

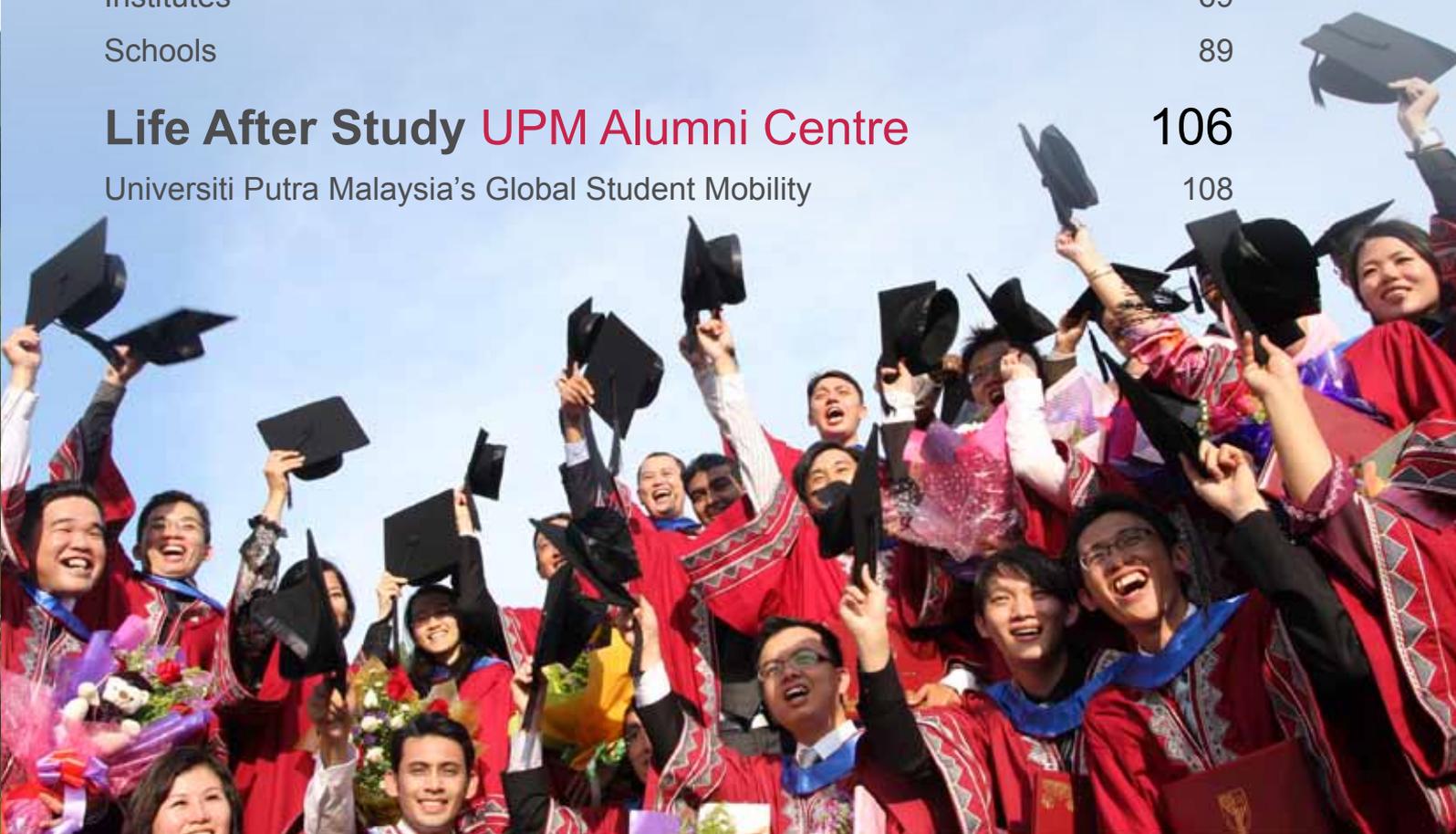
A Warm Welcome!

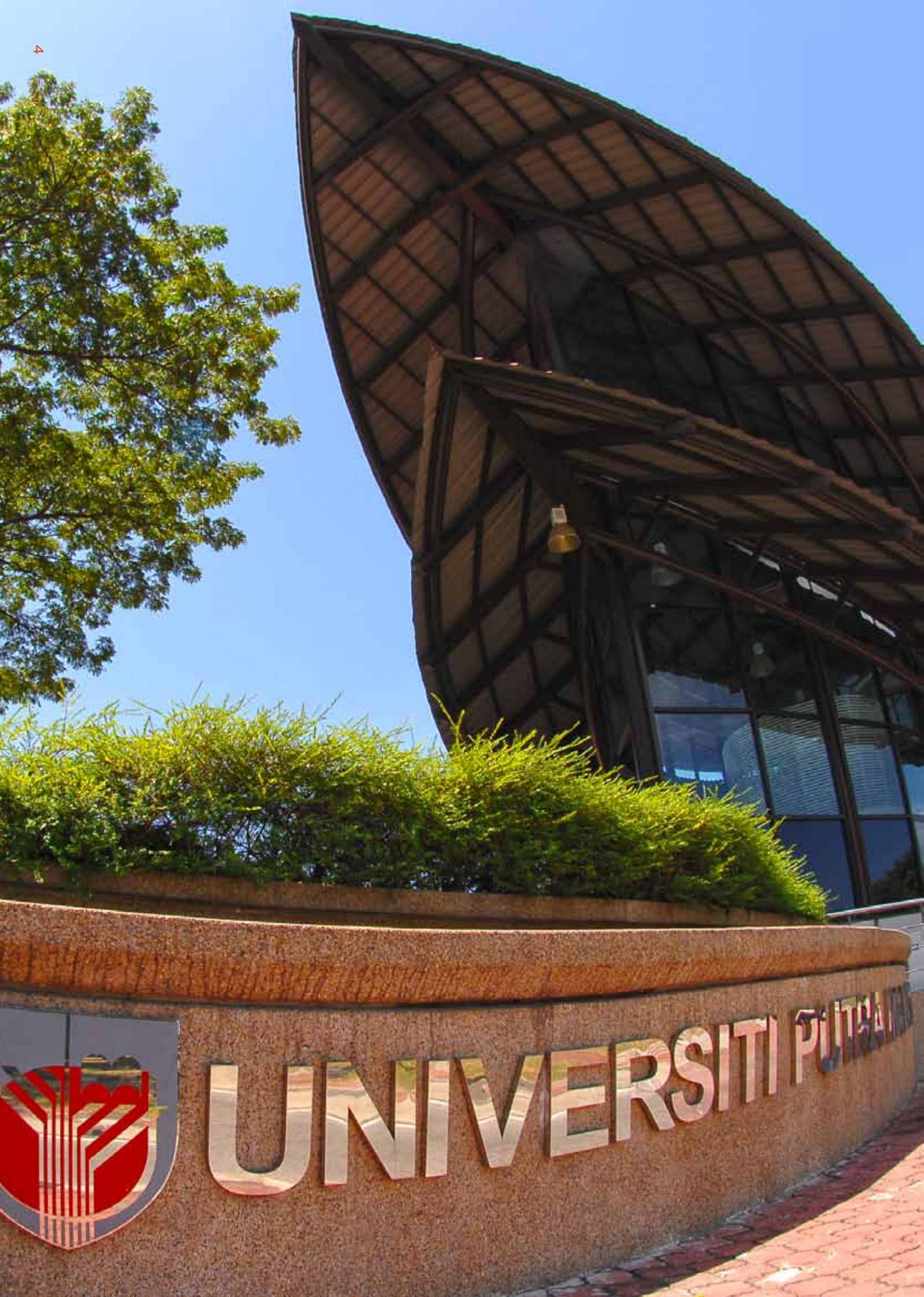




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UNIVERSITI PADJADJARAN



Message from the Vice Chancellor

It is gratifying to see Universiti Putra Malaysia maturing into a competitive world-class research university that provides endless opportunities to those who seek them. This is the learning place that moulds young adults, who first learn to enrich themselves with knowledge, after which, they will proceed to carve a name for themselves in society and the nation. So it is with great pleasure that I welcome you to an institution of higher learning that offers high quality education, cutting edge research and highly qualified academic staff. With UPM, you will benefit from its legacy of knowledge and be inspired by a vision of excellence.

UPM's Strategic Plan for 2011-2013 sees the university taking its responsibility seriously. While playing a significant role in shaping the future of young minds, UPM constantly improves itself by identifying 42 Key Performance Indicators (KPI) under its Strategic Plans. The KPIs are assessed quarterly to evaluate their practicality, efficiency and effectiveness. Students can be sure that they are receiving only the best as our Strategic Plans benefit them the most.

I am happy to share that UPM produced 369 PhD students in 2011 alone, the highest annual total in its history. I highlight this achievement as testimony of our commitment to quality postgraduate studies and to salute the students who accepted the challenge to improve themselves before taking on the role to contribute to society. I am also proud UPM's Graduate Employability index, monitoring graduates gainfully employed within six months of graduation, rose to 75.3% in 2011 from 74.1% in 2010. Undoubtedly, the numbers demonstrate employers' confidence in UPM graduates.

Also, our UPM Alumni contributed RM5.97 million to the university in 2011 compared to RM800,000 in 2010, a clear indication of how successful our students have been in society. They have the desire to help current students in the university, thus the funds will be channelled to improve the services on campus and for student scholarships.

Looking forward, and inspired by our Vision of Excellence, our aspirations are to achieve more for our students and the country. We champion education here because our students who graduate from UPM will in turn stride into the future as leaders of industry and society.



Ir. Radin Umar bin Radin Sohadi

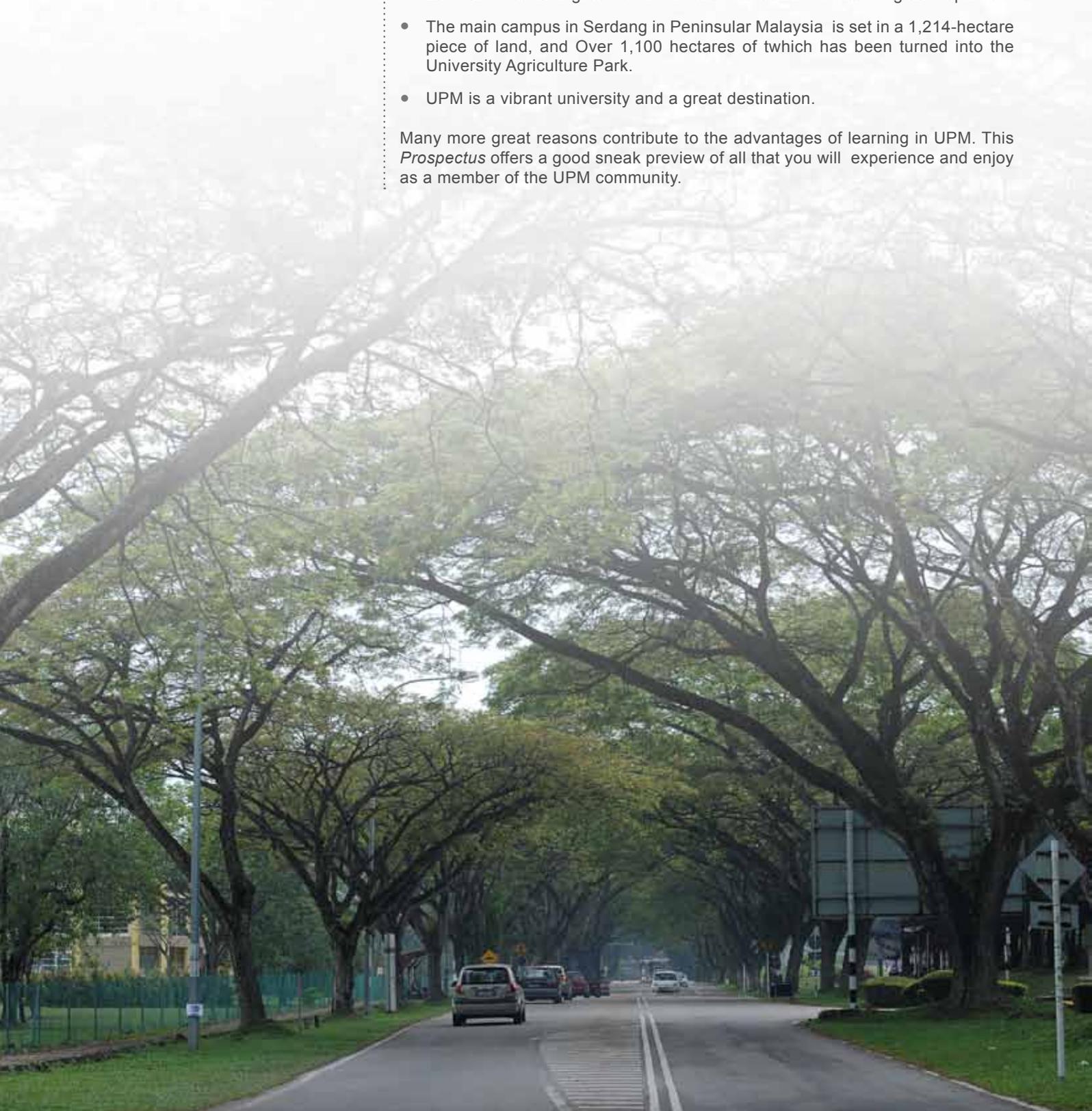
Getting To Know UPM

Being a student in Universiti Putra Malaysia (UPM) is to be part of a leading multi-disciplinary, research-intensive university of international repute. The University offers a diverse range of high quality and world class programmes while maintaining excellence in academic pursuits.

There are many reasons that make studying in UPM unique and special. To highlight a few:

- A wide choice of 68 undergraduate programmes and over 400 fields of postgraduate studies.
- Almost 30,000 student population with about 10% international students from 60 countries.
- Top notch amenities and facilities for a wonderful student lifestyle.
- Lush and beautiful green environment for a conducive learning atmosphere.
- The main campus in Serdang in Peninsular Malaysia is set in a 1,214-hectare piece of land, and Over 1,100 hectares of twchich has been turned into the University Agriculture Park.
- UPM is a vibrant university and a great destination.

Many more great reasons contribute to the advantages of learning in UPM. This *Prospectus* offers a good sneak preview of all that you will experience and enjoy as a member of the UPM community.



Name with a Touch of Royalty

Universiti Putra Malaysia (UPM) before April 1997, was known as Universiti Pertanian Malaysia. The change of name was timely. The country was developing rapidly and an institution of higher learning needed to evolve with the times. “Putra” serves as a tribute to the founding father of the country - the first Prime Minister of Malaysia, Tengku Abdul Rahman Putra, who was also a prince.

“Putra” is befitting in many ways. The name signifies youthfulness and eagerness in exploration. As the nation moved forward boldly, Universiti Putra Malaysia was at every step of the way, contributing to the advancement of the country.

Just as how the name denotes the characteristics of “Putra”, UPM is creative, innovative and resourceful, especially in the new world of modern, space-age technology. Simultaneously, intense focus is also given to land resource and bio-based food, and medicine from the nation’s vast, virgin jungles.

“Putra” offers a wide range of choices, making UPM a multi-disciplinary institution of higher learning with an exciting range of science and arts-based disciplines.



TOP 10 REASONS

Why You Should Study in UPM

- 1** The FIRST to offer an agricultural programme in Malaysia nearly eight decades ago.
- 2** The FIRST to offer Veterinary, Bioscience, Biotech, Food Science & Technology, and Forestry programmes in Malaysia.
- 3** The FIRST two winners of the national science award were UPM professors.
- 4** A UPM professor was the first in Asia to win the UNESCO Carlos J. Finlay Award in Microbiology.
- 5** 50% of Malaysians listed as top OIC scientists are from UPM.
- 6** UPM produces the highest number of PhD students
- 7** More than half of the commercialised R&D products (20) in Malaysia come from UPM.
- 8** UPM received the highest amount and number of research grants in the last 20 years
- 9** The only certified Halal Product Research Institute in Malaysia is at UPM.
- 10** The First and only International Biomass Technology Centre in the country undertaking R&D in tropical biomass.

