Course Code: Hybrid Asia Exploration (HAx)	Semester: 1
Total Contact Hours: 29 hours	Academic Session: 2024

COURSE OUTLINE

Lecturer	:	Prof. Hiroyuki Ishizaki (SIT) / Dr. Maria Anityasari (ITS)
Room No.	:	Ishizaki: UTM KL MJIIT Building / Dr. Maria: ITS Surabaya
Telephone No.	:	Ishizaki: +60-18-215-6751 / Dr. Maria: +62-817-334-137
E-mail	:	ishizaki.hiroyuki.n3@sic.shibaura-it.ac.jp / int_off@its.ac.id
Date and Time.	:	Online: 14th June – 5th July 2024, 17:00-20:00 (GMT+9) / 16:00-19:00 (GMT+8), 15:00-18:00 (GMT+7). Hybrid: 16th September – 17th September 2024, 10:00 – 17:00 (GMT+9) / 09:00 – 16:00 (GMT+8) / 08:00 – 15:00 (GMT+7)
Zoom access	:	TBA
Synopsis	:	Technology is a strong driving force to solve social issues and move our civilization forward. Engineering education will contribute to create a better society around the world. Meanwhile, each country has its own culture, languages, history, ethnic groups, education, and technical advancement. It is essential to acquire application skills of engineering knowledge based on practical understanding of differences. Especially Asian region is so diverse with more than 4.6 billion populations in 48 countries and 3 territories (the United Nations). Communication under the multicultural environment is a vehicle to facilitate our collaboration. Curiosity and respect to other people is a motivator for life long learning.

In order to nurture such Asian talents, this course will provide opportunities to study cultures and technologies in 5 countries (Indonesia, Philippines, Thailand, Malaysia, and Japan) from 6 universities. Participants will develop technical knowledge, application methods, and teamwork spirit through lectures and group activities.

LEARNING OUTCOMES

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

No.	Course Learning Outcome	Programme Outcome	Taxonomies and Soft-Skills	Assessment Methods
CO1	Analyse technical advancement and social issues in various Asian countries and develop application skills	PO1, PO6	TBD	PR, ASG, Pr,
CO2	Enhance communication competency by practicing under multicultural settings and nurture teamwork skills and spirits	PO10	TBD	PR, ASG, Pr,
CO3	Identify the potentials for future technology application in the global setting and keep working together	PO12	TBD	PR, ASG, Pr,

(T –Test ; PR – Project ; Q – Quiz; HW – Homework ; ASG – Assignment; Pr – Presentation; F – Final Exam)

TEACHING METHODOLOGY
1. Lecture and tutorials
2. Individual and group assignments
3. Research and short report
4. Group presentation and slides

WEEKLY SCHEDULE

Class 1   14/06   **Introduction**
- Learning Objectives / Expected Outcomes of this cultural program
- Overview of the history and cultural/scientific development in Asia
- Main Coordinator: Ishizaki (SIT), Dr. Maria (ITS) and 6 hosting universities

Class 2 – 3   21/06   **Universiti Malaysia Perlis (UniMAP), Malaysia**
- Evolution of Robots: A Malaysian Perspective and Vision Ahead by Dr. Mohamad Ezral Baharudin

           Institut Teknologi Sepuluh Nopember (ITS), Indonesia
- Inter-human Processes: Dealing with Cultural Complexity and Change in Asian Context by Ms. Yuni Setyaningsih

Class 4 – 5   28/06   **Cebu Technological University (CTU), Philippines**
- Innovative Technology for Sustainability, Dr. Engr. Ronald Galindo

           King Mongkut's University of Technology Thonburi, (KMUTT), Thailand
- "Technologies for Point-of-Care Test", Dr. Tassaneewan Laksanasopin

Class 6 - 7   05/07   **Universiti Malaysia Terengganu (UMT), Malaysia**
- Technology Engineering "Electric Power: how *power* is it?", Assoc. Prof. Ts. Dr. Ahmad Nazri bin Dagang

           Shibaura Institute of Technology (SIT), Japan
- Japanese Technology & Engineering, application of Electronic Information Systems to social issues by Prof. Dr. Takumi Miyoshi

Class 8   12/07   **Selection for On-site Program**

Class 9 – 11   16/09   **Hybrid Program Online and On-site at Institute Teknologi Sepuluh Nopember**
Universiti Malaysia Perlis (UniMAP), Malaysia
- Malaysian Culture and History: A Northern Region Focus, Mr. Muhammad Izmer Yusof

           King Mongkut's University of Technology Thonburi, (KMUTT), Thailand
- Culture & history of Thailand, Asst. Prof. Dr. Passanan Assavarak

           Cebu Technological University (CTU), Philippines
- Culture & history of The Philippines by Dr. Alvin Lopez

Class 12 – 14   17/09   **Hybrid Program Online and On-site at Institut Teknologi Sepuluh Nopember**
- Understanding Technology Acceptance for Smart Farming by Dr. Arfan Fahmi

Universiti Malaysia Terengganu (UMT), Malaysia
- Malaysian culture and history: an Eastern region focus, Dr. Isma Rosila binti Ismail

Shibaura Institute of Technology (SIT), Japan
- Culture & history of Japan, Introduction of SIT, Visiting Prof. Hiroyuki Ishizaki

| Class 15 | 19/09 | **Hybrid Program Online and On-site at Institut Teknologi Sepuluh Nopember** |

- Group Presentation
- Reflection and Closing of the program

REFERENCES:
1. Fast-tracking the SDGs: Driving Asia-Pacific Transformations, © 2020 United Nations, Asian Development Bank, United Nations Development Programme (DOI: http://dx.doi.org/10.22617/SPR200149-2)
2. To be announced by each lecturer/coordinator

GRADING:

Item	Assessment Method	Total (%)
i	Individual report	60
ii	Group assignment	20
iii	Group presentation & slides	20
	Total	100

ASSESSMENT MATRIX:

ASSESSMENT MATRIX (THE ASSESSMENT MAPPING TO CO and PO)

ASSESSMENT METHOD		CO	TAXONOMY LEVEL AND SOFT SKILL	PO1 ENGINEERING KNOWLEDGE	PO6 THE ENGINEER & SOCIETY	PO10 COMMUNICATION	PO12 LIFE LONG LEARNING
COMPONENTS	GRADING						
i. Individual Report	**60%**	CO1	(TBD)	20%	20%		
		CO3	(TBD)			10%	10%
ii. Group Assignment (Essay)	**20%**	CO1	(TBD)		10%		
		CO2	(TBD)			5%	
		CO3	(TBD)				5%
iii. Final presentation & slides	**20%**	CO1	(TBD)	5%	10%		
		CO2	(TBD)			5%	
TOTAL MARKS				25%	40%	20%	15%

Remarks:
1. Certificate of Completion course, with the following details:
   - Those who satisfy the following requirements will receive a Certificate of Completion and a transcript.
   - More than 80% attendance during online meetings, full attendance during hybrid activities and submission of all assignments.
2. Certificate of Attendance course, with the following details:
   - Those who satisfy the following requirements will receive a Certificate of Attendance.
   - More than 80% attendance during online meetings and submission of all assignments