

Host: ATU-Net Mobility SIG	Page: 1 of 3
Course Code: Virtual Asia Exploration (VAX) Total Contact Hours: 28 hours	Semester: 2 Academic Session: 2020/2021

COURSE OUTLINE

Lecturer : Mr. Hiroyuki Ishizaki (SIT) / Dr. Maria Anityasari (ITS)

Room No. : Ishizaki: UTM KL MJIT 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 / international@its.ac.id

Date & Time : 27th May – 26th August 2021, 16:00-18:00 (GMT+9) / 14:00-16:00 (GMT+7)

Zoom Access : shorturl.at/euzYZ (Meeting ID: 972 161 9248, Passcode: ATUNet2021)

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 knowledges based on practical understanding about 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, the Philippines, Thailand, Malaysia, and Japan) from the faculties of ATU-Net member universities. Participants will develop technical knowledge, its 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	Program me 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	27/5	Introduction <ul style="list-style-type: none"> • 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	3/6	Universiti Malaysia Perlis (UniMAP), Malaysia 1 <ul style="list-style-type: none"> • Malaysian Culture and History: A Northern Region Focus, Mr Muhammad Izmer Yusof Lecturer, Faculty of Applied and Human Sciences
	10/6	UniMAP 2 <ul style="list-style-type: none"> • Evolution of Robots: A Malaysian Perspective and Vision Ahead, Dr. Mohamad Ezral Baharudin, Faculty of Mechanical Engineering Technology
Class 4-5	17/6	Cebu Technological University (CTU), The Philippines 1 <ul style="list-style-type: none"> • Culture & history of The Philippines by Dr. Bonifacio Amper
	24/6	CTU 2 <ul style="list-style-type: none"> • Innovative Technology for Sustainability, Dr. Engr. Ronald Galindo
Class 6-7	1/7	Universiti Malaysia Terengganu (UMT), Malaysia 1 <ul style="list-style-type: none"> • Knowing Terengganu Culture, East Malaysia and UMT, Dr. Isma Rosila binti Ismail
	8/7	UMT 2 <ul style="list-style-type: none"> • Technology Engineering “Electric Power: how <i>power</i> is it?”, Assoc. Prof. Ts. Dr. Ahmad Nazri bin Dagang
Class 8-9	15/7	King Mongkut’s University of Technology Thonburi, (KMUTT), Thailand 1 <ul style="list-style-type: none"> • Culture & history of Thailand, Introduction of KMUTT
	22/7	KMUTT 2 <ul style="list-style-type: none"> • Technology & Engineering in Thailand
Class 10-11	29/7	Institut Teknologi Sepuluh Nopember (ITS), Indonesia 1 <ul style="list-style-type: none"> • Culture & history of Indonesia, Virtual Surabaya City Tour, Fun Indonesian Language and Traditional Dance
	5/8	ITS 2 <ul style="list-style-type: none"> • Technology for Smart City, Assoc. Prof. Maria Anityasari, Ph.D.
Class 12-13	12/8	Shibaura Institute of Technology (SIT), Japan 1 <ul style="list-style-type: none"> • Culture & history of Japan, Introduction of SIT, Visiting Prof. Hiroyuki Ishizaki

19/8

SIT 2

- Japanese Technology & Engineering, application of Electronic Information Systems to social issues by Prof. Dr. Takumi MIYOSHI

Class 14

26/8

Summary & Final presentation

- Wrap up & review of this cultural program
- Group presentation

REFERENCES :

- 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>)
- 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	COMMUNICATIO	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 Attendance:

Participants with 60% attendance will receive a certificate of attendance from ATU-Net regardless of the completion of assignments and final presentation.

2. Certificate of Completion and Transcript:

Participants with more than 80% attendance and satisfaction of all assessment methods will receive a certification of completion and transcript from ATU-Net. It is discretion of each home university whether it will be transferred to their own credit or not.

Data:

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