The Future Is Here

Learning • As evidenced in history, UPM enjoys the reputation of being an academic trendsetter. In the recent past, new faculties relevant to national and global needs were set up accordingly. This institution of higher learning offers a dynamic learning culture that encourages innovation and creativity in its purest sense.

Dynamic teaching practices are also employed by highly qualified academic staff, many of whom are internationally recognised as leaders in their fields. The teaching process is supported by state-of-the-art classrooms and laboratories.

Experience • Modern infrastructure in accommodation, facilities and fibre optic communication system enable students to experience a lifestyle that is comfortable, affordable and conducive to learning. Students do not merely gain valuable knowledge, but also learn soft skills, social activities, recreation and other varied interests.

Outside of academic pursuits, UPM is located in a country that offers rich cultural and natural diversity, a valuable experience in itself.

Into The Future • The learning and experience gained in UPM prepare graduates to enter the work force comfortably. UPM graduates are much sought after and within months of leaving, most graduates are already employed. Many do remain to continue their education in specialised fields.

The support and network gained at UPM Alumni makes moving into the future easy as tens of thousands of alumni members live all over the world. They provide valuable help and are always willing to assist graduates achieve career success.



A Vibrant Student Lifestyle

In UPM, it is all about you. The campus is equipped with facilities and designed to make student life easy yet highly interesting. UPM encourages students to not just embrace academic excellence but also to be involved in varied social interests and extra curricular activities so as to develop themselves to be learned, informed and all-rounded individuals.

Activities

Many extra curricular activities are available for UPM students. They range from sports clubs, associations, unions, to arts culture and performing arts, groups and many other associations. Most students are able to find something they can relate to or build interest in, something they may learn to love. A few have taken the lead to start new clubs that meet ever-evolving needs.

Sports Clubs

UPM is equipped with quality and world class sports facilities on campus. These include a sports complex with a main stadium for track and field, a multipurpose hall for indoor games, and facilities for other sports. Adding to

the list are the Olympic-size swimming pool, tennis courts and a hockey field.

Martial Arts

A unique extra-curricular sporting activity and not commonly found elsewhere is martial arts that originated from the traditional Malay art of self-defence

Associations / Clubs in Union House

Common interests bring students together through the various clubs and societies in UPM. They range from religion, uniformed society, outing activities, hobbies and others.

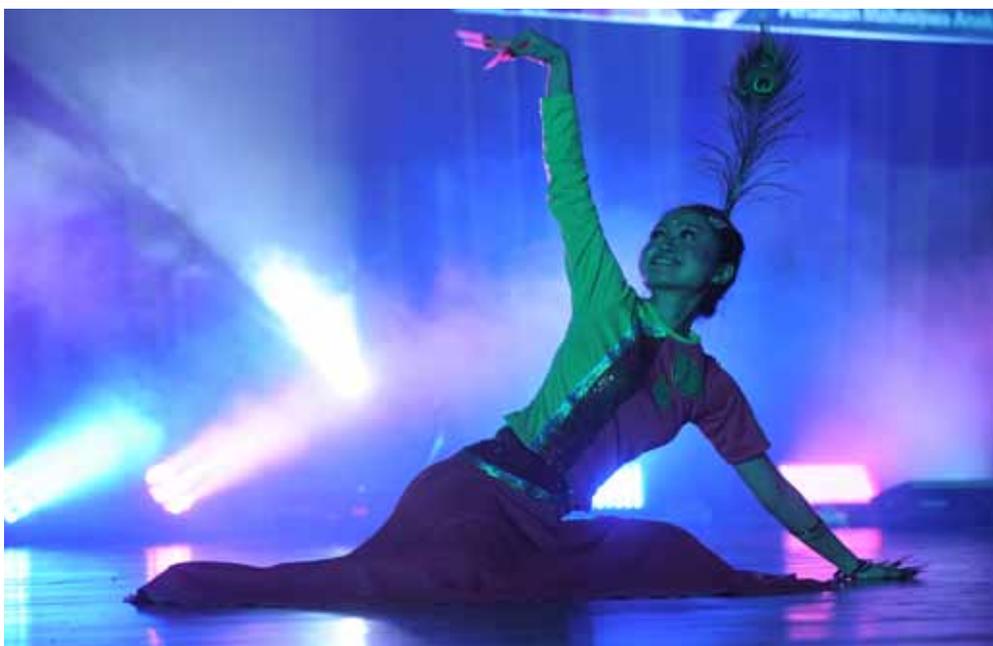
Pandu Puteri Club • Association of QKP Students • Association of Golden Key National Honour Malaysia UPM • Akhbar Mahasiswa Club • Gabungan Mahasiswa Sarawak • Perwakilan Mahasiswa Sabah • Nahwar Nur Club • Association of Hindus • Association of Buddhists • Association of Seni Silat Lincah • Association of Shito-Ryu Karate-Do • Association of Seni Silat Cekak • Association of Tae Kwan Do • Association of Pentas • Association of Christians • Association of Catholics



Associations of Arts, Culture and Rakan Muda

UPM students celebrate their rich and colourful cultures through the various arts and culture associations. Driven by passion and interest, students are exposed to traditional dances, performing arts, music, literature, and other forms of the humanities. Most of these clubs have public performances that are open to the public at least once a year.

Badan Kesenian Uniputra (Seni Tari) • Penggiat Teater Sejangat (PENTAS) • Caklempong Club • Kompong Seni Warisan Club • Band Club • Kijang Emas (Dikir Barat) Club • Nasyid Nahwan Nur Club • Pantun dan Puisi Club • Choir Club • Rebana Ubi Club • Gendang Uniputra Club • Tarian Klasik India (Putra Kalashektra) Club • Rakan Muda Secretariat



Facilities & Amenities

UPM is a complete university that makes students' life easy and comfortable, be it in infrastructure, accommodation or just to head out to a place to chill out. Students will find all they need on campus.



Transportation

Students' transportation inside and outside of campus is well taken care of via the UPM coach service. Each student pays RM75 (approximately USD 20) per semester for unlimited rides during the period. UPM's Student Affairs Division has also allocated more than 20 University buses to cater to students' academic and co-curricular activities outside the campus.

Food & Drinks

There are many cafeterias, restaurants and food stalls available within the campus and in the surrounding neighbourhood. Food can be obtained at any hour. In addition to the cafeterias in faculties, many eat-outs in the vicinity are open 24 hours. Fast food outlets are also available in the vicinity, namely McDonalds, KFC, Ayamas, Marrybrown.



Health & Welfare

All international students are eligible for outpatient clinic service provided at the University Health Centre, which is located on campus. The health centre provides a comprehensive array of health services and is well-equipped with modern health facilities and pharmaceutical amenities, which enable efficient provision of effective health and dental services to all registered students. Among facilities and services available at the centre are medical, dental, x-ray, physiotherapy, ambulance service, dispensary, laboratory and many more.





IT Facility

UPM's IT infrastructure enables a range of facilities and services to assist students with their IT-related needs. Wireless hotspots are located across the University, providing access to the Internet and other online resources including Library e-resources/e-journals and student portals.

U-Spot

- wireless internet hot spot for students

Sports & Recreation

UPM's sports facilities are numerous and are aimed at encouraging and supporting its students in their sports initiative. UPM's commitment to sports can be seen by the dedicated block for athletes, built at the University's Sixth College. UPM also has a swimming pool, a sports complex with a main stadium for track and field events, and a multipurpose hall for indoor games such as squash, netball, sepak takraw, volleyball, basketball and others.

Amenities

Basic amenities available within the campus include the post office, bank, bookshop, optical shop and canteen.

- i) mobile communication kiosk
- ii) tailor
- iii) driving school registration





Accommodation

The accommodation provided on-campus gives great value-for-money and is located in close proximity to campus facilities, transport and other important consumer services.

There are two (2) types of accommodation within the UPM campus, which are available for international students, including International Transit House (ITH), with 2-room, 1-bathroom flats and Residential Colleges, offering twin-share rooms with common facilities.

International students are advised to reserve their accommodation before coming to Malaysia as apartments in the ITH and rooms in residential colleges are limited.





Perpustakaan Sultan Abdul Samad



Sultan Abdul Samad Library Universiti Putra Malaysia

The library has been in existence since the opening of the then Universiti Pertanian Malaysia in 1971. Over the years, the library has had a few changes of name before officially being called the Sultan Abdul Samad Library (PSAS), Universiti Putra Malaysia.

The main library building comprises two blocks with a total floor area of approximately 19,007 square meters and with seating capacity of up to 2,000 seats. In addition to the Main Library, branch libraries are located at the Faculty of Medicine and Health Sciences, Faculty of Veterinary Medicine, Faculty of Engineering & Architecture and the Bintulu (Sarawak) Campus Library. In reality, these libraries are a form of satellite libraries that provide specific services. They are also linked to an exclusive collection of

information and data in various fields of study or specialty. With additional branch libraries, the university is able to cater to the ever increasing needs and requirements of library users.

The library holds a collection of 673,645 volumes of books and bound journals. It also maintains an impressive collection of maps, sound recordings, microforms, video tapes and slides. The library also subscribes to over 5,250 print journals, 80 online databases that provide access to

120,000 full text online journals, 35,800 e-books, 1.2 million theses and dissertations and 22,735 protocols.

PSAS is also equipped with wireless internet facility (WIFI). Users are able to use their own laptops at any time to access Internet services within the library premise. Information on PSAS collections is retrievable via the Virtual WebOPAC, which can be accessed via the internet from the PSAS website.



Services offered

1 Circulation Service

Loan, Renewal, Reservation and Membership.

2 Reference Service / Reader's Advisory Desk

A one-stop enquiry point for users.

3 Document Delivery Service

UPM students, faculties and staff are able to borrow materials not available at UPM libraries from other libraries, both in the country and abroad.

4 Literature Search Service

Assistance / advice to students and staff on information search for their research projects, working papers and coursework.

5 Information Literacy Programme

This programme aims to teach and assist users effectively in utilising all information resources, services and facilities offered to users / faculties.

6 Liaison Librarian Service

This service provides specialised assistance required by academic staff and students of each faculty / institute / centre in UPM.

Service hours

The library service hours are as follows:

Main Library

During Semester

Monday - Friday **8.30am - 10.30pm**
 Saturday & Sunday **8.30am - 3.30pm**
 (1st & 3rd Saturdays of the month - Closed)

Semester Break

Monday - Friday **8.30am - 7.30pm**
 Saturday & Sunday **Closed**

Faculty of Medicine and Health Sciences

During Semester

Monday - Friday **8.30am - 8.30pm**
 Saturday & Sunday **8.30am - 3.30pm**
 (1st & 3rd Saturdays of the month - Closed)

Semester Break

Monday - Friday **8.30am - 6.30pm**
 Saturday & Sunday **Closed**

Faculty of Veterinary Medicine

During Semester

Monday - Friday **8.30am - 5.30pm**
 Saturday & Sunday **Closed**
 (1st & 3rd Saturdays of the month - Closed)

Semester Break

Monday - Friday **8.30am - 4.30pm**
 Saturday & Sunday **Closed**

Faculty of Engineering & Architecture

During Semester

Monday - Friday **8.30am - 4.30pm**
 Saturday & Sunday **Closed**
 (1st & 3rd Saturdays of the month - Closed)

Semester Break

Monday - Friday **8.30am - 4.30pm**
 Saturday & Sunday **Closed**

Faculty of Engineering & Architecture

During Semester

Monday - Thursday **8.00am - 10.00pm**
 Friday **8.00am - 10.30pm**
 Saturday & Sunday **8.00am - 4.30pm**
 (1st & 3rd Saturdays of the month - Closed)

Semester Break

Monday - Thursday **8.00am - 5.00pm**
 Friday **8.00am - 5.00pm**
 Saturday & Sunday **Closed**

Public Holidays

ALL libraries are closed

Contact number for enquiries

Reader's Advisory Desk
 Tel : +603 8946 8642

Students' Sweet Taste of Success

SISTERS' DOUBLE DATE WITH SUCCESS

Aini Marina Ma'arof, recipient of Chancellor Gold Medalist and Aini Azeqa Ma'arof, recipient of Alumni Gold Medalist are sisters who have created a family tradition in learning at Universiti Putra Malaysia. Their future is bright and exciting opportunities are in store for them.

The elder sister Aini Marina completed her education with a Bachelor's Degree in (TESL). She is currently a tutor in UPM's Faculty of Educational Studies and in her second year of study leave. She is in pursuit of a doctoral degree in Cognitive Science at the University of Illinois at Urbana-Champaign. She is expected to graduate in 2015.

The student received the Al-Biruni Award for Excellence was on the Dean's List for eight consecutive semesters as her CGPA was no less than 3.75; and was awarded the highest university accolade – the Chancellor Gold Medalist.

"I have always been inspired by my father to fly high and seek opportunities to learn in different environments, explore other ways of working, thinking and living; and take the best from them all,"

said Aini Marina when asked why she decided to study abroad after completing her education in UPM. The bright student stressed that education in Malaysia is equally good as those abroad.

Aini Marina loved the beautiful grounds of UPM, saying that its serene surroundings and ample facilities made learning easier. Being surrounded by the intellectual campus community gave her the drive to go further and constantly challenge herself to go further. She believes these have aided to the academic success she is enjoying now.

An interesting fact about Aini Marina is that she is a student, wife and mother. She gave birth to her son in her second year amidst a heavy academic



schedule. It was a period of weekly quizzes and constant tests, where she had to finish her coursework and defend a thesis. The reward was a hard earned Master degree in Cognitive Science.

Now Aini Marina is in her third year in the American university (1st year of PhD), working on the PhD course load. In chasing her dreams in academia, she knows that keeping a balance is of utmost importance. Her greatest challenge? Time. As a grad student cum wife cum mother, Aini Marina's time management is extremely efficient. The hardworking young mother goes grocery shopping as early as 7 am and she said that it is the norm for her now.

"What used to be atypical has become typical in the life of a grad student with a young family to take care of. But it can be done and I do them all happily."

Her younger sister, Aini Azeqa has just graduated with a Bachelor's degree

in Guidance & Counselling at UPM's Faculty of Educational Studies.

As a student at the Faculty of Educational Studies (FPP), Aini Azeqa was entrusted to manage several student body posts: as the vice president of the Al-Biruni Club and as the secretary of the FPP Student Association, among many other posts. With these responsibilities, she embraced the opportunities to develop her leadership, interpersonal and organization skills on top of other social skills.

"Chiefly, these opportunities have helped me 'break the ice' within myself because I have always been, and always told, to be of the shy sort," said Aini Azeqa.

The past four years saw the bright student engaging herself with other friends organizing educational programs and seminars, working hand-in-hand with schools and national bodies. She also organized

Aini Marina Ma'arof
 Recipient of Chancellor Gold Medal

Aini Azeqa Ma'arof
 Recipient of Alumni Gold Medal



Aini Marina

Aini Azeqa



outreach programme, almost always targeting underserved school children. Aini Azeqa also lendsher ears to drug users under rehab. Getting involved in extra-curricular activities on top of being mindful with the academics had helped Aini Azeqa to develop herself into a more holistic and flexible person.

“I owe this to UPM for creating and providing such opportunities, making this transformation possible for me and for all who seek it.”

