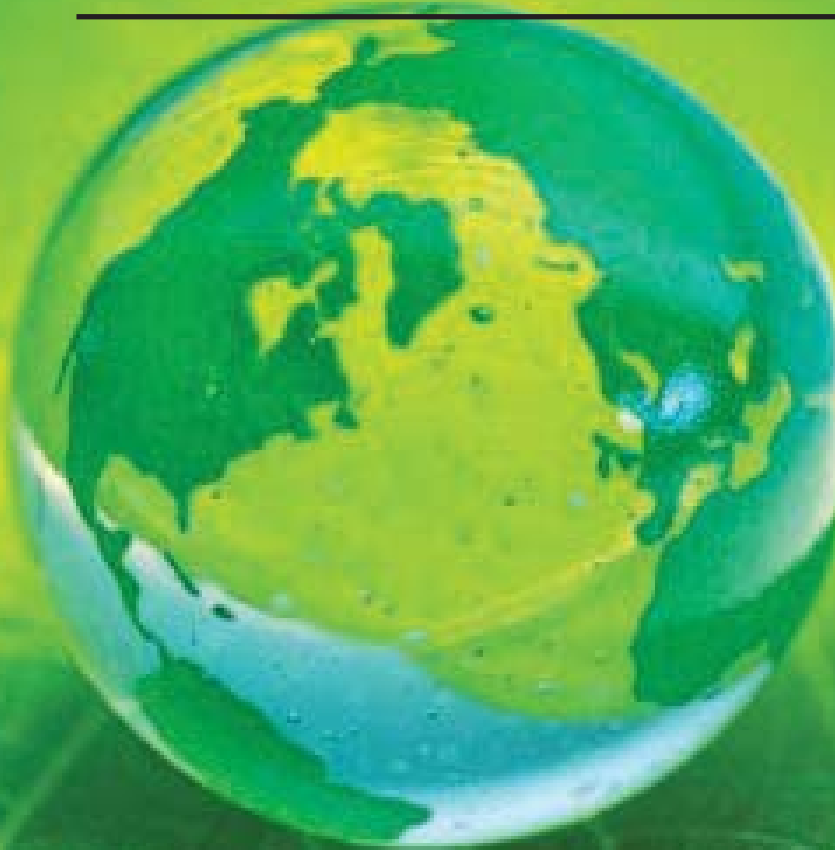


OUR ACADEMIC REPORT



“UTM-FKA is the top 101-150 in 2013 QS World University Rankings by Subject 2013 - Engineering - Civil & Structural.”

-Source : Web Page of QS World University Rankings at <http://www.topuniversities.com/university-rankings/university-subject-rankings/2013/engineering-civil-and-structural>

Our Academic Report

Undergraduate Courses

Overview

UTM-FKA was the first faculty of civil engineering in Malaysia to obtain ISO 9002 certification for its undergraduate academic management in the year 2000. Managed by the Deputy Dean (Academic), the academic division was established to ensure quality in teaching and learning management system to assist lecturers, students and external corporations in organizing academic related activities.

Other responsibilities of the academic division includes the preparation of time table and examination, managing teaching evaluation activity and other support activities, such as marketing of programmes, managing students' projects, industrial training, students' society and club activities.

Programme Offered

Programme offered at undergraduate level is The Bachelor of Engineering (Civil). Civil engineering covers wide area of study includes design, construction and maintenance of the physical and natural built environment, water resources management, water works, waste management and environmental pollution control. The programme is designed to produce holistic engineers with strong fundamentals in civil engineering, and generic skills to allow them to work in a large and diverse range of industries. To ensure these, students are encouraged to involve with academic enhancement programmes such as discussions and outdoor activities.

Our students are anticipated to graduate on time (GoT), i.e. within the time frame of 4 years to indicate excellence, although an extension of time can be granted to those with critical academic, health or disciplinary problems. Students' performance monitoring throughout 4 years of their stay was done through their academic advisors. To realize this expectation, UTM-FKA monitors students' workload or Student Learning Time (SLT) and the distribution of courses in the curriculum. Our target performance indicator for GoT is set very high at 90%, in anticipation of the aspiration of the Faculty to continually improve.

