马来西亚理工大学（Universiti Teknologi Malaysia, UTM）是马来西亚著名的国立大学之一。马来西亚理工大学在全球高校中占据着不可忽视的作用，发挥着引导研究的作用。其学科设置覆盖电机工程、化工与自然资源工程、环境建设、民用工程、医学工程、综合科学、管理与人力资源发展、教育等领域。在学术交流方面，与世界 50 多个学术机构进行合作和交流。作为马来西亚五大国立院校之一，马来西亚理工大学在2022年QS世界大学排名中位列第191位，本国排名第五名。除此之外，UTM连续多年被评为QS五星级大学。

2022年起，我校与马来西亚理工大学联合开展寒假硕士线上课程。

**UTM Virtual Winter School**

**“SS14: Accelerating Green Development in Asia”**

Universiti Teknologi Malaysia, Johor

**Program Dates:** 28 February 2022 – 11th March 2022, 10 days

**Program Timetable**: Monday to Friday, 2 classes per day

**Apply On-line at**: <https://www.utm.my/mytree/ss14/>

**Program fee: MYR 1,800 (Malaysia Ringgit)**

**Program Instructor (PI):** Prof Lee Chew Tin

**Class time**: (1st period) 9:00 to 10:30, (2nd period) 11:00 to 12:30 GMT+8 Malaysia Time

**Program Schedule**

\*Virtual Tour (*Conducted via short video clips and power-point slides)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week1 | Mon. | Tue. | Wed. | Thu. | Fri. | Sat. | Sun. |
| 9:00 to  10:30 | Course  Briefing &  Ice breaking | Lecture 1:  Glossary for  Sustainable  Development Goals | Lecture 2:  Glossary for  Low Carbon Economy | Lecture 3:  Competent  Writing Skills | Virtual  Tour2\*  Community  Composting in Johor | no class | no class |
| 11:00 to  12:30 | Group bonding | Multicultural Interaction | Virtual  Tour1\*:  UTM Green campus | Lecture 4:  Competent  Presentation  Skills | Virtual  Tour3\*  Aquaponics Project | no class | no class |
| Week2 | Mon. | Tue. | Wed. | Thu. | Fri. | Sat. | Sun. |
| 9:00 to  10:30 | Lecture 5:  Low Carbon  Iskandar  Malaysia | Lecture 6:  Sustainable  Consumption and  Production | Lecture 7: Towards  Green  University | Lecture 8:  Grooming  Future Green Champions | 9:00 to 11:30  Preparation for Group  Assignment &  Presentation, Team  Presentation    11:30 to  12:30 | no class | no class |
| 11:00 to  12:30 | Group Discussion | Group Discussion | Virtual  Tour4\* Malay  Cultural  Village | Group Discussion | no class | no class |

Closing

Ceremony

**Curriculum and Contents of the program**

-Lecture A in brown: This class complement the other core class, Lecture B, as an Integrated English course which is designed to provide students with an opportunity to improve the language and technical skills through a basic understanding of economic/environment/culture in Malaysia and low carbon economy.

-Lecture B in green: This class is a core class ***of Accelerating Green Development in Asia***.

**-Group Discussion: To be facilitated by trained UTM Buddies and monitored by Program Instructor.**

**Each group comprised of about 5-6 students from different nations/universities.**

**Target Number of students: 20 to 40,** Minimum of **12** students in total to run the program.

**Program fee:** Ringgit Malaysia **MYR 1,800** (included 6% service tax) in Malaysia Ringgit

**Payment method (Note: Please pay after receiving the Offer Letter)**:

**Important: Please pay AFTER receiving the Offer Letter, no refund will be handled.**

1. Via **Credit card, Paypal** at Flywire: <http://utsb-conf.flywire.com/>
2. **Payment Payment Type:** Conference/Seminar/Training; please choose **Seminar** **Participant ID:** **SS14 Vote1871\_Firstname of Payee**
3. Via **Bank Transfer**, **Participant ID**: **SS14 Vote1871\_Firstname of Payee**

|  |  |
| --- | --- |
| **Uni-Technologies Sdn Bhd**  Level 2, Industry Centre Building,  Technovation Park  Universiti Teknologi Malaysia  81310 UTM Skudai, Johor  **Tel.:** +607-558 1990  **Fax.:** +607-554 1990 | **Account Details:**  **Account Holder:** Uni-Technologies Sdn. Bhd.  **Bank** : CIMB Bank Berhad, Taman  Universiti, Skudai Branch  **Account No.:** 80-0605688-2  **Swift code** : CIBBMYKL |

**Payment due: 15 January 2022**

**Certificates and Evaluations:** Certification of Participation, Evaluation Score Slip, and Evaluation Rubrics will be provided during course briefing.