AiniAzeqa admitted that maintaining a first class GPA each semester was not “sugar and spice everything nice.” With the smiles at the end of each semester were sweats and frets and tears along the way. However, she

has always believed in the notion of you reap what you sow - the amount of effort put into study determines the gains. Thus, Aini Azeqa made sure she maximised her efforts in her studies whilesimultaneously manage extra-curricular activities.

Undoubtedly, she said, organisation and management skills are vital.

“I am always mindful of my use of time and planning ahead is the trick. As an ordinary person, I believe there is no easy way to succeed, but it doesn't stop one from achieving flying colours in life.”

Aini Azeqa said that UPM is dear to her heart. Though offered by other

universities, she accepted to be a tutor at the Faculty of Human Ecology in UPM. The kind hearted student is grateful to the support given by the experienced staff, saying that it gave her the drive and motivation to succeed as a student. UPM's beautiful and green surroundings gave her the peace of mind to study effectively.

Over the years of having the opportunity to work with underserved children in Malaysia, Aini Azeqa has developed a deep interest in the area of social psychology and it will be the focus of her continuing academic journey to scholarship.

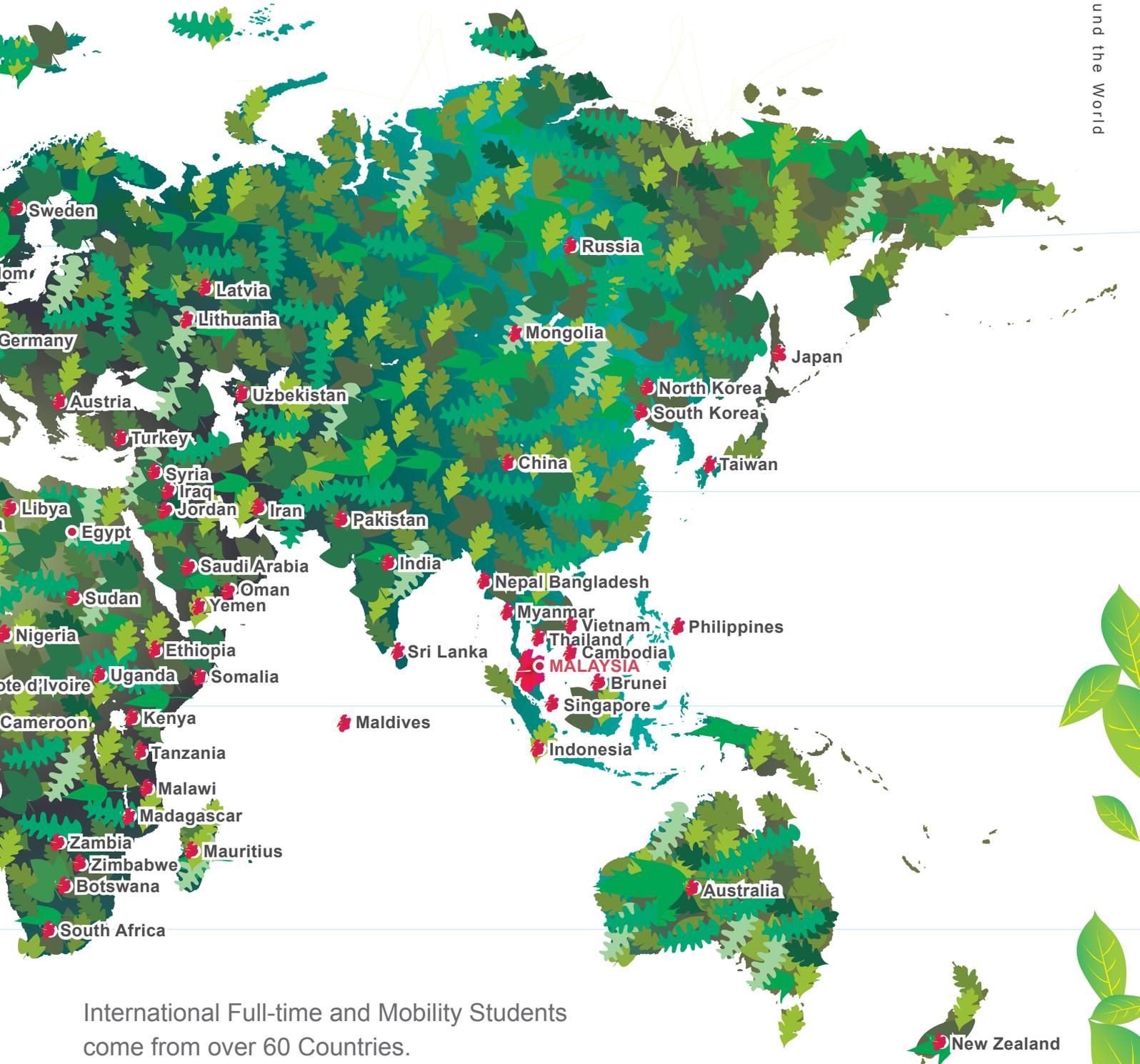
Aini Azeqa's future shines brightly as she charts the course of her life forward.

International Students From Around the World



Students from over 60 countries around the world are part of the almost 30,000 student population in UPM, enriching what is already a unique and vibrant making the cultural diversity.

Undeniably, for international students, studying in Malaysia is one big adventure. The attraction does not lie in only the pursuit of UPM's academic excellence, but also in the opportunity to experience a whole new environment, observing cultural differences, enjoying Malaysian food, benefit from the reasonable cost of living and taking in the incredibly exciting sights, sounds and beauty of a nation blessed by geography and Nature.



UPM International

UPM International Sdn. Bhd (UPMI) was incorporated on 9 August 2011 to provide services to and meet the requirements of international students. Since its inception UPMI has managed to assist many international students to adapt to the community and the campus environment. UPMI supports the university's Vision to become a university of international repute.



Its main functions are to:

- manage and administer the University's strategic agenda for internationalisation;
- plan, implement and monitor support services activities for international scholars and students;
- plan the centre's international marketing and promotional strategies to sustain its image in the international arena;
- be the coordinator and mediator in strengthening the university's international linkages;
- plan strategies to obtain, manage and build good relationships with international students and officials, as well as with internationally renowned universities;
- develop strategies for solidifying high-impact international activities and monitoring their implementation, and
- be the one-stop centre for information on the university's international activities.

UPM International Sdn. Bhd.
Level 1, Dewan Banquet UPM
e-mail: recu.upmi@gmail.com
tel: +603 8647 1160 / 1162
fax: +603 8947 1165

“Studying in UPM has helped me achieve many things. I now have a better appreciation of the various cultures that are different from mine, my English has improved tremendously and I developed my presentation skills here.”

Yusser A. Taqi Al-Qazwini (Iraq),
PhD in Photonic & Fibre Optic Systems



A Sustainably Greener World

UPM has taken new and sophisticated initiatives in its active pursuit of sustainability and a greener environment. Awareness has been raised about the importance of working with the environment to achieve a sustainable and greener world, beginning with the 'Recycling Rally' that encourages waste recycling. In line with this approach, many more promising activities have been taking place.

Solar Power For Energy

In support of the energy-efficient culture on campus, UPM launched the use of Concentration Photovoltaic (CPV), a project that focuses on harnessing solar energy source.

The collaborative project is undertaken by UPM's Faculty of Engineering and Sichuan Zhonghan Solar Electric Power Co. Ltd, China (Zhonghan). UPM takes the lead to study the effectiveness, efficiency and cost effective capacity of the CPV technology system on a commercial scale. The affordable solar electric

power using the CPV technology will also determine the most suitable system to be used to accommodate the weather of the country.

Plans are underway to develop a Solar Energy Production Plant that can produce electricity of two megawatts.

UPM is the only institution in Asia, together with 10 other best universities in the world, to use the technology.

CPV Technology is attractive as it is increasingly recognised as the technology that holds the greatest promise in meeting the energy challenges facing the world.

Active Forest Conservation for Two Decades

The cooperation between UPM and the automotive giant, Mitsubishi Corporation, has moved towards research activities involving conservation of tropical rain forest ecosystems and global climate change.

The declaration of 2011 as the "International Year of the Forest" by the United Nations has paved the way for UPM and Mitsubishi to once again work together on an integrated programme to ensure the conservation of forests.

The focus is on balancing the lack of oxygen release into the air with the overflow of carbon dioxide released from factories and automotive industries.





2011 Rehabilitation of Tropical Rainforest Ecosystems – An International Symposium

24-25 October 2011

A project undertaken by the Faculty of Forestry, the symposium held in Kuala Lumpur provided a platform to share knowledge on and experiences in forest conservation. Simultaneously, it also addressed issues on forest health indicators based on the research outputs from the UPM-Mitsubishi Corporation projects.

The symposium made an impact on the 300 participants from several local universities, Forestry Departments, Wildlife, Forestry Research Institute of Malaysia (FRIM) and overseas such as Japan, USA, Australia, Philippines, Brazil, China, Thailand and Indonesia.

Highlights of the symposium were on forest biodiversity and conservation (land flora, wildlife, aquatic flora and fauna and also insects and microbial), soil fertility and water stability, forest carbon storage and climate change, silvicultural practices and policies, and forest socio-economic values that need to be preserved.

More inroads are being made in conservation for a healthy green world.

The first international symposium was organised by UPM and Mitsubishi Corporation in Kuching, Sarawak in 1992.

Tree Planting

In October 2011, 6,000 young trees were planted on five hectares of land, part of the 27 hectares forest model site of UPM. They consisted of 112 endemic and endangered species from peninsular of Malaysia.

The research forest model site aims to plant up to 400 species, which include timber, endemic species, medical herbs and others.

In May 2011, 1,800 forest saplings were planted in the forest model site as well. Rare trees were also successfully planted in the effort to continuously study sustainable solutions for the benefit of the nation and mankind.

The hardwood species include Merawan Pipit (*Shorea assamica*), Merawan Siput Jantan (*Hopea odorata*), Meranti Rambai Daun (*Shorea acuminata*), Meranti Sarang Punai (*Shorea parvifolia*), Meranti Tembaga (*Shorea leprosula*), Keruing Kerta (*Dipterocarpus chartaceus*), Merawan Meranti (*Hopea sulcata*) and Merbau (*Intsia bijuga*).

Other Green Focus Initiatives

University leaders and stakeholders' attention has been drawn to the need to combat global climatic change, energy conservation, water conservation, waste recycling and green transportation alternatives. More green and sustainable research initiatives will be added to UPM's portfolio in developing a sustainably greener world.



Research & Development

Universiti Putra Malaysia conducts cutting-edge research across the broadest range of disciplines with breakthrough research and potential economic joint ventures. UPM is a research-focused university with a team of academicians who are global experts in their fields. Whether it is a taught programme or a research degree, at UPM, you will be working with people who push the boundaries of knowledge for the nation's advancement. As a lively hub for local and foreign researchers, the university provides a conducive research environment in cultivating varied talents to generate novel breakthroughs and significant inroads into sustainable solutions. The university also provides infrastructure for research activities and supports real-world entrepreneurial applications.

A multidisciplinary programme, an important pillar of UPM's broad-based education, continues to expand its portfolio with a versatile offering of courses that combine the intellectual strengths of different disciplines. The university's standing as a scholarship hub, its research-intensive culture and state-of-the-art facilities continue to be strong factors in drawing talents from all over the world to Serdang.

UPM has been officially designated as one of the country's Research Universities under the Ninth Malaysia Plan (2006-2010) on 11th October 2006. The university aims to achieve international excellence in all types of research and research training, from fundamental, curiosity-driven work that adds to the stock of knowledge to applied research, resulting in commercial innovations.

Six Research Clusters

- 1 Agriculture
- 2 Food
- 3 Forestry and Environment
- 4 Health
- 5 Social Science
- 6 Science, Technology and Engineering

UPM Niche Areas

- Advanced Materials Nanotechnology
- Agricultural and Food Policy Studies
- Animal Infectious Disease
- Animal Vaccines, Diagnostics and Therapeutics
- Applied Economics and Macroeconomic Dynamics Studies
- Applied Mathematics and Statistics
- Biomedical Engineering
- Bio-renewable Composite
- Cancer Research : Cancer Genetics, Molecular Imaging & Therapeutics
- Catalysis and Green Reaction
- Conservation and Commercialisation of Wildlife and Biodiversity Resources
- Drug Discovery : From Target Identification to Candidate Preclinical Development
- Ecotourism
- Engineering Education
- Environmental Forensics
- Enzyme and Microbial Technology
- Fats and Oils Technology
- Food Safety and Food Processing
- Food Tourism : Most Promising Tourism Products
- Forest Ecology and Management
- Functional Foods and Nutrition-related Diseases
- Interactions in Communication, Language Competencies and Multiculturalism
- Lightning Protection and Electromagnetic Compatibility
- Natural Bio-resource Based Medicine (Nutra Cosmeceuticals & Nutrigenomics)
- Photonic Systems
- Poultry Production and Health
- Smart Farming
- Sustainable Agricultural Resources
- Sustainable Aquaculture Production
- Sustainable Soil Management
- Water Security
- Wireless Sensor Network
- Youth Development





Future Areas of Concentration

Defence and Security

Strategic and policy studies, cyber security, criminology and forensic, defence technology, defence management, aerospace and maritime.

Advanced and Added Values Manufacturing

Development, testing and manufacturing of bio-based products using emerging technologies and intelligent manufacturing systems.

Tropical Medicine

Management, mechanisms, bioprospecting, applications and product development) and Global Warming (environmental conservation, transportation, waste, low carbon society, safety and comfort, and energy efficiency.

Making Strides

UPM has continuously honed its efforts to be a leading Research University in the region. We have maintained a dedicated focus on agriculture, science and technology, culminating in cutting edge advances that have borne fruit in several sectors.

To date, UPM has filed 429 patents in Malaysia (pending and granted), the highest among universities and also a record for a Malaysian university.

Transportation and Mobility

Design, fabricate and test vehicles consisting of intelligent electronic control, electronic powered indoor vehicle, CNGDI-electric hybrid outdoor vehicle, built environment suitable for the indoor vehicle, transmission system, specialty bio-fuel engine and training module.

Heritage Food and Culture

Food culture and sociology, consumer behaviour, food marketing, food quality, innovative convenient food, food entrepreneurship, food policy and information communication technology.

Risk Governance

Risk / hazard determination, analysis, mitigation and governance issues.

Chronic Diseases and Disabilities

Ageing and disability.

Expeditions of Success

UPM is the largest research grant recipient in Malaysia and the grants are very well used indeed. The allocation of almost RM90 million for multidisciplinary research is invested in building excellent infrastructure, responsive management and a campus environment geared towards inspiring innovation and scholarship. Students enjoy the impetus provided by the university that paves the way for carrying out not only quality researches but also active solutions for the benefit of mankind. We maintain our leadership position by intensifying efforts in research collaborations and synergistic partnerships.

Childhood Development and Education

Children's optimal holistic (physical, emotional, social and cognitive) development and education.

Traditional Knowledge

Religio-medico perspective, food preservation and conservation technology, preservation of unique cultural identity and traditional arts, folk culture and sustainable environment for habitation, and the legal framework for protecting the rights to indigenous knowledge.

Neurodegenerative Disorder

Epidemiology, clinical investigations, neurobiology, stem cell research, therapeutics and interventional strategies.

UPM produced ZAPPA, the rice seeds germination enhancer and Vita-Grow, the growth and yield enhancer. Both have generated about RM23.7 million in sales.

In making strides forward, UPM has quickened the pace of technology transfer to benefit local industries, thus relying less on importing expensive foreign technologies.

Further inroads have also been made in biogas and biomass products, composting of bio-acids and bio-plastic from solid wastes and composting from sewage sludge.

