Course Code: Hybrid Asia Exploration (HAx) **Total Contact Hours: 29 hours**	**Semester: 1** **Academic Session: 2023**

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 & Time	:	Online: 16th June – 7th July 2023, 17:00-19:00 (GMT+9) / 16:00-18:00 (GMT+8), 15:00-18:00 (GMT+7). Hybrid: 18th September – 19th September 2023, 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 opportunitiesto 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

- Lecture and tutorials
- Individual and group assignments
- Research and short report
- Group presentation and slides

WEEKLY SCHEDULE

Class 1	16/06	**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	23/06	**Universiti Malaysia Perlis (UniMAP), Malaysia**) Evolution of Robots: A Malaysian Perspective and Vision Ahead, Dr. Mohamad Ezral Baharudin, Faculty of Mechanical Engineering Technology| | **King Mongkut's University of Technology Thonburi, (KMUTT), Thailand |**) "Technologies for Point-of-Care Test", Dr. Tassaneewan Laksanasopin| |
Class 4 – 5	30/06	**Cebu Technological University (CTU), Philippines**) Innovative Technology for Sustainability, Dr. Engr. Ronald Galindo| | **Institut Teknologi Sepuluh Nopember (ITS), Indonesia|**) Understanding Technology Advancement for Smart Farming by Industry Partner |
Class 6 - 7	07/07	**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	21/07	**Selection for On-site Program**
Class 9 – 11	18/09	**Hybrid Program Online and On-site at Institut Teknologi Sepuluh Nopember** **Universiti Malaysia Perlis (UniMAP), Malaysia**) Malaysian Culture and History: A Northern Region Focus, Mr Muhammad Izmer Yusof Lecturer, Faculty of Applied and Human Sciences.| | **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	19/09	**Hybrid Program Online and On-site at Institut Teknologi Sepuluh Nopember** **Institut Teknologi Sepuluh Nopember (ITS), Indonesia**) 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|

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Class 15 21/09 **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 DevelopmentBank, 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	PO6	PO10	PO12
COMPONENTS	GRADING			ENGINEERING KNOWLEDGE	THE ENGINEER & SOCIETY	COMMUNICATION	LIFE LONG LEARNING
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.