In order to maintain excellent performance of GoT, a measure to monitor KB Clean on regular basis is conducted. The result status of KB Clean means a student has a good pass (Keputusan Baik) in all courses taken in the semester, surpassing the overall CGPA of 2.00. Mechanisms adopted to monitor students' achievement are through their Academic Advisors and academic enhancement programmes, such as Program Pembangunan Pelajar Cemerlang (PPC) and Pembangunan Pelajar Berpotensi (PPB).

Programme Mode

The B.Eng (Civil) programme is offered either on full-time or part-time basis. The full-time programme is the main programme, offered by the Faculty while the part-time programme is offered by the UTM-School of Professional and Continuing Education (UTM-SPACE).

The full-time programme is offered only at the Main Campus in Skudai while the part-time programme is offered to 8 centers located in various part of the country. UTM-FKA and UTM-SPACE work hand-in-hand to provide the highest standards of quality in delivering the part-time programme, such that both programmes are equivalent, in terms of quality. Hence, both programmes are accredited by the EAC from Board of Engineers, Malaysia (BEM).



Figure 5.1: UTM-SPACE centers location

Our Academic Report

Post Graduate Courses

Overview

Managed by The Deputy Dean (Research and Graduate Studies), research and graduate programmes at the faculty are offered at three centres; UTM Johor Bahru Campus, UTM International Campus in Kuala Lumpur, and Melaka.

The postgraduate programmes in Civil Engineering are conducted to enhance the knowledge of the professionals and to develop innovative skills of the graduates. The course is also designed to provide skills for continuing studies and research in respective areas.

Programme Offered

The graduate programmes and fields of specialization offered by The Department of Postgraduate Studies at FKA are: Civil Engineering, Structures and Materials, Geotechnical Engineering, Transportation and Highway Engineering, Hydraulics and Hydrology, Hydrology and Water Resources, Coastal and Maritime, Environmental and Wastewater Engineering and Management, Construction Management and Technology, and Project Management. At Masters level, graduate programmes offered are Master of Engineering (M.Eng), Master of Science (M.Sc) and Master of Project Management. Meanwhile, for postgraduate programmes at Doctorate levels are Doctor of Philosophy (Phd) and Engineering Doctorate (Eng.D).

Engineering Doctorate (Eng.D) degree is offered only in the field of Construction Technology and Management. The student is expected to carry out most of his research at his organization. As for Doctor of Philosophy (Phd) programme, a student may carry out research in any of the research areas as stated in the Areas of Research Section. The progress of the student is assessed each semester through progress reports. A lecturer or a panel of lecturers appointed by the faculty will supervise their research work.

Programme Mode

In Skudai main campus, students may choose to accomplish their graduate studies either in full-time or part-time basis and applies to all programmes of study. In order to cater for off-campus students opting to follow the programme on part-time basis, the programme is offered at a selected centre, which is currently at the UTM International Campus, Kuala Lumpur. It is conducted on part-time basis where lectures are conducted at weekends. Another off-campus programme is the special programme which is offered to special groups of students in collaboration with companies or any specific organisation. The field of study is usually tailored towards the needs of the companies. The special programme is usually conducted on part-time basis at the company's premise or at a selected centre.

Modes of study for the Masters degree programmes are either by full taught course, by combination of taught course and research (mixed mode), or by full research. Modes for the Engineering Doctorate programme is a combination of taught course and research while Doctor of Philosophy programme is conducted by research. The research mode programme is also conducted in collaboration with the industry, in which a research student is jointly supervised by an academic staff in the faculty and a supervisor in the industry who has experiences in research. They are mostly focused on industry-related applications supported by strong fundamental research collaborations with internationally acclaimed graduate faculty and adjunct staff.



Students enrollment

UTM-FKA is the largest producer of civil engineers in Malaysia. Since its establishment in 1975, FKA has produced 8,089 Bachelors degree, 942 Masters and 102 Ph.Ds graduates. Many of these graduates now hold prominent positions in various organizations both in the public and the private sectors.

Currently for 2012/2013 enrollment, UTM-FKA is housing about 1918 students, of which 30% are Masters and 17% are Doctoral students. There is a decrease 8% in the number of undergraduate students for 2012 intake, which is in alignment with the RU policy of maintaining excellent staff to student ratio for undergraduates to create a good balance between the number of undergraduate and postgraduate students.