Commercialised Products & Technologies

- Vita-Grow - growth and yield enhancer
- ZAPPA - rice seeds germination enhancer
- Fowl Pox Vaccine - tissue culture adapted
- Newcastle Disease Vaccine - V4-UPM heat resistant strain
- StellarLac - chicken probiotic technology
- Fibre Duplexer Module (FDM)
- Stone Mastic Asphalt with cellulose oil palm fibre
- MyVAC UPM93 - infectious bursal disease vaccine
- MRTLatexometer - for rapid measurement of dry rubber content
- BACTERIOCIN UL4 - anti-microbial compound
- KUSTEMVax, Mannheimiosis Vaccine
- Trichogreen - biocontrol agent and growth enhancer (oil palm)
- EDU-Enzyme Assay Educational Kit
- Biotropics Palm Leaf Extract
- Cattle Breeding
- Monogastric Animal Feed
- CNG Composite Tank
- SatiriSuperdwarf - turf grass
- High Quality Orchid Micro-propagation
- Natural Colourant & Methods Thereof
- Addex



Research Management Centre

FUNCTION

The function of the Research Management Centre (RMC) is to enhance and strengthen the current research management system by intensifying Research, Development and Commercialisation (R&D&C) efforts. These efforts will improve productivity and efficiency to produce quality research findings and outputs. RMC's role is also to increase collaborative R&D&C efforts among the public, R&D&C agencies and the private sector in facilitating the commercialisation and marketing of research findings.

SERVICES OFFERED

Research Grant Division

The Research Grant Division is responsible for the management and administration of research funding and related activities. It aims to source for research grants and facilitate research grant applications, enhance expertise of research groups and networking as well as monitor research projects. The activities of the Research Grant Division also include the disbursement of research funds, e.g. : ScienceFund, Fundamental Research Grant Scheme, Research University Grant Scheme, Young Researcher Grants, SAGA, FELDA, Toray, MAKNA, etc.; establishment of criteria and procedures for performance monitoring, internationalisation of research funding and linkages, and postdoctoral grants. It also conducts conferences and workshops on research management, sourcing of research grants and application procedures, benchmarking and research clustering.

Intellectual Property (IP) Division

The Division is responsible for activities relating to processes in managing, drafting and filing. It aims to facilitate UPM researchers in intellectual property protection in Malaysia and internationally. The services provided are registration of patents, trademarks, industrial designs, copyrights and plant varieties. Simultaneously, the division also provides advisory services to researchers regarding prior art search to assist them in determining their research directions. This is to resolve duplication in researches that have been conducted in order to achieve quality and cost-effective IP protection.

The division also organises IP clinics and exhibitions, not only to disseminate information of the various available intellectual property protections, but also to forge awareness and understanding of the importance of intellectual property rights among researchers. The division ensures that researchers understand the potential value of their products.

Research & Innovation Promotion Division

The Research & Innovation Promotion Division is responsible for seeking ways to enhance UPM's research excellence through organising and promoting research exhibitions at both national and international levels. The division organises and services R&D exhibitions and competitions on local and international platforms, conducts road shows at Faculties, Institutes and Centres across UPM, and other national bodies and industries. In addition, the division is entrusted to promote services and expertise derived from UPM's R&D activities. Part of the division's responsibility also includes distributing printed materials in relation to R&D activities and publications in UPM. From time to time, the division also organises press conferences and publicises research activities through the mass media.



Knowledge Management Division

The Research Management Centre (RMC) has been entrusted with the responsibility to spearhead knowledge management in UPM. Knowledge is one of the greatest assets in any organisation including UPM and owing to this huge responsibility, the Knowledge Management Division is entrusted to be the caretaker. The Division is responsible for developing and managing a knowledge management system known as the UPM Knowledge Management (KM) Portal. It is a distributed hypermedia system for managing knowledge in UPM by supporting the creation, caption, storage and dissemination of expertise and knowledge. In addition, the Division is also responsible for several research publications including UPM's prestigious and only official R&D&C bulletin published quarterly called 'Synthesis'. It promotes and publicises R&D activities across the university and beyond.

Service Hours

Monday–Thursday :

8.00am – 5.00pm

Lunch Hour :

1.00pm – 2.00pm

Friday :

8.00am – 5.00pm

Lunch Hour :

12.15pm – 2.45pm

Saturday, Sunday and

Public Holidays :

Closed

Contact Person For Further Enquiries

En. Jamali Janib

Research Management Centre (RMC)

1st Floor, Idea Tower II

UPM-MTDC Technology Centre

43400 UPM Serdang, Selangor

Tel : +603–8947 1249 / 1601

Fax : +603–8945 1596

Email : jamali@putra.upm.edu.my



Our Vision, Mission & Goals

OUR PHILOSOPHY

UPM is a public university. This puts us in a unique position where our students always come first.

VISION

To become a university of international repute.

MISSION

To make meaningful contributions towards wealth creation, nation building and universal human advancement through the exploration and dissemination of knowledge.

GOAL

- Goal 1 : To attract outstanding students and to produce knowledgeable and competitive graduates.
- Goal 2 : To elevate achievements in research and innovation to international levels.
- Goal 3 : To intensify community involvement for the generation and sharing of knowledge.
- Goal 4 : To strengthen UPM as a centre of excellence in education, research and service in agriculture and tropical bioresources.
- Goal 5 : To improve the governance and management of resources based on best practice.
- Goal 6 : To reinforce the Graduate School of Management's position as the Top Business School (TBS).

VALUES

Excellence, Diversity, Sustainability and Integrity.



UNDERGRADUATE Programmes

- 1 Faculty of Agriculture
- 2 Faculty of Forestry
- 3 Faculty of Veterinary Medicine
- 4 Faculty of Economics and Management
- 5 Faculty of Engineering
- 6 Faculty of Educational Studies
- 7 Faculty of Science
- 8 Faculty of Food Science and Technology
- 9 Faculty of Human Ecology
- 10 Faculty of Modern Languages and Communication
- 11 Faculty of Design and Architecture
- 12 Faculty of Medicine and Health Sciences
- 13 Faculty of Computer Science and Information Technology
- 14 Faculty of Biotechnology and Biomolecular Sciences
- 15 Faculty of Agriculture and Food Sciences
- 16 Faculty of Environmental Studies

Entry Requirements

Entry requirements for international candidates highlighting equivalent qualification with the Malaysian High School Certificate (STPM) or Diploma recognised by the Malaysian Government.

STPM or Equivalent Qualification

1. A Malaysian Certificate of Education (SPM)
2. A credit in Bahasa Melayu / Bahasa Malaysia at SPM / its equivalent
3. A pass in the STPM examination with at least
 - i. C Grade (CGPA 2.00) in General Studies;
 - ii. C Grade (CGPA 2.00) in TWO (2) other subjects
4. A Malaysian University English Test MUET certificate.

AND has fulfilled special requirements for the programme i.e. attaining the required grades in SCIENCES / ARTS as specified for each UPM Bachelor programme.

OR Equivalent Qualification

1. A good pass in the Malaysian Certificate of Education (SPM);
2. A credit in Bahasa Melayu / Bahasa Malaysia in SPM / its equivalent
3. A Diploma or its equivalent which is recognised by the Malaysian Government and approved by the University Senate; and
4. A Malaysian University English Test (MUET) certificate.

AND has fulfilled special requirements for the programme i.e. a Diploma in a relevant field or any other qualification recognised by the UPM Senate

OR Equivalent Qualification

1. A good pass in O-levels / its equivalent.
2. A pass in the A-levels with at least :
 - C Grade in THREE (3) subjects; and
3. A Band 3 in the Malaysian University English Test (MUET) or a TOEFL score of at least 550 or a score of 6 in the IELTS examination

AND has fulfilled special requirements for the programme i.e. attaining the required grades in SCIENCES / ARTS as specified for each UPM Bachelor programme

Cost of Living

The cost of living depends very much on the needs and lifestyle of the individual student. Students residing on-campus should have adequate money to cover living expenses, clothing, books, travelling and others. Estimated cost of living is about RM1,500.00 – RM2,000.00 (USD400 – USD530) PER MONTH EXCLUDING MEALS.

Accommodation

A twin-sharing room at a daily rental rate of RM10.00 with aircond and RM9.00 without the aircond are available on campus. OR student may choose a single room at a daily rate of RM20.00 with aircond and RM18.00 without aircond.

OR Equivalent Qualification

1. A pass in the Higher School Certificate HSC / its equivalent with at least :
A C+ GRADE in THREE (3) subjects or 65% in THREE (3) subjects in the Final Level of Secondary Education
2. A pass in the University Entrance Exam (for countries which seek such requirement for admission into universities); and
3. A Band 3 in the Malaysian University English Test MUET or a TOEFL score of at least 550 or a score of 6 in the IELTS examination

AND has fulfilled special requirements for the programme i.e. attaining the required grades in SCIENCES / ARTS as specified for each UPM Bachelor programme

OR Equivalent Qualification

1. A Diploma or its equivalent which is recognised by the Malaysian Government and the University Senate with a CGPA of at least 3.00
2. A Band 3 in the Malaysian University English Test MUET or a TOEFL score of at least 550 or a score of 6 in the IELTS examination

AND has fulfilled special requirements for the programme i.e. attaining the required grades in SCIENCES / ARTS as specified for each UPM Bachelor programme

All enquiries pertaining to the UPM Undergraduate Degree programme can be emailed or sent by post to the address.

Head of Administration
Academic Division

Universiti Putra Malaysia
43400 UPM Serdang, Selangor Darul Ehsan
Tel : 03-8946 6059/03-8946 6060
Fax : 03-8942 6469
Email : akademik@upm.edu.my

* Please refer to the Academic Division website for further information.

Programmes of Study

Duration of Study

FACULTY OF AGRICULTURE

Bachelor of Agricultural Science	4
Bachelor of Horticultural Science	4
Bachelor of Science (Agribusiness)	4
Bachelor of Agriculture (Aquaculture)	4
Bachelor of Agriculture (Animal Science)	4

FACULTY OF FORESTRY

Bachelor of Forestry Science	4
Bachelor of Wood Science Technology	4
Bachelor of Recreational and Park Science	4

FACULTY OF VETERINARY MEDICINE

Doctor of Veterinary Medicine	5
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FACULTY OF ECONOMICS AND MANAGEMENT

Bachelor of Economics	4
Bachelor of Accountancy	4
Bachelor of Business Administration	4

FACULTY OF ENGINEERING

Bachelor of Engineering (Civil)	4
Bachelor of Engineering (Electrical and Electronics)	4
Bachelor of Engineering (Chemical)	4
Bachelor of Engineering (Agricultural and Biosystem)	4
Bachelor of Engineering (Mechanical)	4
Bachelor of Engineering (Aerospace)	4
Bachelor of Engineering (Process and Food)	4
Bachelor of Engineering (Computer and Communication System)	4

FACULTY OF EDUCATIONAL STUDIES

Bachelor of Education (Physical Education)	4
Bachelor of Education (Guidance and Counseling)	4
Bachelor of Education (Teaching of Bahasa Malaysia as a First Language)	4
Bachelor of Education (Teaching of English as a Second Language)	4
Bachelor of Education (Home Science)	4
Bachelor of Education (Agricultural Science)	4
Bachelor of Education (Information Technology)	4
Bachelor of Education (Moral Education)	4
Bachelor of Science (Human Resource Development)	4

FACULTY OF SCIENCE

Bachelor Of Science (Honours)	4
Major in	4
• Biology	4
• Mathematics	4
• Statistics	4
• Physics	4
• Chemistry	4
• Industrial Chemistry	4
• Petroleum Chemistry	4
• Material Science	4
• Instrumentation Science	4

Bachelor Of Science With Education (Honours)

Major in	4
• Biology	4
• Physics	4
• Chemistry	4
• Mathematics	4

FACULTY OF FOOD SCIENCE AND TECHNOLOGY

Bachelor of Food Science and Technology	4
Bachelor of Science (Food Studies)	4

FACULTY OF HUMAN ECOLOGY

Bachelor of Music (Music Performance)	4
Bachelor of Science (Human Development)	4
Bachelor of Consumer Studies	4
Bachelor of Science (Human Development and Management)	4
Bachelor of Science (Human Development and Information Technology)	4

FACULTY OF MODERN LANGUAGES AND COMMUNICATION

Bachelor of Communication	3½
Bachelor of Arts	3½
Major in	3½
• English Language	3½
• Malay Language and Linguistics	3½
• Malay Literature	3½
• English Literature	3½
Bachelor Of Foreign Languages	3½
Major in	3½
• Mandarin	3½
• Arabic	3½
• French	3½
• German	3½

FACULTY OF DESIGN AND ARCHITECTURE

Bachelor of Architecture	4
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Bachelor of Landscape Architecture	4
Bachelor of Science in Architecture	3½
Bachelor of Design (Industrial Design)	4

FACULTY OF MEDICINE AND HEALTH SCIENCE

Doctor of Medicine	5
Bachelor of Science (Biomedical Science)	4
Bachelor of Science (Dietetic)	4
Bachelor of Science (Nutrition and Community Health)	4
Bachelor of Science (Environmental and Occupational Health)	4
Bachelor of Nursing	4

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Bachelor of Computer Science	4
Major In	4
• Computer System	4
• Multimedia	4
• Software Engineering	4
• Computer Network	4

FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES

Bachelor of Science (Honours)	4
Biotechnology	3
Bachelor of Science (Honours)	4
Biochemistry	3
Bachelor of Science (Honours)	4
Microbiology	3
Bachelor of Science (Honours) (Cell and Molecular Biology)	4

FACULTY OF ENVIRONMENTAL STUDIES

Bachelor of Environmental Science and Technology	4
Bachelor of Environmental Management	4

FACULTY OF AGRICULTURE AND FOOD SCIENCES (UPMKB)

Bachelor of Science Bioindustry	4
Diploma in	3
• Agriculture	3
• Forestry	3
• Fisheries	3
• Animal Health and Production	3½
• Food Estate Management	3
• Agribusiness	3
• Agricultural Engineering	3

CENTRE OF FOUNDATION STUDIES FOR AGRICULTURAL SCIENCE

Foundation for Agricultural Science	1
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General Academic Information

Since its inception, UPM has always practised the semester system, with two semesters for every academic session. i.e. the First and Second Semesters. Every semester consists of fourteen weeks of study and students will be evaluated via on-going evaluation inclusive of the final examination.

Academic Calendar

First and Second Semester

Lectures	7 weeks
Mid Semester Break	1 week
Lectures	7 weeks
Revision Week	1 week
Final Examination	2 weeks
Semester Break	4 weeks 1 ST SEMESTER 11 weeks 2 ND SEMESTER

Credit Requirement

Programmes	Minimum Credit
BACHELOR 5 years	150 CREDITS
DOCTOR OF MEDICINE	
DOCTOR OF VETERINARY MEDICINE	
BACHELOR 3-4 years	120 CREDITS
DIPLOMA 3 - 3 $\frac{1}{2}$ years	90 CREDITS

Classification of Degree

The UPM Bachelor's Degree (except Bachelor's degree for Veterinary Doctoral Medicine and Medical Doctor) is given the following classification :

Cumulative Grade Point Average	Classification
3.750 – 4.000	First Class Honours
3.000 – 3.749 (Honours)	Second Class Upper Honours
2.250 – 2.999 (Honours)	Second Class Lower Honours
2.000 – 2.249	Third Class Honours

Functions Of The Academic Division

The main responsibility of the Academic Division is to handle all matters pertaining to student intake, student registration and information, time tabling of lectures and examination, Senate, examination results, conferment of degrees and convocation, and Secretariat services for the University authority.

Note : All international students are advised to apply for a visa before entering Malaysia. The University will make the necessary arrangements to get the student pass when a candidate is accepted for admission.







