

**ASSUMPTION UNIVERSITY  
THEODORE MARIA SCHOOL OF ARTS  
DEPARTMENT OF GENERAL EDUCATION  
COURSE OUTLINE 1/2025**

**Course** : GE 2306: Circular Economy Lifestyles

**Credit** : 3 (3-0-6)

**Status** : Free elective

**Prerequisite:** None

**Lecturers** : A. Sasiluk S.                      A. Sasinut L.

**Course Description**

The interdisciplinary study of interrelationships of human, nature, ecosystem, natural resources, human lifestyles and consumption, and emerging environmental issues. Understanding life cycle of material and the circular economy concept. The systemic approach and application for sustainable material management for individual and community level.

**Course Objective**

By the end of the course, students should be able to:

- understand the interrelationship of human being, nature, ecosystem, natural resources, human lifestyle and consumption, and environmental problems
- understand the life cycle of material
- analyze effects of human lifestyles, consumption, and environmental problems
- apply the concept of life cycle of material and circular economy to real life through an upcycling project.

**Teaching-Learning Activities:**

1. Discussions
2. Lectures
3. Presentations
4. Case study
5. Quiz
6. Upcycling project - Waste to Wealth

**Mark Allocation:**

|                              |             |
|------------------------------|-------------|
| Class Participation          | 10%         |
| Classwork Assignments        | 25%         |
| Case Study & Presentations   | 10%         |
| Term Project-Waste to Wealth | 40%         |
| Quiz                         | 15%         |
| <b>Total</b>                 | <b>100%</b> |

**Attendance Requirement:**

At least **80%** class attendance is required. Students who are 15 minutes late will have their names recorded as late for that class. Three lates will be recorded as 1 absence.

**Evaluation:**

The grading system is as follows:

| <u>Grade</u>   | <u>Mark</u> |
|----------------|-------------|
| A              | 80-100 %    |
| A <sup>-</sup> | 78-79 %     |
| B <sup>+</sup> | 73-77 %     |
| B              | 70-72 %     |
| B <sup>-</sup> | 68-69 %     |
| C <sup>+</sup> | 63-67 %     |
| C <sup>-</sup> | 60-62 %     |
| C              | 58-59 %     |
| D              | 50-57 %     |
| W              | < 50 %      |

**References:**

Miller, G. Tyler & Spoolman, Scott (2021). Living in the Environment, 20th ed., Cengage Learning, Singapore.

Cunningham, W. P. & Cunningham, M. A. (2020). Environmental Science: A Global Concern. 15th ed. New York: McGraw-Hill Companies.

**Study Plan and Schedule:**

| <b>Lecture No.</b> | <b>Contents</b>                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1<br>June 5        | <b>Unit I: Humans and Environment</b> <ul style="list-style-type: none"><li>• Environment and human beings</li></ul>                                                                                                 |
| 2<br>June 10       | <b>Unit I: Humans and Environment (cont.)</b> <ul style="list-style-type: none"><li>• Ecosystems and their components</li></ul>                                                                                      |
| 3<br>June 12       | <b>Unit I: Humans and Environment (cont.)</b> <ul style="list-style-type: none"><li>• Biodiversity</li></ul>                                                                                                         |
| 4<br>June 17       | <b>Unit I: Humans and Environment (cont.)</b> <ul style="list-style-type: none"><li>• Ecosystem services</li><li>• Managing and sustaining ecosystem</li></ul> <b>Assignment 1 – Sustaining local ecosystem (5%)</b> |

