

**FACULTY OF ENGINEERING AND BUILT ENVIRONMENT
UNIVERSITI KEBANGSAAN MALAYSIA**

ENGINEERING & SUSTAINABILITY SUMMER SCHOOL

**PACKAGE A (ES3PA)
2 WEEKS PROGRAMME**



PROGRAMME OUTLINE

The Engineering and Sustainability Summer School (ES3) Package A is a 2-week programme taking place at the Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia. Two fundamental courses are offered inclusive of several visits to historical places around Kuala Lumpur and UKM Bangi. 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.

Key features of the programme:

- ✓ Interactive learning and experience
- ✓ Lively social events
- ✓ Exciting games

THE ES3PA PROGRAMME INCLUDES THE FOLLOWING COURSES:

STATISTICS

**RESEARCH
METHODOLOGY**

PROGRAMME FEE

This 2-week programme costs RM 2350 per person (approximately \$520 USD); inclusive of airport transfer, accommodation and trips organised by ES3PA.

ES3PA COURSES

COURSES	PROGRAMME OUTLINE
Statistics	<p>This course introduces statistics as one of the tools used in decision-making through data gathering and sampling. Amongst the main topics discussed are probability, Bayes' Theorem, random data representation, discrete and continuous random variables: probability density function, cumulative distribution function, mean and variance, point and interval estimation, test of significance and hypothesis testing, nonparametric tests, regression and correlation and quality control.</p>
Research Methodology	<p>The objective of this course is to train the student to start the research works. The research project consists of data and design analysis. Each student should prepare a complete interim report comprises of objectives of the research, problem of statement, literature review and research methodology.</p>

CONTACT US

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Tentative Engineering & Sustainability Summer School Package A (ES3PA)

WEEK 1

Day 1

Monday 9.00 am Check in / Registration
 10.00 am Welcoming Session
 11.00 am Ice Breaking Session/Games
 12.00 pm Program Briefing & Get to Know UKM and FKAB

Day 2

Tuesday 9.00 am Lecture 1: Statistics
 2.00 pm Waste Discovery

Day 3

Wednesday 9.00 am Lecture 2: Statistics
 2.00 pm Kayuhan Ceria

Day 4

Thursday 9.00 am Lecture 3: Statistics
 2.00 pm Replanting - Carbon Footprint & Taman Lestari

Day 5

Friday 9.00 am Lecture 4: Statistics

Day 6

Saturday 6.00 am Broga Hill Sunrise
 2.00 pm Café-hopping (Optional)

WEEK 2

Day 1

Monday 9.00 am Lecture 5:
 Research Methodology
 2.00 pm Must See Putrajaya

Day 2

Tuesday 9.00 am Lecture 6:
 Research Methodology

Day 3

Wednesday 9.00 am Lecture 7:
 Research Methodology
 2.00 pm Must see Kuala Lumpur

Day 4

Thursday 9.00 am Lecture 8:
 Research Methodology

Day 5

Friday 9.00 am Postgraduate Talk:
 Siswazah
 8.00 pm Dinner / Closing Ceremony

Day 6

Saturday 9.00 am Checkout