Faculty of Agriculture

Career Opportunities

The Faculty of Agriculture strives to produce trained agriculture experts who possess the entrepreneurial spirit and are capable of holding consultations and negotiations anywhere. Graduates are also trained to advance new agricultural technologies as well as apply results from research and commercialisation programmes.

Faculty of Agriculture

One of the three founding faculties of UPM, the Faculty of Agriculture is the foremost agricultural knowledge centre in Malaysia. The Faculty assumes a major role in finding solutions to current agricultural problems faced by the country and ensuring development of the national agro-industry over the long term by an output of trained visionaries and competitive graduates.

The Faculty produces professionals characterised by entrepreneurship and high technical capability who can contribute to knowledge, wealth creation and nation building through their scholarship, research and commercialisation prowess.

The Faculty offers programmes on Crop Science, Plant Protection, Land Management, Animal Science, Aquaculture, Agriculture Technology, and Agribusiness and Information Systems.

Programmes Offered

Bachelor Degrees

- Bachelor of Agricultural Science
- Bachelor of Horticultural Science
- Bachelor of Science (Agribusiness)
- Bachelor of Agriculture (Aquaculture)
- Bachelor of Agriculture (Animal Science)

Degree Without Thesis

- Master in Plantation Management
- Master in Land Resource Management

Postgraduate

Degree With Thesis (Coursework and Research)

- Master of Science (M.S.)
- Doctor of Philosophy (PhD)

Research Focus

Agronomy, Horticulture, Plant Pathology, Entomology, Agrotechnology, Land Resource Management, Animal Production, Animal Breeding and Genetics, Aquaculture, Agribusiness and Agricultural Economics



Achievements

The Faculty has produced award-winning and commercially viable products that add value to agriculture such as :

ZAPPA

a treatment for paddy seed for better yield.

VITA-GROW

a complete and balanced foliar fertiliser that enhances yield by 25-30%.

AJIB

a crystalline water soluble fertiliser fortified with enzyme that enhances pollen viability and formation of female flowers for oil palm.

SaTiri

a clonal selection breeding that develops high quality adopted turf for golf green.

UGprobio

fish and prawn nutrition that increases yield while maintaining the environment.

Monogastric Animal Feed

probiotic metabolites that are used to replace in-feed antibiotics in meat producing livestock industry.

Bacto-10 Liquid Biofertiliser

organic fertiliser developed for sustainable crop



Faculty of Forestry

Career Opportunities

Employment opportunities encompass government and non-government agencies, private organisations involved in forest management, wood industries, management of wildlife, management of parks and eco-tourism.

Faculty of Forestry

The Faculty of Forestry is one of the pioneering faculties of UPM AND focuses on forest management, wood industry as well as recreational and eco-tourism.

Students are trained to produce research findings that are relevant and ahead of the game, contributing to sustainable forest management, development of forest resource-based industries and managing manpower requirements in the focus areas.

Programmes Offered

Bachelor Degrees

- Bachelor of Forestry Science
- Bachelor of Wood Science Technology
- Bachelor of Parks & Recreation

Postgraduate

- Master and Doctor of Philosophy (PhD)
- Master of Science
- Master of Tropical Forest Resource Management
- Master of Wood Industries Technology

Research Programmes

- Wood processing
- Wood property enhancement and utilisation
- Bio-composites
- Wood industry management
- Multipurpose tree species
- Management of forested and tree-based areas
- Forest and forest product entomology
- Forest nursery and plantation
- Wildlife ecology and management
- Forest economics and policy
- Remote sensing/GIS application
- Rehabilitation of degraded forest land and underutilised sandy soils
- Forest fertilisation
- Parks and recreation management
- Timber and furniture engineering

Research Focus

- Forest Products and Utilisation
- Recreation, Parks and Eco-tourism
- Plantation and Agro Forestry
- Forestry Ecology and Biodiversity
- Forestry Economics and Policy
- Sustainable Management of Natural Forests



Achievements

The Faculty has produced 2,586 graduates in Bachelor of Forestry Science from 1977 – 2010.

For the past five years, the achievements have been noteworthy:

- 80 MSc graduates and 27 PhD graduates.
- Secured more than RM12 million research grants.
- 507 local and international journals (CIJ) and 36 books were published.
- Serviced a total of 35 consultancy projects worth approximately RM4 million.



Faculty of Veterinary Medicine

Career Opportunities

Graduates can look for opportunities to work as Veterinary Officers or Veterinary Doctors in government agencies, statutory bodies and private companies involved in animal husbandry. Academic and research activities, pharmaceuticals, livestock farms and/or running veterinary clinics and hospitals are other areas of opportunity.

Faculty of Veterinary Medicine

The Faculty of Veterinary Medicine is the only faculty that has graduated veterinary medical practitioners by providing comprehensive education and training in veterinary science. UPM is also the only institution in Malaysia that provides comprehensive consultation and services in the treatment of disease through a well-equipped University Veterinary Hospital and Veterinary Laboratory Service Unit.

Department of Veterinary Preclinical Sciences, Department of Veterinary Pathology and Microbiology, and Department of Clinical Veterinary Studies are involved in the core activities of teaching, researching and providing consultation in veterinary and animal sciences.

Programmes Offered

Bachelor Degree

Doctor of Veterinary Medicine (DVM)

Postgraduate

Master of Veterinary Science (MVSc)

Master of Veterinary Medicine (MVM)

Master of Science (MS)

Doctor of Philosophy (PhD)

Research Focus

- Infectious bursal disease
- Newcastle disease
- Haemorrhagic septicaemia
- Veterinary parasites
- Food hygiene and safety
- Bone diseases and resurrection
- Embryo transfer
- Vaccine development
- Cancer therapy
- Cytogenetics
- Wildlife ecology and ruminants
- Aquatic
- Wildlife
- Exotic animal medicine and surgery
- Avian influenza
- Avian infectious bronchitis
- Pneumonic pasteurellosis
- Leptospirosis
- Fatty acid profiling
- Toxicology
- Artificial insemination
- Therapeutic proteins
- Pharmacokinetics
- Small animals
- Equine
- Avian



Achievements

- Received the MS ISO 9001 certification in 2000, making the Faculty the first institution of higher learning in the nation to receive comprehensive certification in teaching, research and professional services.
- ISO 17025 certificate was awarded to two testing laboratories of Microbiology and Biologics.
- Commercialised 4 animal vaccines and 1 diagnostic kit.
- One spin-off company was formed and 12 research products patented in Malaysia, USA and Europe.
- Received a grant from the European Union for research in ruminant studies.
- AAN AWARD



Faculty of Economics and Management

Career Opportunities

Occupation can be sought in the public and private sectors as economists, economic planners, chartered accountants, auditors, tax advisors, management consultants, company secretaries, academicians, researchers, entrepreneurs, bankers, executives in marketing, finance, operation and human resource. Other functional areas in local and international organisations also include banking, real estate, manufacturing, commerce, telecommunication and various industries.

Faculty of Economics and Management

The need for competent professionals in the fields of Agribusiness and Resource Economics led to the formation of the Faculty of Economics and Management in 1974. Today, the Faculty has four departments to cater to the increasing demand and needs of various industries.

Programmes Offered

Bachelor Degrees

Bachelor of Accounting (Honours)

Bachelor of Economics

Bachelor of Business Administration

Areas of specialisation are required in any one :

- Financial Economics
- International Trade and Finance
- Business Economics
- Public Finance
- Development Economics
- Industrial Economics
- Resource and Environmental Economics

Postgraduate

Master of Science in Economics and Master of Economics

Specialisations offered :

Financial Economics, Development Economics, Industrial Economics, International Economics, Resource and Environmental Economics, Hospitality & Recreation

PhD in Economics

Economics Department

Courses : Economic Theory, Quantitative Techniques, Development Economics, International Economics, Industrial Economics, International Commerce Financial Economics, Resource Economics and Environmental Economics.

Management and Marketing Department

Courses : Management, Marketing, Human Resource Management and Management Science and Law.

Accounting and Finance Department

Courses : Financial and Management Accounting, Audit, Tax, Finance and Banking.

Hospitality and Recreation Department

Course : Hospitality, Tourism and Recreation.

Research Focus

- Industrial Economics
- Financial Economics
- Business Economics
- Public Finance Economics
- Development Economics
- Resource and Environment
- Hospitality and Recreation
- International Trade and Finance Economics



Achievements

- Centre of Excellence for Applied Financial and Accounting Studies (CEAFAS) was formed in 2006 to produce high quality research relating to contemporary accounting and finance issues in Malaysia. The centre has a good network of contacts within academia, practitioners and regulatory bodies in Malaysia and abroad.
- The Faculty is a member of The Association to Advance Collegiate Schools of Business (AACSB) International. AACSB International is a membership association of educational institutions, business, not-for-profit and government organisations devoted to the advancement of higher education in business administration and management. Membership does not imply accreditation. AACSB International accreditation represents the highest standard of achievement for business schools, worldwide and the hallmark of excellence in management education.
- The Faculty researchers bagged 16 of the 26 medals in the 2011 Design, Research & Innovation Exhibition.

Programmes for Working Adults

Facilitating the education needs of working adults, the Executive Programme Unit (UPE) offers part time programmes to those working in the public or private sector. In 2000, this programme was expanded in collaboration with the Malaysian Airlines Systems (MAS) Academy.

More options are available with the External Programme Unit and Distance Learning Unit.

www.econ.upm.edu.my



Research Focus

Aerospace Engineering, Civil Engineering, Biological and Agricultural Engineering, Electrical and Electronics Engineering, Chemical Environmental Engineering, Mechanical and Manufacturing Engineering, Process and Food Engineering and, Computer and Communications Systems Engineering.

Achievements

- Numerous awards won annually locally and internationally such as the United Kingdom, Australia, USA and Switzerland.
- Local and international grants as well as consultancies that have brought over RM6 million to the Faculty.
- Two patents files and over 100 publications in journals, conference proceedings, chapters in books and consultancy reports.
- Faculty's lecturer invited to be a visiting researcher at University of Surrey.

Faculty of Engineering

Career Opportunities

Graduates can build their careers in various industries related to oil and gas, construction, engineering, manufacturing, transportation, telecommunication, electrical supply, chemical manufacturing, agricultural engineering, food processing, environment, petrochemical, design consultancy, aerospace industries, product development, research and academics.

Faculty of Engineering

UPM's Faculty of Engineering, from humble beginnings in 1975, has grown into one of the best engineering schools in Malaysia.

To date, the Faculty has eight exciting departments – Aerospace, Civil, Biological and Agricultural, Electrical and Electronics, Chemical and Environmental, Mechanical and Manufacturing, Process and Food, and Computer and Communications Systems - with a combined enrolment of over 3,000 undergraduate and postgraduate students.

Programmes Offered

Bachelor Degrees

Bachelor of Engineering in

- Aerospace
- Civil
- Electrical and Electronic
- Chemical
- Computer and Communication System

Postgraduate

Programmes With Thesis (Master & PhD)

- Aerospace Engineering
- Computational Methods in Engineering
- Geotechnical and Geological Engineering
- Highway and Transportation Engineering
- Project Management
- Structural Engineering
- Water Resource Engineering
- Sanitary and Environmental Engineering
- Soil and Water Engineering
- Safety, Health and Environment
- Agricultural Mechanisation & Automation
- Post Harvest Engineering
- Farm Structure
- Agricultural Waste Engineering
- Chemical Engineering
- Biochemical Engineering
- Environmental Engineering
- Material Science and Engineering
- Manufacturing Systems Engineering
- Materials Engineering
- Mechanical Engineering
- Design Engineering
- Energy Engineering
- Industrial and System Engineering
- Mechatronics Engineering

- Medicals and Bio-Mechanics Engineering
- Packaging Engineering
- Food Engineering
- Bioprocess Engineering
- Agricultural Process Engineering
- Computer System Engineering
- Embedded System and Artificial Intelligence
- Multimedia System Engineering
- Wireless Communication System Engineering
- Communications and Network Engineering
- Photonic and Fibre Optic Systems Engineering

Programmes Without Thesis (Master)

- Innovation and Engineering Design
- Structural Engineering and Constructions
- Water Engineering
- Remote Sensing and GIS
- Highway and Transportation Engineering
- Emergency, Responses & Planning

Water Management

- Environmental Engineering
- Environmental Technology Management
- Manufacturing Systems Engineering
- Master of Engineering Management





Faculty of Educational Studies

Career Opportunities

Opportunities can be sought as teachers, lecturers, writers, translators, education officers, education research officers, curriculum planners, development officers, human resource development managers, management trainees, training officers, personnel planning officers, administrative officers, commodity development officers, community development officers, professional councillors and motivational experts.

Faculty of Educational Studies

The objective of the Faculty of Educational Studies is to prepare professionals in human resource development and produce competent teachers for secondary school level as well as professionals who seek careers in human resource development.

The Faculty is divided into two – the Department of Counsellor Education and Counselling Psychology.

Programmes Offered

Diploma

- Diploma in Youth in Development Work
- Diploma in Education for Post-Graduate

Bachelor Degrees

Bachelor of Education in

- Agricultural Science
- Home Science
- Physical Education
- Teaching Bahasa Malaysia as the First Language
- Teaching English as a Second Language
- Guidance and Counselling
- Moral Education
- Human Resource Development

Postgraduate

- Master of Education
- Master of Education – Modular (off-campus)
- Master of Human Resource Development
- Master of Science
- Doctor of Philosophy

Research Focus

- Teaching and Learning
- Language Learning (TESL and PBMP)
- Human Resource Development
- Extension System
- Sociology of Education
- Educational Psychology
- Sustainable Community Development
- Vocational and Technical Education
- Computers in Education and Training
- Youth Development and Volunteerism
- Biomechanics, Physical Education, and Sports Science
- Fitness Studies, Exercise and Physiology
- Guidance and Counselling
- Innovations in Teaching-Learning
- Gender Studies
- Continuing Education
- Educational Administration
- Career Development



Achievements

The Faculty of Educational Studies has consistently won awards for design, research and innovation in its field.



Faculty of Science

Career Opportunities

Opportunities are abound in the public and private sectors for research officers, teachers, science officers, manufacturing engineers and many more.

Faculty of Science

The Faculty of Science comprises the Department of Biology, Department of Chemistry, Department of Physics and Department of Mathematics.

Undergraduate programmes are designed to provide students with solid backgrounds in their respective disciplines and to develop their scientific perspectives. Teaching is conducted by well trained and experienced lecturers using the latest methodology, supported by up-to-date facilities in a conducive learning environment.

Programmes Offered

Undergraduate

Bachelor of Science (Honours)

Majoring in :

- Biology
- Instrumentation Science
- Chemistry
- Petroleum Chemistry
- Statistics
- Physics
- Materials Science
- Industrial Chemistry
- Mathematics

Bachelor of Science with Education (Honours)

Majoring in :

- Biology
- Physics

Postgraduate

Master of Science

Master of Applied Statistics

Doctor of Philosophy

Research Focus

- Natural products chemistry
- Oleochemistry
- Microwaves
- Environmental biology
- Ecotoxicology
- Ecology
- Genetics
- Numerical analysis and optimisation
- Nanoscience
- Theoretical and computational chemistry
- Sensor and instrumentation
- Quantum science and technology
- Pure and applied mathematics
- Statistics
- Material science
- Superconductors
- Dielectrics
- Biocatalyst
- Biodiversity
- Physiology



Achievements

- The quality of the Faculty's lecturers and research standards are recognised nationally and internationally. Each year, the academic team publishes hundreds of research articles and win numerous awards every year.
- The faculty has been one of the largest recipient of research grants in the university and continuously strives to surpass its excellent records.



Faculty of Food Science & Technology

Career Opportunities

Tremendous opportunities are available in both the private and public sectors as food analysers, food security officers, research officers, nutritionists, halal food enforcers, food entrepreneurs, manufacturing officers, food marketing officers, food products research and development executives.

