possess holistic thinking skills.		6. Demonstrate volunteer spirit and public consciousness and be a valued citizen of Thai society and the global community.		7. Use information technology with awareness and discernment		8. Use language effectively for communication.	
	Active Citizen			Active Citizen		Learner Person		Learner Person		Innovative Co-creator		Active Citizen		Innovative Co-creator.		Innovative Co-creator	
	1.1	1.2	1.3	2.1	2.2	3.1	3.2	4.1	4.2	5.1	5.2	6.1	6.2	7.1	7.2	8.1	8.2
Specify course code and course title																	
Learning Outcome Indicators																	
1. Moral and ethical conduct based on the Sufficiency Economy Philosophy 1.1 Demonstrate awareness of and commitment to moral and ethical principles. 1.2 Address various problems in accordance with moral and ethical principles. 1.3 Apply the Sufficiency Economy approach for beneficial outcomes.									2. Recognition and appreciation of Thai identity 2.1 Demonstrate pride in Thai identity, culture, valued characteristics, local wisdom, and Thai history. 2.2 Demonstrate the importance of resources, the environment, and community ways of life, together with awareness of conservation.								
3. Broad knowledge and worldview 3.1 Demonstrate appreciation of oneself within diverse cultural contexts and respect differences in human nature and ways of life in order to live harmoniously in society. 3.2 Integrate knowledge from diverse disciplines to enhance the quality of life of oneself, family, community, and society.									4. Lifelong learning skills for continuous self-development 4.1 Engage in knowledge-seeking activities. 4.2 Set goals, conduct self-assessment, plan, and evaluate learning for self-development.								
5. Holistic thinking skills 5.1 Employ diverse ways of thinking to make decisions critically. 5.2 Integrate knowledge holistically to solve problems creatively.									6. Volunteer spirit, public consciousness, and valued citizenship 6.1 Demonstrate selflessness, sharing, generosity, and active engagement in addressing collective problems to help others and society, with consideration for human equality. 6.2 Define one's roles and responsibilities as both a leader and a follower in different situations.								
7. Informed and discerning use of information technology 7.1 Use information technology to search for and collect data, process and interpret information, and present information. 7.2 Demonstrate media literacy and select and use information technology appropriately.									8. Effective language use for communication 8.1 Communicate effectively and creatively. 8.2 Use presentation formats appropriate to different groups of people.								

(Appendix)

Date of Course Preparation Date Month Year

1) Course Importance and Rationale for the Revision

-- Explain the importance of this course being revised, how its contents are significant to the curriculum, why it is necessary for students/graduates in the program, and the necessity for course revision --

2) The alignment of Lesson Learning Outcomes (LLOs), Course Learning Outcomes (CLOs) and Course Learning Plan

--Please specify the lesson topics according to the course outline, the number of lecture and/or practical hours, Lesson Learning Outcomes (LLOs) aligned with the Course Learning Outcomes (CLOs), and indicate the relevant “✓” symbols under the Higher Education Qualifications Standards Framework (K-S-E-C). In addition, specify the teaching and learning activities, learning resources, and assessment methods with score weightings that are appropriately aligned with each lesson.--

Lesson Topic	Hours (Lecture/ Laboratory)	Lesson Learning Outcomes (LLOs)	Course Learning Outcomes (CLOs)	Learning Outcomes according to the Thai Qualifications Framework for Higher Education 2022				Instructional Model	Learning Materials	Assessment method and Weighting
				Knowledge K	Skill S	Ethic E	Character C			

Note: In the event that a revised course in the General Education Program is approved by the University Council and the student learning outcomes are modified from those originally proposed to the Kasetsart University General Education Administration Committee, the course instructor(s) shall update the mapping of the Lesson Learning Outcomes (LLOs) and revise the course teaching and learning plan accordingly, ensuring full alignment with the newly revised Course Learning Outcomes (CLOs).