***Course contents Synopsis***

***Principal Instructor (PI): Prof Lee Chew Tin (E-mail: ctlee@utm.my)***

***Week 1***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Week1 | Mon. | Tue. | Wed. | Thu. | Fri. |
| 9:00 to 10:30 | Course Briefing | Lecture 1: Glossary for  Sustainable Development Goals (SDGs) | Lecture 2: Glossary for Low Carbon Economy | Lecture 3: Competent Writing Skills | Virtual Tour2\* Community Composting in Johor |
| 50 min lecture/tour, 10 min break, 30 min discussion/interaction with UTM buddies | PI will introduce about the course contents for **Week 1: Pre-course preparation** mainly focuses on the glossary and technical terms used for the SDGs and low carbon development. Explain on the overall course running and interaction with UTM buddies and evaluations criteria.    *The session is followed by 30 min discussion and Q and A.* | PI will explain a range of glossary and technical terms for the 17 goals in SDGs by providing more example for specific goals related to the course, e.g. SDG 11 and 12.    *Each talk is followed by 30 min breakout session discussion and interactive online quiz set by UTM buddies.* | PI will explain a range of glossary and technical terms for Low Carbon Economy Development in Iskandar Malaysia.  Calculation of greenhouse gases will be introduced.    *Each talk is followed by 30 min breakout session discussion and interactive online quiz set by UTM buddies.* | PI will explain the rules of thumbs to write a good technical articles:  Concise, informative, citations, logical flow and grammar check by software.    *Each talk is followed by 30 min breakout session discussion and interactive online quiz set by UTM buddies.* | Short videos & slides will be played to demo and explain the community composting project in Johor. Each short video and slides of about 10-20 min (3-4 videos) will be explained in detailed by the UTM buddies in the parallel meeting rooms by group for intensive discussion and understanding.    *Each talk is followed by 30 min breakout session discussion and interactive online quiz set by UTM buddies.* |
| 11:00 to  12:30 | Ice breaking and Group bonding | Multicultural Interaction | Virtual Tour1\*: UTM Green campus | Lecture 4: Competent Presentation Skills | Virtual Tour3\* Aquaponics  Project |
| 50 min  lecture/tour/activity, 10 min break, 30 min discussion/interaction with UTM buddies | Student joins parallel breakout session to join their respective group as assigned. Ice breaking and group bonding will be conducted by UTM buddies per group.    UTM buddies will brief and discuss on the Multicultural  Interaction program on Day 2. | Each group (mixed International and UTM buddies) will present different aspects of their nations, culture, language and home university.    Program will be monitored by PI. | Short videos & slides will be played to showcase the Green Campus of UTM. Each short video & slides of about 10-20 min (3-4 videos) will be explained in detailed by the UTM buddies in the parallel meeting rooms by group for intensive discussion and understanding.    *Each tour is followed by 30 min breakout session discussion and interactive online quiz set by UTM buddies.*    *Each tour will be supervised and monitor by*  *PI.* | PI will explain the rules of thumbs to prepare good presentation slides: attractive, info-graphical, citations, logical flow and  how to keep the audience attentive. Basic of presentation skills will be covered: using audio/video, intonation, gesture, eye contact, preparation, timing, etc.    *Each talk is followed by*  *30 min breakout session discussion and interactive online quiz set by UTM buddies.* | Short videos & slides will be played to showcase the Aquaponics project. Each short video and slides of about 10-20 min (3-4 videos) will be explained in detailed by the UTM buddies in the parallel meeting rooms by group for intensive discussion and understanding.    *Each virtual tour will be followed by discussion and online interactive quiz to test learning outcomes.*    *Each talk is followed by 30 min breakout session*  *discussion and interactive online quiz set by UTM buddies.* |

***Week 2***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Week2 | Mon. | Tue. | Wed. | Thu. | Fri. |
| 9:00 to 10:30 | Lecture 5: Low Carbon Iskandar Malaysia | Lecture 6: Sustainable  Consumption and Production (SCP) | Lecture 7:  Towards Green University | Lecture B8: Grooming Future Green Champions | 9:00 to 11:30  Group Assignment Team  Presentation    11:30 to 12:30  Closing Ceremony, Best  Group Awards, Awards of  Certificate of  Participations. |
| 50 min lecture,  10 min break,  30 min discussion/  Interaction with UTM buddies | PI or invited expert will explain about the Low Carbon Economy  Development in Iskandar Malaysia, including the policy and action plans for outreach to various stakeholders such as the local authorities.  *Each talk is followed by 30 min breakout session*  *discussion and interactive online quiz set by UTM buddies.* | PI will explain the best practices of SCP to achieve  SDG 12: Responsible  Consumption and Production.  Various case studies in South Each Asia, China and Japan will be shared.        *Each talk is followed by 30 min breakout session discussion*  *and interactive online quiz set by UTM buddies.* | PI will explain the best practices to achieve the goal and World Ranking as a Green Campus. The criteria/indicators for the Green Campus will be shared.    *Each talk is followed by 30 min breakout session*  *discussion and interactive online quiz set by UTM buddies.* | UTM Buddies will showcase how a range of green activities could be  organized and outreached by student society to  groom university graduate  as future Green Champions for the society and future career.  *Each talk is followed by 30 min breakout session*  *discussion and interactive quiz by UTM buddies.* |
| 11:00 to  12:30 | Group Discussion | Group Discussion | Virtual Tour4\* Malay Cultural Village | Group Discussion |
| 90 min of active  interaction in Breakout sessions. | *Breakout session for group assignment preparation with UTM Buddies.* | *Breakout session for group assignment preparation with UTM Buddies.* | Short videos & slides will be played to showcase Malay Cultural Village. Each short video & slides of about 10-20 min (3-4 videos) will be explained by the UTM buddies in the parallel meeting rooms by group discussion. *30 min Quiz.* | *Breakout session for group assignment preparation with UTM Buddies* | Group Assignment  Presentation will be evaluated by the  evaluation rubric as  explain during Course  Briefing on Day 1. At least two evaluators will be present. |