Faculty of Food Science & Technology

The Faculty of Food Science and Technology at UPM is the most established institution of its kind in Malaysia.

The food service complex is equipped with state-of-the-art teaching facilities. It is the only one of its kind in the country, designed for food service management students. It comprises several labs used for practical classes (Culinary Lab, Demonstration Kitchen, Service Kitchen, Pastry Lab), a Seminar Room, a Deli and Restaurant.

The Faculty's Centre of Excellence for Food Safety Research (CEFSR) has emerged as one of the top research centres in the university while the Supercritical Fluid Center (SFC) was established with the objective of developing local researchers and experts in the production of fine chemicals, nutraceuticals and pharmaceuticals.

With nearly 30 years of experience, the postgraduate programme is recognised throughout South East and Central Asia.

Programmes Offered

Bachelor Degrees

Bachelor of Food Science and Technology

Bachelor of Science (Food Studies)

Postgraduate

Master of Science / Doctor of Philosophy in :

- Food Safety
- Food Science
- Food Technology
- Food Biotechnology
- Food Management
- Food Service

Research Focus

- Functional Foods
- Fats and Oils Technology
- Food Service and Management
- Food Safety and Quality
- Food Processing and Quality Assurance
- Food Biotechnology



Achievements

- The Ministry of Health Malaysia has selected the Faculty of Food Science and Technology as the institution of choice to establish the National Food Safety Research Centre (NFSR) due to the renowned research expertise of the Faculty members in food safety. This was immediately followed by the recognition and appointment of the NFSR as the information network coordinator in the field of Microbiological Risk Assessment (MRA) for the Asia-Pacific region by the Food and Agriculture organisation (FAO) of the United Nations Regional Office for Asia and the Pacific.
- Another historic milestone was the establishment of the Institute for Research on Halal Products. The institute is now playing a major role in the instituting of Halal issues in products marketed in Malaysia and for export.



Faculty of Human Ecology

Career Opportunities

Employment opportunities include as management consultants, company secretaries, finance managers, marketing executives, consumer protection officers, IT officers and administrators in both public and private sectors. Graduates of Bachelor of Music (Music Performance) are able to pursue jobs as members of symphony orchestra, classical concert musicians, music writers, music producers, music composers, music technicians, acoustic experts, music lecturers and music teachers.

Faculty of Human Ecology

The Faculty of Human Ecology (FHE) focuses on the development and well-being of human beings within the context of their environments. At present, FHE has five departments :

Human Development and Family Studies

Resource Management and Consumer Studies

Social and Development Sciences

Government and Civilisation Studies

Music

To facilitate the running of the first degree programmes, the External Education and Industrial Training Unit was formed. In accordance with the goals of a research university, two research Centres of Excellence, namely, the Family, Adolescent and Child Excellence Centre (FACE) and Sustainable Consumption Research Center (LESTARI) were established.

FHE is the only faculty in the country to offer Bachelor of Science (Human Development) and Bachelor of Consumer Studies.



Achievements

- FHE was appointed as the lead agency in 2010 by PERMATA Negara (national early childhood education and care programme), to manage and run the PERMATA Negara educators training programme. This appointment was in recognition of the Faculty staff who are experts in the field of child development. The staff have been involved in the programme as module writers and lead trainers since its launch in 2007.
- FHE star lecturer was recognised with the National Academician Award.

Research Focus

Pluralism, Music and Culture, Family, Adolescents and Child, Sustainable Consumption, Family and Consumer Economics, Community Empowerment, Gerontology.



Faculty of Modern Languages and Communication

Career Opportunities

Opportunities are abundant in the public and private sectors for the communication and languages sectors. They include, among others, jobs related to management, consultancy, training, advertising, public relations, business, entrepreneurship, publishing, education and research.

Faculty of Modern Languages and Communication

Active and exciting, the Faculty of Modern Languages and Communications (FMLC) manages four departments.

The Department of Malay Language conducts courses in the Malay language and literature.

The Department of English Language oversees courses in language and literature as well as the English language proficiency courses.

Arabic, Mandarin, French and German are offered as major courses by the Department of Foreign Languages. It also runs proficiency courses for Arabic, Japanese, Mandarin, Korean, Thai, French, Spanish, German, Tamil, Myanmarese, Persian and Russian.

The Department of Communication offers major courses in human communication, corporate communication, journalism, broadcasting, communication technology, mass communication and development communication.



Programmes Offered

Bachelor Degrees / Executive Undergraduate Programmes

Bachelor of Arts in :

- Malay Language and Linguistics
- English
- Foreign Language in Arabic major

Bachelor of Communication

Postgraduate

Master of Arts / Doctor of Philosophy

- Malay Language
- English Language
- Chinese Literature
- Discourse Studies
- Cultural and Literary Studies
- Literacy Studies
- Malay Literature
- English Literature
- Arabic Language
- Applied Comparative Linguistics
- Translation and Interpretation

Master of Science (Communication) /
Doctor of Philosophy (Communication)
Master of Malay Language
Master of Malay Literature
Master of Applied Linguistics
Master of World Literature
Master of Corporate Communication

Areas of Expertise

- Language Studies (Malay, English, Arabic, Mandarin, German, French)
- Applied Linguistics
- Language Testing
- Language Acquisition
- Languages for Specific Purposes
- Literature, Culture and Gender Studies
- Media Communication, Communication Technology and Development
- Communication Excellence in Organisation and Culture
- Corporate Communication

Achievements

The Faculty of Modern Languages and Communication runs a Campus Radio Station for UPM, known as Putra FM. Putra FM, which collaborates with RTM, is the first digital radio station of its kind in a Malaysian university.



Faculty of Design and Architecture

Career Opportunities

Qualified graduates may pursue to become architects and professional consultants in built environment. Graduates may also be hired as project managers in the construction and development sectors as well as researchers who are sensitive to architectural design and sustainability.

Faculty of Design and Architecture

The Faculty of Design and Architecture began with the Department of Landscape Architecture in 1996. The Faculty has come a long way since by including the Department of Industrial Design and the Department of Architecture into its portfolio.

Operating from a complex of stylish buildings, complete with up-to-date learning equipment and facilities, the focus of the Faculty is to train students to research, innovate and provide professional services to design sustainable development.

Programmes Offered

Bachelor Degrees

- Bachelor of Landscape Architecture
- Bachelor of Science in Architecture
- Bachelor of Architecture
- Bachelor of Design (Industrial Design)

Postgraduate

Master of Landscape Architecture (MLA) Without Thesis

Master of Science (MS) with Thesis

- Landscape Studies
- Architectural Studies
- Urban Planning and Design
- Integrated Design Studies

Doctor of Philosophy (PhD)

- Landscape Studies
- Architectural Studies
- Urban Planning and Design
- Integrated Design Studies

Research Focus

- Environmental Design Behaviour (EDB)
- Environmental Design Technologies and Systems (EDTS)
- Environmental Design Integration (EDI)



Achievements

- Developed the "Sustainable Tropical Design, Research and Practice", a reference for research and practice on sustainable design in the tropics. It positions designers as the "creative integrators" of advance technologies with the everyday needs of users and their communities.
- Produced award-winning students, namely winning the International Sustainable Architecture Competition held in Italy during the SAIE Selection 2010.



Faculty of Medicine and Health Sciences

Career Opportunities

The programme produces professional graduates who fulfill the demands of the public and private sectors in the field of medicine and health sciences. They emerge as medical doctors, dieticians, laboratory consultants, forensic mechanics, clinical nurses, nursing experts, science officers, safety and health executives, health inspectors, consultants, quality officers, researchers, lecturers, project coordinators relating to health sciences and many more.

Faculty of Medicine and Health Sciences

The Faculty of Medicine and Health Sciences is a complete faculty comprising numerous departments, including the Department of Paediatrics to Psychology and Community Health. The Faculty is located at an academic complex next to Hospital Serdang. It facilitates the active learning of over 1,500 undergraduate and graduate students through practical training and opportunities offered for a multitude of research works.

The complex has many facilities which include administration building, library, lecture halls, tutorial rooms and teaching and research laboratories. In addition, there are four blocks of students' hostels with the capacity to accommodate 2,000 students, a student centre and a food court.



Programmes Offered

Bachelor Degrees

Doctor of Medicine

Bachelor of Science

- Dietetics
- Nutrition and Community Health
- Environmental and Occupational Health
- Biomedical Science

Bachelor of Nursing

Postgraduate

Master of Science

Doctor of Philosophy

Research Focus

- Stem Cells
- Community Health
- Nutrition and Health
- Allergies
- Cardiovascular Disease
- Haruan Research
- Molecular Diagnostics
- Cancer
- HIV / Substances Abuse
- Mental Health
- Thalassemia

Achievements

Students are given the platform to shine in a number of research works that in turn benefits the nation and mankind. Numerous awards received locally and internationally as well as well-received publications maintain a flourishing research culture.



Faculty of Computer Science and Information Technology

Career Opportunities

The employment potential for this programme is vast with graduates seeking to be systems analysts or information system officers, database administrators, multimedia software developers, software engineers, network and distributed systems managers, network programmers, systems engineers, software consultants, knowledge database engineers, lecturers, researchers, and many more.

Faculty of Computer Science and Information Technology

The global evolution and significance of computer studies and research were strategically harnessed by UPM in the 1980s. Since then, the Faculty of Computer Science and Information Technology has kept pace with the rapid growth of the industry. What began with only courses in the Diploma and Bachelor of Computer Science, has now expanded significantly to meet the demands of the industry.

Unique factors of the Faculty are its methods in applying knowledge management and the promotion of online teaching material. Small classes also enable students to receive personal attention and guidance from the Faculty members.

Currently, the Faculty constitutes four departments : Department of Multimedia, Department of Computer Science, Department of Information Systems and Department of Communication Technology and Networks.

Programmes Offered

Bachelor Degrees

Bachelor of Computer Science

- Computer Systems
- Multimedia
- Software Engineering
- Computer Networks

Postgraduate

Master of Science / Doctor of Philosophy (with Thesis – Research)

- Computer Graphics
- Computer Networks
- Computer Vision
- Database Systems
- Information Systems
- Information Retrieval
- Intelligent Computing
- Knowledge Management
- Multimedia Information Retrieval
- Multimedia Systems
- Parallel and Distributed Computing
- Software Engineering
- Security in Computing
- Multimedia Systems
- Programming Languages and Systems

Master of Computer Science (without Thesis – Course Work)

Research Focus

- Information Security
- Intelligence Computing
- Software Engineering
- Applied Informatics
- Wireless and Mobile Network
- Multimedia Information Retrieval
- Network, Parallel and Distributed Computing
- Computer Graphics, Vision and Visualisation
- Database Technologies and Application



Achievements

- Inventions and innovations put out by the Faculty win awards on an annual basis.
- The Faculty has two patents under its name, and also a range of published works that are shared with the industry.



Faculty of Biotechnology and Biomolecular Sciences

Career Opportunities

Career opportunities exist in the industries of biotechnology and biomolecular sciences (Biochemical and Microbiology), research institutes, government departments and institutes of higher learning. Some of the companies and institutions involved in these industries are Unilever, Ajinomoto, NOVO Nordisk, B.Braun, Guinness, Glaxo, Setron, Asiagreen, Green Note, MPOB, MARDI FRIM, RRIM, MINT, the Prime Minister's Department, Ministry of Science, Technology & Innovation, Ministry of International Trade and Industry, Ministry of Education and Ministry of Agriculture and Agro-based Industry.

Faculty of Biotechnology and Biomolecular Sciences

In year 2020, according to the National Biotechnology Policy, it is estimated that 280,000 jobs will be created in the biotechnology sector in the nation. The need for the biotechnology sector is urgent in the search for new and alternative solutions to serve mankind.

The Faculty of Biotechnology and Biomolecular Sciences (Biotech UPM) was established in 2004 with the merger of the two departments. The Faculty comes with well-equipped laboratories and a widely experienced academic staff, with lecturers to professors holding PhDs in their respective fields and possessing broad scientific knowledge.

BioTech UPM has four departments - Department of Biochemistry, Department of Bioprocess Technology, Department of Cell and Molecular Biology, and Department of Microbiology.



Programmes Offered

Bachelor Degrees

- Bachelor of Science (Hons)
- Biochemistry
- Cell and Molecular Biology
- Biotechnology
- Microbiology

Postgraduate

Master of Science / Doctor of Philosophy

- Animal Cell Biotechnology
- Bioinformatics and Systems Biology
- Food and Enzyme Biotechnology
- Microbial Biotechnology
- Nanobiotechnology
- Structural Biology
- Genetic Engineering and Molecular Biology
- Biochemistry
- Environmental Biotechnology
- Industrial Biotechnology
- Microbiology
- Plant Biotechnology

Research Focus

- Industrial Biotechnology
- Plant Biotechnology
- Microbial Biotechnology
- Environmental Biotechnology
- Biomedical Biotechnology
- Fundamental Biotechnology

Achievements

The active research has resulted in a number of awards won every year from various disciplines under the Faculty.



Faculty of Environmental Studies

Career Opportunities

Employment choices for qualified graduates include control officers in the Department of Environment, research officers and environment executives in government departments, statutory bodies and the private sector such as MACRES, FRIM, state governments, SIRIM, ESSO, Petronas, Shell, water supply companies, environmental consultants and many more.

Faculty of Environmental Studies

The Faculty of Environmental Studies of UPM is the only academic body offering a degree in environmental science and management in Malaysia at the Bachelor, Master and Doctoral levels, and was the first to introduce an environment programme in Southeast Asia.

The Faculty has two departments – Department of Environmental Sciences and Department of Environmental Management.

Programmes Offered

Bachelor Degrees

Bachelor of Environmental Science and Technology

Bachelor of Environmental Management

Postgraduate

Master of Environment

Master of Science

Doctor of Philosophy



Research Focus

- Environmental Forensics
- Integrated Environmental Sustainability
- Environmental Quality and Conservation
- Environmental Pollution Control Technology
- Environmental Systems and Processes
- Environmental Analysis and Modelling
- Environmental Hydrology and Hydrogeology
- Marine and Freshwater Ecosystems
- Environmental Planning and Management
- Environmental Economics
- Environmental Policy and Governance
- Environmental Ethics
- Environmental Education

Achievements

- The Faculty of Environmental Studies is recognised as a 5-star faculty in terms of research achievements through Malaysian Research Assessment Instrument (MyRA) ratings by the Malaysian Ministry of Higher Education.
- Received more than RM2 million in research funds from both domestic and international sponsors for its Centre of Excellence for Environmental Forensics Centre which has produced numerous publications especially in international peer-reviewed journals.
- Seminars were successfully hosted and the Centre received many international visits.
- The Centre has also been appointed as an Education and Research Base (E&R Base) by Tokyo University of Agriculture and Technology, Japan. The two main functions of the E&R Base are to assist in the implementation of Overseas Field Training and Internship and to conduct routine environmental monitoring for the accumulation of field-based information.



Faculty of Agriculture and Food Sciences

Career Opportunities

While not limited, careers for this programme are in the manufacturing (livestock and crops) sectors, processing industries, industries related to industrial waste management, officers in agriculture, fishery, livestock, forestry, farming, agricultural engineering and agricultural businesses.

Faculty of Agriculture and Food Sciences (UPMKB)

The Faculty of Agriculture and Food Sciences is unique as it is located in Universiti Putra Malaysia Bintulu Sarawak Campus (UPMKB) in East Malaysia. Today, the Faculty is the one of its kind to focus on agro-bio fields such as agriculture, forestry, fishery, environment and social science (ethnic and society).