|               |                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5<br>June 19  | <b>Unit II: Global Footprint and Material Crisis</b> <ul style="list-style-type: none"> <li>• Natural resources <ul style="list-style-type: none"> <li>- Type of natural resources</li> </ul> </li> <li>• Factors that influence natural resources consumption <ul style="list-style-type: none"> <li>- Human population growth</li> <li>- Human lifestyles and activities</li> </ul> </li> </ul> |
| 6<br>June 24  | <b>Unit II: Global Footprint and Material Crisis (cont.)</b> <ul style="list-style-type: none"> <li>• The issues related to natural resources utilization</li> <li>• Conservation and natural resources management</li> </ul>                                                                                                                                                                     |
| 7<br>June 26  | <b>Unit III: Climate Change</b> <ul style="list-style-type: none"> <li>• Causes of climate change</li> <li>• Effects of climate change</li> <li>• Ways to slow down climate change</li> </ul>                                                                                                                                                                                                     |
| 8<br>July 1   | <b>Unit III: Climate Change (cont.)</b> <ul style="list-style-type: none"> <li>• Case study- climate change and global issues</li> </ul> <i>Assignment 2 – Global climate change crisis (5%)</i>                                                                                                                                                                                                  |
| 9<br>July 3   | <b>Unit IV: Solid Waste</b> <ul style="list-style-type: none"> <li>• Human lifestyles and solid waste</li> <li>• The effects of solid waste</li> <li>• Solid waste management</li> </ul>                                                                                                                                                                                                          |
| 10<br>July 8  | <b>QUIZ (15%)</b>                                                                                                                                                                                                                                                                                                                                                                                 |
| 11<br>July 15 | <b>Unit V: Carbon footprint</b> <ul style="list-style-type: none"> <li>• Carbon footprint calculation</li> <li>• Carbon footprint of the products</li> <li>• Ways to reduce carbon footprint</li> </ul> <i>Assignment 3 – Lifestyles and carbon footprint analysis (5%)</i>                                                                                                                       |
| 12<br>July 17 | <b>Unit VI: Life Cycle Thinking</b> <ul style="list-style-type: none"> <li>• Life cycle of product <ul style="list-style-type: none"> <li>- The effects through life cycle of product</li> <li>- Ways to reduce the effects through life cycle of product</li> </ul> </li> </ul>                                                                                                                  |
| 13<br>July 22 | <b>Unit VII: Circular Economy</b> <ul style="list-style-type: none"> <li>• Principle of circular economy</li> <li>• Biological cycle and technical cycle concept</li> </ul>                                                                                                                                                                                                                       |
| 14<br>July 24 | <b>Unit VII: Circular Economy</b> <ul style="list-style-type: none"> <li>• The 9R Framework</li> </ul>                                                                                                                                                                                                                                                                                            |

|                                      |                                                                                                                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | <b><i>Assignment 4 – Plan your circular lifestyles (10%)</i></b>                                                                                                                                                     |
| 15<br>August 7                       | <b>Unit VIII: Design Thinking for Circular Business</b> <ul style="list-style-type: none"> <li>• Circular business model</li> <li>• How to design a circular business model?</li> </ul>                              |
| 16<br>August 14                      | <b>Unit VIII: Design Thinking for Circular Business (cont.)</b> <ul style="list-style-type: none"> <li>• Application for circular business model</li> <li>• <b><i>Case study – Presentation (10%)</i></b></li> </ul> |
| 17-20<br>Aug 19, 21<br>26, 28        | <b>Unit IX: Circular Economy Lifestyle</b> <ul style="list-style-type: none"> <li>• Design your circular lifestyle – upcycling workshop</li> </ul>                                                                   |
| 21-26<br>Sep 2, 4<br>9, 11<br>16, 18 | <b>Unit IX: Circular Economy Lifestyle</b> <ul style="list-style-type: none"> <li>• Design your circular lifestyle – upcycling workshop</li> </ul>                                                                   |
| 27-28<br>Sep 23, 25                  | Upcycling Project – Waste to Wealth Presentation                                                                                                                                                                     |

**Sep 19, 2025:** Last Day to withdraw with “W”

**LOCATION AND CONTACT INFORMATION** GENERAL EDUCATION (GE) office hours are Monday through Friday, 8.30 a.m. – 16.30 p.m.

Office Location: CL10

Phone: 02-7232485

Email Address: general\_education@au.edu

### **Au VISION**

Assumption University of Thailand envisions itself as:

- an international community of scholars,
- enlivened by Christian inspiration,
- engaged in the pursuit of Truth and Knowledge,
- serving human society, especially through the creative use of interdisciplinary approaches and cyber technology.

### **ENVISIONING Au GRADUATES**

Assumption University of Thailand envisions its graduates as:

- healthy and open-minded persons, characterized by personal integrity, an independent mind, and positive thinking,
- professionally competent, willing to exercise responsible leadership for economic progress in a just society,
- able to communicate effectively with people from other nations and to participate in globalization.

