

**Assumption University  
Theodore Maria School of Arts  
Department of General Education  
Course Outline 3/2025**

**Course** : GE 2103 Art of Reasoning  
**Credit** : 3  
**Status** : Required Core Course, General Education Elective, and Free Elective  
**Prerequisite** : None  
**Lecturers** : Dr. Nath N.

**Course Description:** Fundamental analysis of logical elements and rational applications for daily life emphasizing on deductive and inductive methods of validity and fallacy

**Course Objectives:** Students will learn to...

- 1) Understand the general principles of logic,
- 2) Analyze various kinds of arguments,
- 3) Criticize the quality of arguments,
- 4) Apply reasoning skills to enhance communication skills.

**Teaching-Learning Activities:**

Lecture  
 Assignment  
 Discussion

**Course Components and Mark Allocation:**

Attendance	10%
Quizzes	40%
Group Work	25%
Final Examination	<u>25%</u>
<b>Total</b>	<b><u>100%</u></b>

**Remarks:**

**Attendance:** Class attendance and participation are mandatory. Students are expected not only to attend class, but also to participate in the learning activities from the beginning of the course.

**Dress code:** Students are obliged to follow the university regulations of uniform and dress code in attending any classroom and exam rooms (ref. <https://sa.au.edu/>).

<b>Evaluation:</b>	80 – 100 %	=	A
	78 – 79%	=	A-
	73 – 77 %	=	B+
	70 – 72 %	=	B
	68 – 69 %	=	B-
	63 – 67 %	=	C+
	60 – 62 %	=	C
	58 – 59 %	=	C-
	50 – 57 %	=	D
	Below 50 %	=	W

**Required Reading:** Digital files / handouts provided by lecturer

**Reference :**

Carlsen-Jones, M. (1983). *Introduction to Logic*. N.Y.: McGraw-Hill.  
 Copi, I. M. (1986). *Introduction to Logic*. N.Y.: MacMillan.  
 Inch, E. S. and Warnick, B. (1998). *Critical Thinking and Communication: The use of Reason in Argument*. Boston: Allyn and Bacon.  
 Harrison, F.R. (1992). *Logic and Rational Thought*. St. Paul, MN: West.  
 Hurley, P.J. (1988). *A Concise Introduction to Logic*. Belmont, California: Wadsworth.  
 Kelley, D. (1990). *The Art of Reasoning*. NY: WW Norton & Company.

**Schedule:**

<b>Class</b>	<b>Teaching – Learning Activities</b>
<b>1</b>	- Course Introduction - Historical background of logic - Argument analysis - Exercise
<b>2</b>	- Argument evaluation - Exercise
<b>3</b>	- Categorical logic theory - Terms and propositions - Euler's and Venn's diagrams
<b>4</b>	- Truth values - Square of Opposition - Quiz 1 (features of arguments)
<b>5</b>	- Syllogism - The six rules of deduction - Validation of syllogistic argument - Exercise
<b>6</b>	- Enthymeme - Evaluation of enthymeme arguments - Exercise
<b>7</b>	- Quiz 2 (categorical logic) - Group discussion 1 (enthymeme)
<b>8</b>	- Symbolic logic principles - Truth functions
<b>9</b>	- The logical formulae - Validation of symbolic logic arguments - Exercise
<b>10</b>	- Quiz 3 (symbolic logic) - Group project assignment
<b>11</b>	- Inductive arguments - Inductive methods
<b>12</b>	- Aspects of fallacies - Types of fallacies - Exercise
<b>13</b>	- Quiz 4 (induction and fallacies) - Group discussion 2 (Inductive argument evaluation)
<b>14</b>	- Group project presentation
<b>15</b>	- Review - Q & A - Make-up for quiz or assignment, if any

**LOCATION AND CONTACT INFORMATION****GENERAL EDUCATION (GE)**

Office Hours: 8.30 a.m. – 16.30 p.m. (Monday – Friday)  
Office Location: CL Building, 10<sup>th</sup> floor  
Telephone: 02-7832222 Ext.2485  
Email Address: general\_education@au.edu

### **Au VISION 2000**

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 citizen, 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.

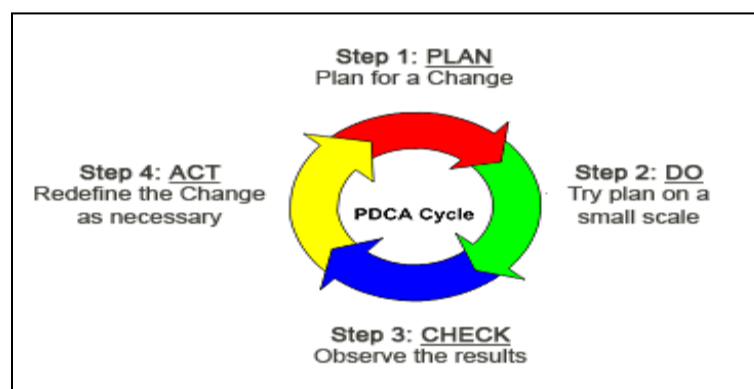


Figure 1: PDCA Cycle (<http://www.swopehealth.org>)

## THEODORE MARIA SCHOOL OF ARTS

### Advising and Counseling

All Arts students (Business English, Business French, Business Chinese, Business Japanese and English - Chinese for Digital Communication) must meet their advisors before they pre-register for the next semester. Students who fail to come for their advising and counseling session will not be allowed to register during the pre-registration period. Names of advisors will be posted on the faculty website ([www.arts.au.edu](http://www.arts.au.edu)), and on the Department Boards at SM Building as well as announced on AU SPARK application. Arts students are required to check their advisors' names every semester and meet them before the pre-registration.