

Universiti Kebangsaan Malaysia (UKM) is one of twenty public universities in Malaysia. It was established on 18th May 1970. UKM is one of the leading universities in Malaysia and has been designated as a Research University by the Government of Malaysia since 2007.

The main campus, spanning an area of about 1,100 hectares, is in Bandar Baru Bangi, approximately 35 kilometres from Kuala Lumpur, strategically located close to the main gateway to Malaysia, the Kuala Lumpur International Airport.

UKM offers an excellent environment for academic activities with modern campus facilities. This academic institution was born from the aspiration of the people to uphold the Malay language as the national language as well as the language of knowledge.

UKM has grown rapidly and now has 13 faculties, 13 research institutes of excellence education, and 2 commercial entities which are UKM Holding Sdn. Bhd and UKM Technology Sdn. Bhd.

For further information, please visit: www.ukm.my

FACULTY OF ENGINEERING AND BUILT ENVIRONMENT (FKAB) was established on 1st May 1978. It has five departments:

- Department of Electrical Electronics & Systems Engineering (JKEES)
- Department of Mechanical & Material Engineering (JKMB)
- Department of Civil & Structural Engineering (JKAS)
- Department of Chemical & Process (JKKP)
- Department of Architecture (JSB)

The Faculty of Engineering offered the Bachelor of Engineering degree programmes, the Masters and Doctorate programmes.

For futher information, please visit: $\underline{www.ukm.my/jurutera}$



ACADEMIC CALENDER

The Academic Year is divided into a winter semester and a summer semester.

Winter Semester:

 $September\ to\ February$

(Application deadline: 15th May)

Summer Semester:

March to July

(Application deadline: 15th October)

INTERESTED?

Do not hesitate to file your application. We have an International office at Germany, University Duisburg-Essen. Get more details and contact us.

We look forward to hear from you.

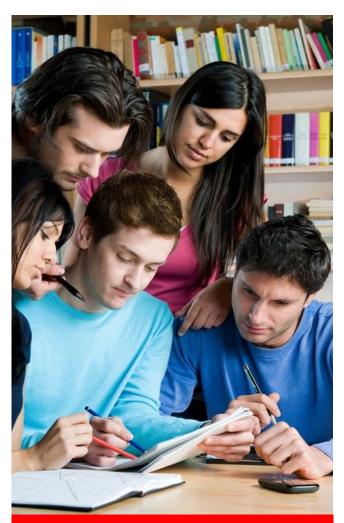


UKM International Office at UDE

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www.uni-due.de/iw/ukm





Engineering Courses for Exchange Students

Undergraduate

UKM International Office

FACULTY OF ENGINEERING AND **BUILT ENVIRONMENT (FKAB)**

♦ Department of Electrical Electronics & Systems Engineering (JKEES)

Electrical & Electronics Engineering (B.ENG)

Electronic & Communication Engineering (B.ENG)

Head of Department: Prof. Dr. Norbahiah Misran

(kjkees@ukm.edu.my)

Winter Semester : Engineering Mathematics 3 (Differential

Equation)

Analogue Electronics Signal and System

Statistics and Numerical Method Measurements and Instrumentation

Electrical Machine

Electrical Power Generation and Energy

Conversion Power Electronics Control System Design

Power System Protection and Safety

Biosignal and System

Complex Analysis Summer Semester:

Digital Electronics

Electromagnetic Fields and Waves

Communication Theory Control Engineering Power Engineering Digital Signal Processing

System Design

Engineering Economics and Cost Accounting

Power System Analysis

Power Quality

Computer Controlled Systems

♦ Department of Mechanical & Material Engineering (JKMB)

Mechanical Engineering (B.ENG)

Manufacturing Engineering (B.ENG)

Head of Department: Prof. Madya Dr. Zainuddin Sajuri

(kjkmb@ukm.edu.my)

Engineering Mathematics 3 (Differential Winter Semester :

Equation)

Thermodynamics and Heat Transfer

Mechanical and Electrical Engineering Tools

Mechanic of Materials

Engineering Ethics & Technology Development

Numerical Methods Heat System

Analysis of Mechanical Components

Mechanical Vibration

Production Planning and Control

Engineering Statistic Summer Semester:

Measurement and Instrumentation

Manufacturing Processes

Fluid Mechanic

Engineering Dynamics

Machine and Electronics Power

System Dynamics and Control Engineering

Quality Management

Computer Aided Applications

Fluid Dynamics Project Management

◆ Department of Civil & Structural Engineering (JKAS)

Civil & Structural Engineering (B.ENG)

Civil & Environmental (B.ENG)

Prof. Madya Ir. Dr. Othman Jaafar Head of Department:

(kjkas@ukm.edu.my)

Winter Semester : Geology and Soil Mechanics

Mechanics of Materials

Civil Engineering Materials and Technology Engineering Mathematics 3 (Differential

Equation)

Engineering Ethics and Technology

Development

Construction Management Transportation Engineering Reinforced Concrete Design Integrated Design Project 1

Summer Semester: **Engineering Statistics**

Structural Analysis

Engineering Hydrology and Water Resources Environmental Engineering for Civil Engineer

Geotechnics

Numerical Analysis and Calculation Methods

Open Channel Hydraulics Steel Structure Design Project Management **Highway Engineering** Integrated Design Project 2

♦ Department of Chemical & Process (JKKP)

Chemical & Process Engineering (B.ENG)

Biochemical Engineering (B.ENG)

Prof. Ir. Dr. Siti Rozaimah Sheikh Abdullah Head of Department:

(kjkas@ukm.edu.my)

Winter Semester : Engineering Mathematics 3 (Differential

> Equation) Fluid Mechanics

Cell Biology for Engineers

Chemical Engineering Thermodynamics 2 Engineering Ethics and Technological

Development

Separation Processes 1

Chemical Reaction Engineering 2

Biochemical and Biomolecular Engineering

Industrial Safety Process Plant Design

Pollution Control and Cleaner Production

Process Plant Design Project 1

Summer Semester: **Engineering Statistics**

Heat and Mass Transfer

Chemical Reaction Engineering 1 Computer Aided Plant Design

Separation Processes 2

Utility and Pressure Vessel Design Process Dynamics and Control

Process Modelling and Numerical Simulation

Engineering Management

Process Plant Design Project 2