### **AU MISSION**

Assumption University, an International Catholic University, is committed to be the light that leads learners and its stakeholders from all parts of the world towards wisdom, Truth, and Christian values and to discover “Treasure Within” themselves. Via effective teaching and research pedagogies of international standards as well as community engagement, the University aims to form individuals to be intellectually competent, morally sound, and spiritually enriching, accountable, righteous, and service-minded citizens; excelling in serving communities comprising of diverse cultures.

### **Au UNIQUENESS**

“An International Catholic University”

### **Au IDENTITY**

- Ethics
- English Proficiency
- Entrepreneurial Spirit

### **THEODORE MARIA SCHOOL OF ARTS**

([www.arts.au.edu](http://www.arts.au.edu))

### **VISION AND MISSION**

#### **Vision**

An international community of business communicators in Thailand

#### **Mission**

Theodore Maria School of Arts will ensure that: the School will...

1. Enhance business language skills
2. Promote cultural awareness
3. Foster academic networking
4. Encourage ethical standards and practices

#### **TAGLINE**

# เติมเต็มศิลป์ภาษา พัฒนาศาสตร์ธุรกิจ

## Language Education, Business Inspiration

### **ARTS ORGANIZATIONAL CULTURE: More than faculty, we are family**

- Open communication
- Mentoring system
- Dedication
- Caring
- Teamwork
- Commitment
- Resource sharing

### **Core Values**

A = Adaptability

R = Responsibility

T = Togetherness

S = Sustainability

### **Core Competencies**

Employability

Multiculturalism

Internationalization

### **Quality Assurance Process**

Students should understand and apply the Quality Assurance Process in their study. The Plan-Do-Check-Act Cycle (PDCA) provides an easy but effective approach for problem solving and managing change, ensuring that ideas are appropriately tested before the full implementation. It can be used in all sorts of situations and can be clarified as follows:

**Plan:** Define the current problem, process, and issue and establish objectives and processes required to deliver the desired results.

**Do:** Implement the plans and new processes developed.

**Check:** Monitor and evaluate the implemented process by testing the results against the predetermined objectives.

**Act:** Apply actions necessary for improvement if the results require changes.

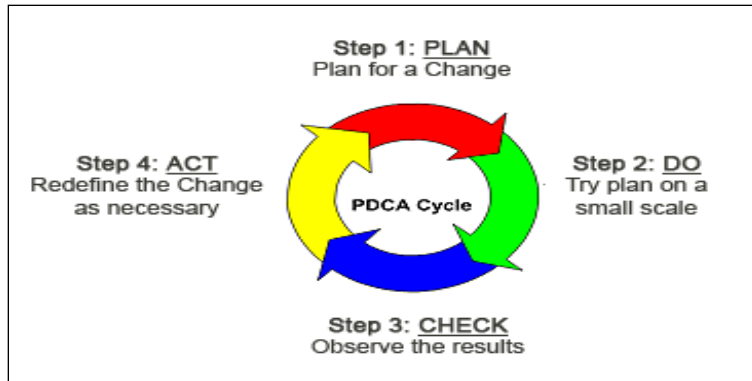


Figure 1: PDCA Cycle (<http://www.swopehealth.org>)

### Plagiarism

Plagiarism is a serious academic offence, a serious breach of ethical conduct and is unacceptable student behavior. Students who plagiarize copying words or ideas without acknowledging the original writer of the words or ideas, will face disciplinary action. This will range from receiving an “F” in the subject to university suspension.

### THEODORE MARIA SCHOOL OF ARTS Advising and Counseling 1/2025

All Arts students must meet their advisors before they pre-register for the **2/2025** semester. Students who fail to come for their advising and counseling session will not be allowed to register for **2/2025** during the pre-registration period.

Names of advisors for semester **1/2025** will be posted on the faculty website ([www.arts.au.edu](http://www.arts.au.edu)), and on the Department Boards at SM Bldg as well as announced on AU SPARK. Arts students are required to check their advisors’ names every semester and meet them before the pre-registration.