







#### PROGRAMME OUTLINE

The Engineering and Sustainability Summer School (ES3-2W) is a 2-week programme taking place at the Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia for the students of Chongqing University of Technology, China. Six courses are offered along with fun activities indoor and outdoor. Several visits to local and historical places around Bangi and Kuala Lumpur are also included. By joining this summer school, the students can learn the courses and more about Malaysian culture, disclosure to heritage as well as interact with local society.



# THE ES3-2W PROGRAMME INCLUDES THE FOLLOWING COURSES:

- 1. Accommodation at UKM colleges / partner halls
- 2. Meals during activities
- 3. Local and historical trips
- 4. Course materials and programme souvenirs
- 5. Welcoming event and closing dinner

#### **PROGRAMME FEE**

This 2-week programme costs RM3,500 per person (approximately \$690 USD) for the students of Chongqing University of Technology, China.

## **ES3-2W COURSES**

COURSE	DESCRIPTION
Food Engineering	The course discusses properties of food relevant to food processing, size reduction, transporting and mixing of solid and liquid food, heating and cooling of food, food freezing and sterilization.
Industrial Safety	This course focuses on methods to identify hazards and analyze and evaluate their adverse effects. Students will also be introduced to various methods of preventive and control against hazards.
Statistics	This course introduces statistics as one of the tools used in decision-making through data gathering and sampling including Bayes' Theorem, random data representation, discrete and continuous random variables.
Computing for Engineers	This course introduces the computer system and its applications in engineering. The concept of programming and its languages are included. MATLA or Excel VBA is ultised in this course.
Social, Economic, & Environmental Sustainability for the Next Generation	In this course, principles of sustainability will be discussed in regards to economy, society, and the environment. Other topics will be included i.e. the impact of pandemic on economy, sustainability in fashion and transportation.
Research Methodology	This course covers literature review, preparation, and initial research as well as report writing of chosen research topic; related to engineering. Other topics includes methodology, data analysis, discussion and results presentation.

## Tentative - Engineering and Sustainability Summer School

WEEK 1 Day 1			Day 2		
Monday	9.00am	Registration	Tuesday	9.00am	Lecture 1:
	10.00am	Welcoming Session		0.00000	Food Engineering
	11.00am 12.00pm	Ice Breaking Session/Games Program Briefing &		2.00pm	Malay Language
	12.00pm	Get to Know UKM and FKAB			
Day 3			Day 4		
Wednesdo	ıy 9.00am	Lecture 2: Industrial Safety	Thursday	9.00am	Lecture 3: Statistics
	2.00pm	Kayuhan Ceria (Fun Rides)		2.00pm	Must See Putrajaya + Kayaking
Day 5 Friday	9.00am	Breakfast at Pineapple Farm	Day 6 Saturday	9.00am	FKAB @ parkrun
Thady	2.00pm	Chem E Car	Jaioraay	7.00dm	поль в рагион
WEEK 2			Day 2		
Day 1		Lecture 4:	Day 2 Tuesday	9.00am	Lecture 5:
	9.00am	Lecture 4: Computing for Engineers	Day 2 Tuesday	9.00am	Lecture 5: Social, Economic, and
Day 1		Lecture 4: Computing for Engineers Night Market Experience		9.00am	
Day 1	9.00am	Computing for Engineers			Social, Economic, and Environmental Sustainability for the Next Generation
Day 1 Monday	9.00am	Computing for Engineers	Tuesday	9.00am 2.00pm	Social, Economic, and Environmental Sustainability
Day 1 Monday	9.00am 2.00pm	Computing for Engineers Night Market Experience	Tuesday  Day 4	2.00pm	Social, Economic, and Environmental Sustainability for the Next Generation Drone Race
Day 1 Monday	9.00am 2.00pm	Computing for Engineers Night Market Experience  Lecture 6:	Tuesday		Social, Economic, and Environmental Sustainability for the Next Generation
Day 1 Monday	9.00am 2.00pm	Computing for Engineers Night Market Experience	Tuesday  Day 4	2.00pm 9.00am	Social, Economic, and Environmental Sustainability for the Next Generation Drone Race  Must See Kuala Lumpur
Day 1 Monday	9.00am 2.00pm ay9.00am	Computing for Engineers Night Market Experience  Lecture 6: Research Methodology	Tuesday  Day 4	2.00pm 9.00am	Social, Economic, and Environmental Sustainability for the Next Generation Drone Race  Must See Kuala Lumpur

### **CONTACT US**

Postgraduate Talk - Siswazah

Dinner/ Closing Ceremony

2.00pm

8.00pm

Pejabat Mobiliti dan Kolaborasi (PMK)

Mobility and Collaboration Office

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