Relevant and competitive academic programmes in agriculture and bio-resource fields are offered, in addition to the substantial investments made in the Faculty's R&D systems to produce multi-talented graduates. A collaborative network with private and public sectors of the industrial community has also been established to ensure UPMKB's academic programmes are in line with educational philosophies and fulfill market demands.

The Departments that make the Faculty are Crop Science, Forestry Science, Animal Sciences and Fishery, Basic Science and Engineering and Social Sciences.



Programmes Offered

Diploma

- Diploma Preparation Programme
- Agriculture
- Fishery
- Animal Health and Production
- Food Estate Management
- Forestry
- Agricultural Engineering
- Agribusiness

Bachelor Degree

- Bachelor of Bioindustry Science (Hons)

Postgraduate

Master of Science / Doctor of Philosophy

- Agronomy
- Entomology
- Horticulture
- Land Resource Management
- Plant Pathology
- Forestry
- Aquaculture
- Aquatic Biology
- Marine Biology and Ecology
- Animal Production
- Parks and Recreation Management
- Wood Science and Technology

Research Focus

- Agriculture
- Fishery
- Livestock
- Nutrition
- Forestry
- Environment

Achievements

- The competitive culture in the research university has created a platform that annually produces many award recipients from the Faculty.
- Another proud achievement is the Green Book Programme that provides students with early exposure to the importance of agriculture, especially in the agri-food sectors. The programme has paved the way for successful commercialisation of agricultural products.



Institutes

- 1 Institute for
Social Sciences Studies (IPSAS)
- 2 Institute for
Mathematical Research
- 3 Institute of
Advanced Technology
- 4 Institute of
Agricultural & Food Policy Studies
- 5 Institute of
Bioscience
- 6 Institute of
Halal Products Research
- 7 Institute of
Tropical Agriculture
- 9 Institute of
Tropical Forestry & Forest Products
- 10 Institute of
Gerontology

Schools

- 1 School of Graduate Studies
- 2 Graduate School of Management

Academy

- 1 UPM Sports Academy



Institute for Social Sciences Studies (IPSAS)

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Institute for Social Sciences Studies (IPSAS)

Dedicated to the study of contemporary social, political and economic issues, the Institute for Social Science Studies (IPSAS) makes meaningful contribution to the nation and policy makers through research findings and recommendations.

IPSAS is the only institute in the nation to focus on Youth Development, where Youth Contemporary issues and needs are addressed in a globalised context. As a niche researcher in this field, IPSAS has forwarded research strategies on youth empowerment that accentuates youth potential.

Research Programmes

- Community Education and Development
- Youth Studies
- Rural Advancement
- Peace Studies
- Leadership Studies



www.twitter.com/IPSAS UPM



www.facebook.com/IPSAS-Institute for Social Science Studies, UPM

www.ipsas.upm.edu.my



Institute for Mathematical Research

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Institute for Mathematical Research

INSPEM or the Institute for Mathematical Research focuses on its main activities in planning, identifying and implementing research in Cryptography, Analysis and Structure, Computational Statistics and Operations Research, Computational Sciences, and Mathematical Physics. and Ethnomathematics and Didactics.

The institute also functions as a two-way conduit between the public and private agencies in providing mathematical solutions. Simultaneously, aggressive efforts are channelled into collaborative researches with agencies from within and outside UPM.

In establishing INSPEM as a world-class mathematics research institute, the institute has published well-received works in various sources, and received ever-growing grants and consistently produced award-winning researches locally and internationally.

Laboratories

- Laboratory of Theoretical Studies
- Laboratory of Allied and Computational Statistics
- Laboratory of Computational Sciences and Informatics
- Laboratory of Innovational Methods in Education

Research Programmes

- Cryptography and Computational Number Theory
- Structural Theory of Algebras
- Functional Analysis and Topology
- Modelling and Computational Statistics
- Reliability Analysis
- Computational Operations Research
- Mathematical Physics and Engineering
- Complex Systems
- Computational Mathematics and Scientific Computing
- Ethnomathematics
- Didactics of Mathematics
- Technology in Mathematics



INSTITUT TEKNOLOGI

<http://www.itma.upm.edu.my>

Institute of Advanced Technology

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Institute of Advanced Technology

The Institute of Advanced Technology (ITMA), established in 1999, is a dynamic interdisciplinary advanced research institute – Physical Sciences, Information Technology and Engineering. ITMA provides leadership in research and development in Green and Sustainable technologies in areas such as Nanotechnology, Sensor Technology, Eco Products, Green Technology, and Remote Sensing and Spatial Modelling. These areas are not discrete.

Nanotechnology offers solutions to Green and Sustainable issues, Sensor Technology supports the macro environmental requirement determined by Remote Sensing and Spatial Modeling.

ITMA shares its research findings, expertise and facilities with research communities and industries throughout the world.

Objectives

- Undertake, coordinate and lead multidisciplinary research and development in cutting-edge areas of advanced technology.
- Offer postgraduate training programmes at the MSc and PhD levels in niche areas.
- Develop a centre for dissemination of knowledge and innovative technology and network with universities, laboratories and industries globally.

Laboratories

Four well-equipped laboratories are available in facilitating research in the combined areas of science and engineering, which support the advancement of sustainable technologies through interdisciplinary programmes, and collaboration with research communities throughout the world

- 1 Advanced Materials and Nanotechnology Laboratory (AMNL)
- 2 Spatial and Numerical Modelling Laboratory (SNML)
- 3 Sensor Technology and Green Laboratory (GESTL)
- 4 Sustainable Technology Laboratory (STL)



Areas of Expertise

- Nanomaterials
- Nanoapplications
- Spatial Modelling
- Remote Sensing
- Green Technology
- Eco Products
- Smart Sensing Materials

Research Programmes

- Advanced Materials Engineering
- Nano-Materials and Nano-Technology
- Energy Engineering
- Remote Sensing
- Spatial Information Engineering
- GIS and Geometric Engineering
- Green Engineering
- Automotive Engineering
- Sustainable Technology
- Sensor Technology Engineering
- Smart Sensing Materials



Institute of Agricultural & Food Policy Studies

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Institute of Agricultural & Food Policy Studies

The Institute of Agricultural and Food Policy Studies (IKDPM) focuses on providing solutions to sustainable agricultural development in the face of depletion in global resources. A proactive stance is taken in contributing to the government and private institutions, encompassing agricultural strategies and policy suggestions that are founded on the results of analytical and empirical research and development as well as providing policies evaluations to policy makers.

Various grants from local and international agencies and numerous publications enable further developments for meaningful R&D works conducted at the institute.

IKDPM core activities are research, consultancies and public service in :

- Analysing the impact of macro policy changes, locally and globally, on the agriculture and food sectors;
- Providing policy options for major problems that constrain the agriculture and food sectors; and
- Identifying and analysing current and future issues in agriculture, food and natural resources.

Laboratories

- 1 Bio-resources and Environmental Policy Laboratory
- 2 Marketing and Trade Policy Laboratory
- 3 Agricultural Production and Food Policy Laboratory

Research Programmes

- Bio-resource and environment
- Economics and resource management (water, land, fuel, forestry, fishery)
- Agriculture and food trade
- Agricultural marketing
- Commodity price analysis
- Commodity market analysis
- Forecasting model
- Policy simulation
- Agribusiness, agribusiness management
- Competitiveness and trade advantage
- Food supply chain analysis





Institute of Bioscience

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Institute of Bioscience

The Institute of Bioscience (IBS) is a premier research centre that offers a conducive and world class research environment. The centre houses one of the best facilities for biomedical and biotechnology related research in the university alongside more than 60 IBS scientists with expertise in various fields such as veterinary, marine and biomedical sciences, biotechnology, agriculture and engineering.

IBS research niche is Molecular Biomedicine and Therapeutics, focusing on cutting edge interdisciplinary research in diagnostics and therapeutics against infectious diseases including cancer; discovery of new entities, such as drugs, nutraceuticals and nutraceuticals from natural resources; development of vaccines; and marine biotechnology.

IBS also works in tandem with prestigious universities and agencies around the world in search of novel ideas and generate beneficial innovations for the benefit of the global community. IBS is also recognised by the Ministry of Higher Education as one of the six Higher Institution Centres of Excellence (HICoE) in the country for research in animal vaccines and therapeutics.

Achievements

- Received the highest research grant amounting to RM120 million in the last seven years.
- Produced 5 commercial products, 22 patents and 117 patents pending.
- Established a few core facilities for research and services such as the Microscopy Unit, Fermentation Technology Unit, Rodent Breeding and Testing Facility, High-end Spectroscopy Facility, Certified BSL3 and ABSL3 Laboratory, and GMP Bacterial Vaccine Plant (2012).
- Maintains a 2-ha Agriculture Conservatory Park which has a collection of more than 500 species of medicinal plants for research and teaching.

Laboratories

- 1 Laboratory of Natural Products (LHS)
- 2 Laboratory of Molecular Biomedicine (MOLEMED)
- 3 Laboratory of Industrial Biotechnology (BIOIND)
- 4 Laboratory of Marine Science and Aquaculture (MARSLAB)
- 5 Laboratory of Cancer Research IPM-Makna (CANRES)



Research Programmes

- Natural Products Discovery
- Metabolomics
- Vaccines and Diagnostics
- Immunotherapeutics
- Probiotic and Prebiotic Technology
- Nutri-Cosmeceutical and Nutrigenomics
- Therapeutics & Engineered Protein
- Bioprocess & Delivery System of Biotherapeutics
- Translational Genomics
- Cancer Diagnostics and Therapeutics
- AquaMedicine
- Aquatic Diagnostics & Health Management



Institute of Halal Products Research

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Institute of Halal Products Research

The halal products market is growing by leaps and bounds worldwide. As trade and competition increase, so does the potential for development in this sector. The global market value for trade in halal products is estimated at USD\$2.1 trillion annually, mostly catering to about 2 billion Muslims, 60% of whom are located in Asia. With incremental increase in the Muslim population, the demand for halal products will be immense. The industry is huge, encompassing food-based products, consumer products, cosmetics, toiletries, nutraceuticals, and pharmaceuticals.

The Halal Products Research Institute was established to enable concerted efforts to be made in the research and development of halal products. It is a one-stop-centre utilising multiple, integrated approaches aimed at taking the halal products to international level. The Institute also extends to the areas of business such as banking, marketing and management, assisting the country in becoming the world's premier halal hub.

Halal Products Research Institute is the first academic institution in the world that offers Master and Doctorate programmes in the Halal sector. Numerous awards have been won locally and internationally. *Bis millab in est, iminulpa dus ilique east porit, se vellesint velectate endestemqui occus ipsunt dicit hiliatum re laut omnis et lanitae cusdam niet porro voluptaque venis est vide eum alignis cidellab in conest,*

Laboratories

- 1 Laboratory of Analysis & Authentication
- 2 Laboratory of Policy and Management
- 3 Laboratory of Product and Process Innovation

Research Programmes

- Shariah
- Edible Fats and Oils
- Meat Quality
- Slaughter Management
- Food Science & Technology
- Food Processing & Engineering
- Molecular Biology
- Nutraceutical & Pharmaceutical
- Cosmetics
- Halal Business & Marketing



Areas of Expertise

- Halal Analysis and Authentication
- Halalan Toyyiban
- Halal Products Innovation
- Halal Business and Management
- Shariah and Halal Laws
- Halal Slaughtering Management



Institute of Tropical Agriculture

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Institute of Tropical Agriculture

The Institute of Tropical Agriculture (ITA) is a focal point for impactful research in humane and sustainable agriculture, focusing on issues of food security. The institute has made significant achievements in terms of high quality research outputs and is a destination of choice for highly talented researchers, academics and postgraduate students in tropical agriculture research.

Researches carried out are multidisciplinary in nature yet in selected focus areas, taking into account high value chain aspects. Emphasis is also given to close collaboration with international institutions and industrial players.

ITA is carving a name for itself as an internationally recognised research centre of excellence in tropical agriculture. The institute has won numerous awards on the local and international platforms and is also the recipient of a variety of grants, one namely amounting to RM10 million grant from the Ministry of Higher Education to undertake research to increase rice productivity in Malaysia. The most recent state of the art achievement is the development of a transgenic plant research – a greenhouse equipped with facilities of international standards.

Laboratories

- 1 Laboratory of Food Crops
- 2 Laboratory of Animal Production
- 3 Laboratory of Plantation Crops

Areas of Expertise

- Food Crops
- Animal Production
- Plantation Crops



Research Programmes

- Agronomy
- Agrotechnology
- Animal Production
- Entomology
- Genetics and Animal Breeding
- Horticulture
- Land Resource Management
- Plant Pathology
- Molecular Biology
- Animal Cell Biotechnology
- Genetic Engineering and Molecular Biology
- Microbial Biotechnology
- Plant Biotechnology
- Bioinformatics and Systems Biology
- Plant Physiology
- Genomics / Proteomics
- Molecular Biotechnology
- Plant Metabolite Engineering
- Transgenic Technology
- Animal Biotechnology
- Animal Feed Technology
- Animal Production Integrated System
- Post-Harvest Technology
- Genetics and Breeding
- Soil Fertility and Plant Nutrition
- Environmental Plant Physiology
- Biointensive Pest Management



Institute of Tropical Forestry & Forest Products

CONTACT

Director
**Institute of Tropical Forestry
and Forest Products**
Universiti Putra Malaysia
43400 UPM Serdang,
Selangor Darul Ehsan, Malaysia

Tel : 603-8946 6977
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Email : parida_introb@yahoo.com

Institute of Tropical Forestry & Forest Products

The Institute of Tropical Forestry and Forest Products (INTROP) was set up to provide solutions to serious issues such as the dwindling supply of natural resources and the optimisation of bioresources.

INTROP's activities focus on forest canopy management, bioresources valuation and sustainability, sustainable utilisation of biocomposite products, product development and innovation, and also market exploration and competitiveness. INTROP also actively fosters smart partnership, capacity building, and human development and is also developing local and international collaborations to further enhance its research capacity and resources.

Visiting scientists and researchers from countries such as France, Iran, Indonesia, India, New Zealand, Austria, Thailand, Bangladesh, Indonesia and the United Kingdom were have been received to carry out joint research activities and foster international relations.

INTROP is the first and only institute dealing with the complete value chain starting from the upstream to the midstream and downstream programmes. Researchers come from various disciplines such as Forestry, Engineering, Science, and Economics.

Today, INTROP has been recognised as the leader in wood/fibre resources, development of biocomposites, product standards, and commercialisation.

Achievements

- Impressive achievements in research, awards and patents.
- Received research grants worth RM14.3 million and RM3.1 million for research innovation and commercialisation activities
- Holds the rights to 1 international patent and 14 patents pending (national level)

Laboratories

- 1 Laboratory of Biodiversity and Conservation
- 2 Laboratory of Sustainable Bioresource Management
- 3 Laboratory of Biocomposite Technology
- 4 Laboratory of Biopolymer and Derivatives
- 5 Laboratory of Techno Economics and Policy
- 6 Advanced laboratory of Fiber Characterisation
- 7 Advanced Laboratory of Biocomposite Development and Innovation

Areas of Expertise

- Tropical Forest Ecosystem Management
- Bioresources Selection and Plantation
- Biocomposite Technology and Product Design
- Fibre Processing and Characterisation
- Biopolymers and Derivatives
- Pulp & Paper Technology and Pollution Control
- Nature Tourism
- Ecosystem Services

Two niche areas have been formed to study Bio-renewable Composites and Ecotourism

Research Programmes

- Biocomposite Technology
- Forest Disturbance Impact Evaluation
- Conservation and Forest Canopy Management
- Bioresources Management
- Nature Tourism
- Biocomposite Product Design
- Pulp and Paper Technology
- Biopolymer and Derivatives
- Bioresources Valuation
- Techno Economic in Biocomposite.