We are very proud to be the faculty with the highest number of international students pursuing Civil Engineering in Malaysia. Beside our local nations, FKA also hosting foreign students mainly from Indonesia, Pakistan, Bangladesh and some Middle Eastern and African countries who enrolled in undergraduate and postgraduate studies in various fields in civil engineering.

There are about 39% of foreign students registered in UTM-FKA postgraduate course come from Asian continental (87%) and Africa continental (13%).

The number of students undergoing UTMSPACE programme during 2011 is 605.

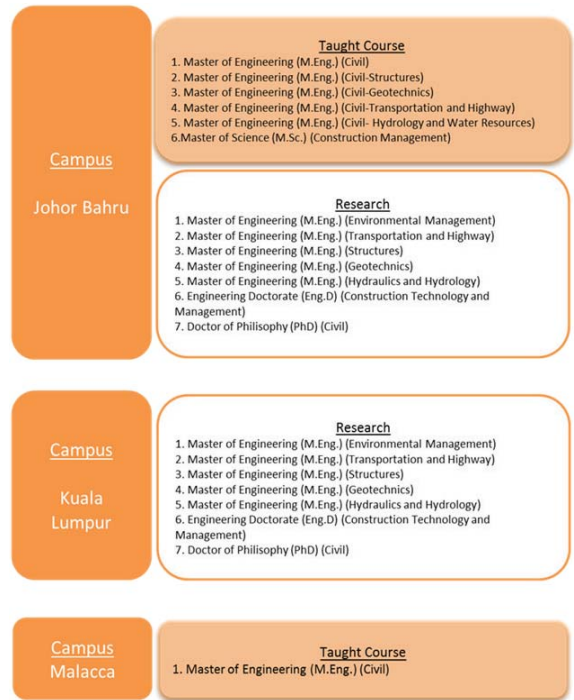
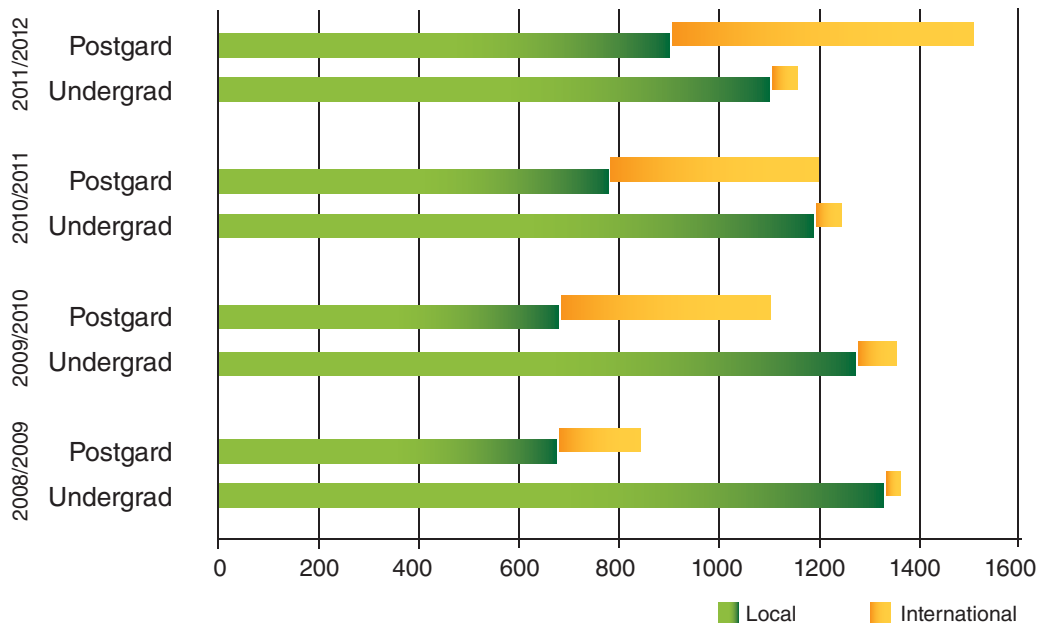


Figure 5.2: Programme mode available for each programme offered



Undergraduates and Postgraduates Enrolment