Institute of Gerontology

CONTACT

Director
Institute of Gerontology,
Universiti Putra Malaysia
43400 UPM Serdang,
Selangor Darul Ehsan, Malaysia

Tel : 603-8947 2750 / 2751
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Institute of Gerontology

Rapid ageing of the population in Malaysia led to the establishment of the Institute of Gerontology (IG) in mid-2002. Its mission is to conduct research contributing to the well-being of senior Malaysians. Research at the institute covers a wide area of old age and ageing through a multidisciplinary approach.

Though new, the institute has accomplished various achievements in the form of local and international grants, published works and collaborative efforts with its research partners. IG has also developed collaborative linkages with global partners such as the United Nations International Institute on Ageing (INIA) in Malta and the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) in Bangkok. The Institute's extensive research network grew out of our cooperation with colleagues in Malaysia as well as Singapore, Indonesia, Australia and the United States of America. Through the graduate studies programme in gerontology, IG aims to nurture a new generation of researchers in the field of old age and ageing.

The Institute is set to be a regional and international centre of excellence in gerontological research, education and professional services. IG is currently the leading research centre for old age and aging in Malaysia.

Laboratories

- 1 Laboratory of Social Gerontology
- 2 Laboratory of Medical Gerontology
- 3 Laboratory of Gerontechnology

Research Programmes

- Productive Ageing
- Changing Family Structure and Functions
- Gerontological Policy
- Healthy Ageing
- Age-Related Disorders
- Ageing and the Environment
- Ergonomics and Product Development





School of Graduate Studies (SGS)

APPLICATION FOR ADMISSION

For any queries or further information on GSM, programmes, admission and application, service and resources, staff and faculty members can be obtained

Dean
School of Graduate Studies
Universiti Putra Malaysia

Zone 4, Off Jalan Stadium, 43400 UPM Serdang, Selangor.
Tel : (603) 8946 4218 / 4223 / 4228 Fax : (603) 8943 2509 / 8946 4232
Email : admission@putra.upm.edu.my

School of GRADUATE STUDIES (SGS)

Universiti Putra Malaysia (UPM) is one of Malaysia's premier universities with a long-established reputation in teaching and research. As one of the nation's five leading research universities (RU), UPM is highly committed to the discovery of knowledge, and offers only the finest of learning experiences to its students. UPM's postgraduate studies programmes are managed and promoted by the School of Graduate Studies (SGS), a prestigious institution that supports UPM's specific focus on the pursuit of knowledge and skills, and has over the years come to be seen as one of the best graduate schools in the country.

- One of the nation's 5 leading Research Universities (RU)
- Highest number of academic staff with PhD qualifications
- Produces the highest number of PhD students among Malaysian public universities
- Highest amount of research grants in the last 20 years
- Produces more than half the nation's commercialised R&D products

Graduate Programmes

The graduate programmes offered by the University are categorised as follows :

- Degree with Thesis – PhD and Master
- Degree without Thesis – Master with coursework
- Industrial PhD*
- Jointly Awarded PhD Degree : Universiti Putra Malaysia and University of Sheffield, United Kingdom*

*Please refer to our website for further information

Master or PhD Degree with Thesis

Students pursuing the Master or PhD degree with thesis shall :

- Complete a minimum of 9 credits (Master's Degree programme) and a minimum of 12 credits (PhD Degree programme) of coursework;
- Submit a thesis for examination at the end of the programme; and
- Comply with the specific requirements of the relevant graduate programme, if any.

Master Degree without Thesis

Students pursuing the Master degree without thesis shall fulfill a minimum of 40 credits of coursework. The submission of a thesis is not a requirement but a student may be required to :

- Submit a project report or case study equivalent to 4 – 6 credits; or

- In cases where a project or case study is not required, a student is required to register additional courses to fulfill the requirements of 40 credits and pass a Comprehensive Examination which adheres to the following rules :

- A Comprehensive Examination shall be conducted at the end of the final semester.
- A student will be given two opportunities to pass the examination.
- The second examination (if necessary) must be taken within sixty (60) days after the first examination.
- Failure on the second attempt will result in termination of candidature.

Master Degree Programme

- An applicant with a good scholastic achievement in the Bachelor degree or its equivalent (subject to specific programme requirements).
- An applicant without sufficient academic qualification but possessing evidence of adequate related research or work experience may also apply for admission.
- A student in the final semester of undergraduate study may apply for provisional admission provided his current CGPA satisfies the programme requirement.

Doctoral Degree Programme

- An applicant must possess a Master degree or its equivalent.
- An applicant with an outstanding Bachelor degree with CGPA of 3.750 and above or equivalent to first class honours may, subject to any other requirements, also apply for direct admission into a PhD degree programme.
- An application for provisional admission may also be made by a student who has submitted his Master thesis for examination.

Language Requirements

- A Malaysian candidate must have obtained at least a credit in English at Sijil Pelajaran Malaysia level or have passed English courses conducted at the Diploma or Bachelor level.
- All international candidates from countries where English is not a medium of instruction must have obtained a minimum score of 550 for TOEFL or Band 6 for IELTS. For Malay and Foreign Language Studies the candidate must have obtained a minimum score of 450 for TOEFL or Band 5.0 for IELTS.
- Provisional admission may be granted to an interested applicant who has obtained a score of 500-549 for TOEFL or Band 5.5 for IELTS or its equivalent, who upon registration, is required to enroll and pass the Tertiary English Programme conducted by the University.

Provisional admission is not applicable to those applying for :

- Applied Comparative Linguistics
- Applied Linguistics
- Cultural and and Literary Studies
- Discourse Studies
- English Language
- English Literature
- Literacy Studies
- Teaching of English as a Second Language (TESL)
- Translation and Interpretation



PROGRAMMES WITH THESIS (RESEARCH)***Master of Arts (M.A.)****Master of Science (M.Sc.)****Master of Veterinary Science (M.V.Sc.)****Doctor of Philosophy (Ph.D.)****Doctor of Engineering (D.ENG.)**

*Subject to change from time to time

Fields of Study

Agriculture

Agribusiness
 Agricultural Botany
 Agricultural Economics
 Agronomy
 Agrotechnology
 Animal Behavior and Welfare
 Animal Breeding and Genetics
 Animal Nutrition
 Animal Physiology
 Animal Production
 Animal Waste Management
 Aquaculture and Marine Biotechnology
 Aquaculture Genetics and Reproduction
 Aquaculture Nutrition
 Aquaculture Production Technology
 Aquatic Biology and Ecology
 Crop Production and Physiology
 Entomology
 Fish Health Management
 Genetics and Plant Breeding
 Horticulture
 Land Resource Management
 Meat Sciences
 Pest Management
 Pesticide Toxicology
 Plant Pathology
 Plantation Management Science
 Precision Agriculture
 Seed Science and Technology
 Soil Conservation and Water Management
 Soil Fertility and Plant Nutrition
 Soil Science
 Vertebrate Pest
 Weed Science

**Agriculture and Food Sciences
(Bintulu Sarawak Campus)**

Agribusiness
 Agricultural Economics
 Agronomy

Agrotechnology
 Analytical Chemistry
 Animal Production
 Aquaculture
 Aquatic Biology
 Biochemistry
 Chemistry
 Entomology
 Environmental Chemistry
 Forest Ecology
 Forest Rehabilitation
 Forestry
 Horticulture
 Land Resource Management
 Marine Ecology and Biology
 Microbial Biotechnology
 Microbiology
 Parks and Recreation Management
 Plant Biotechnology
 Plant Pathology
 Wood Science and Technology

Biotechnology and Biomolecular Sciences

Animal Cell Biotechnology
 Biochemistry
 Bioinformatics and Systems Biology
 Environmental Biotechnology
 Food and Enzyme Biotechnology
 Genetic Engineering and Molecular Biology
 Industrial Biotechnology
 Microbial Biotechnology
 Microbiology
 Nanobiotechnology
 Plant Biotechnology
 Structural Biology

Computer Science and Information Technology

Computer Graphics
 Computer Networks
 Computer Vision

Database Systems
 Information Retrieval
 Information Systems
 Intelligent Computing
 Knowledge Management
 Multimedia Information Retrieval
 Multimedia Systems
 Parallel and Distributed Computing
 Programming Languages and Systems
 Security in Computing

**Design and Architecture
Software Engineering**

Architectural Studies
 Integrated Design Studies
 Landscape Studies
 Urban Planning and Design

Economics and Management

Economics
 Hospitality
 Tourism

Educational Studies

Curriculum and Instruction
 Educational Administration
 Educational Psychology
 Educational Technology
 Extension Education
 Guidance and Counselling
 Human Resource Development
 Moral Education
 Physical Education
 Sociology of Education
 Sports Science
 Teaching of English as a Second Language
 Teaching of Malay as a First Language
 Teaching of Malay Literature
 Technical and Vocational Education

Engineering

Aerospace Engineering
 Agricultural Mechanisation and Automation
 Agricultural Process Engineering
 Agricultural Waste Engineering
 Biochemical Engineering
 Bioprocess Engineering
 Chemical Engineering
 Communications and Network Engineering
 Computational Methods in Engineering
 Computer and Embedded Systems Engineering
 Control and Automation Engineering
 Electrical Power Engineering
 Electronic Engineering
 Environmental Engineering
 Farm Structures
 Food Engineering
 Geotechnical and Geological Engineering
 Highway and Transportation Engineering
 Industrial Engineering
 Instrumentation Engineering
 Intelligent Systems Engineering
 Manufacturing Systems Engineering
 Material Science and Engineering
 Materials Engineering
 Mechanical Engineering
 Multimedia Systems Engineering
 Packaging Engineering
 Photonics and Fiber Optic Systems Engineering
 Post Harvest Engineering
 Process Engineering
 Safety and Emergency Management
 Safety, Health and Environment
 Sanitary and Environmental Engineering
 Soil and Water Engineering
 Structural Engineering
 Water Resources Engineering
 Wireless Communications Engineering

Environmental Studies

Environmental Analysis and Modelling
 Environmental Economics
 Environmental Education
 Environmental Ethics
 Environmental Hydrology and Hydrogeology
 Environmental Planning and Management
 Environmental Policy and Governance
 Environmental Pollution Control Technology
 Environmental Quality and Conservation
 Environmental Systems and Processes
 Marine and Fresh Water Ecosystem

Food Science and Technology

Food Biotechnology
 Food Management
 Food Safety
 Food Science
 Food Service
 Food Technology

Forestry

Forest Biotechnology
 Forest Botany
 Forest Economics and Policy
 Forest Engineering and Operation
 Forest Management and Conservation
 Forest Silviculture
 Recreation and Ecotourism Services
 Recreation Resources Management
 Urban Forestry
 Wildlife Ecology and Management
 Wood Composite Technology
 Wood Industry Management
 Wood Science and Technology

Human Ecology

Community Development
 Consumer Science
 Developmental Psychology
 Family Ecology
 Family Economics and Management
 Gender and Development
 Housing
 Human Development
 Music (Master only)
 Philosophy and Civilisation Studies
 Politics and Government
 Psychology of Child Development
 Social Psychology

Medicine and Health Sciences

Chemical Pathology
 Clinical Nutrition
 Community Health
 Community Nutrition
 Environmental Health
 Genetics
 Haematology
 Human Genetics
 Immunobiology
 Medical Microbiology
 Medical Parasitology
 Molecular Biology
 Molecular Medicine
 Nutritional Biochemistry
 Nutritional Sciences
 Occupational Health and Safety
 Pharmacology and Toxicology
 Physiology

Modern Languages and Communication

Applied Comparative Linguistics

Arabic Language
 Chinese Literature
 Cultural and Literary Studies
 Discourse Studies
 English Language
 Literacy Studies
 Malay Language
 Malay Literature
 Translation and Interpretation

Science

Algebra
 Analytical Chemistry
 Applied Mathematics
 Applied Optics
 Applied Radiation
 Biodiversity and Conservation of Natural Resources
 Biostatistics
 Catalysis
 Categorical Analysis
 Colloid Chemistry
 Communication Physics
 Computational and Theoretical Chemistry
 Dielectrics Science
 Distribution Theory
 Ecotoxicology
 Electrochemistry
 Environmental Biology
 Environmental Chemistry
 Experimental Designs
 Functional Analysis
 Graph Theory
 History of Mathematics
 Inference and Diagnostics
 Magnetic Materials
 Materials Chemistry
 Materials Science
 Mathematical Statistics
 Microwaves
 Multivariate Analysis
 Mycology and Plant Pathology
 Nanosciences
 Natural Products Chemistry
 Number Theory and Cryptography
 Numerical Analysis
 Oleochemistry
 Operations Research
 Plant and Animal Genetics
 Plant and Animal Physiology
 Polymer Chemistry
 Pure Mathematics
 Quantum Science and Technology
 Robust Statistics
 Sensors and Instrumentation
 Solar Energy
 Stability and Optimisation
 Stochastics Process
 Superconductors
 Survival Analysis
 Synthesis
 Theoretical Physics

Time Series and Spatial Analysis
Ultrasonics

Veterinary Medicine

Anaesthesiology*
Anatomy
Aquatic Animal Health
Avian Medicine*
Bacteriology
Epidemiology
Equine Medicine*
Haematology and Clinical Pathology
Histology
Immunology
Laboratory Animal Medicine*
Meat Sciences
Molecular Biology
Parasitology
Pathology
Pharmacology
Physiology
Public Health
Radiology*
Ruminant Medicine*
Small Animal Medicine*
Surgery*
Theriogenology and Cytogenetics
Toxicology
Virology
Wildlife Health
*fee rate is equivalent to medical field

Halal Products Research

Halal Products Science
Halal Products Development
Halal Products Management Syariah
Halal Laws

Mathematical Research

Analytic Method in Number Theory
Computational and Mathematical
Biology
Computational Mathematics
Fluid Dynamics
Functional Analysis and Topology
High Performance Computing and
Distributed Computing
Instructional Design and Technology
in Mathematics
Mathematical and Computational
Physics
Mathematical Cryptography
Network Theory and Application
Numerical Analysis
Pedagogy in Mathematics Education
Philosophy of Mathematics and
Ethnomathematics
Psychology of Teaching and Learning
Mathematics
Reliability Analysis

Scientific Computing and Applications
Statistical Computation and Inference
Statistical Modelling and Forecasting
Structural Theory of Algebras
Wave Propagation

Advanced Technology

Advanced Materials Engineering
Agricultural Robotics Engineering
Automotive Engineering
Biomedical Engineering
Computer Integrated System in
Manufacturing
Energy Engineering
GIS and Geomatic Engineering
Irrigation and Drainage Engineering
Nano-Materials and Nano-Technology
Precision Farming Engineering
Remote Sensing
Smart Technology and Robotics
Engineering
Spatial Information Engineering
Green Engineering
Sustainable Technology

Agricultural and Food Policy Studies

Agricultural Development Policy
Natural Resource Development Policy

Bioscience

Applied Microbiology
Aquatic Biotechnology
Bioinformatics
Bioprocess Engineering
Biotherapeutics
Cell Biology
Coastal Zone Management
Diagnostics
Enzyme Technology
Fermentation Technology
Genetic Diversity
Genomics-Proteomics
Immunology
Marine Ecology and Biodiversity
Medical Biotechnology
Medicinal Chemistry
Molecular Biotechnology
Oncology
Pharmacology
Phytochemistry
Plant Metabolite Engineering
Protein Engineering
Toxicology
Vaccine Technology

Gerontology

Gerontechnology
Gerontology
Social Gerontology

Social Science Studies

Community Education and
Development
Health Education and Communication
Leadership Studies
Peace Studies
Rural Advancement
Youth Studies

Tropical Agriculture

Agronomy
Agrotechnology
Animal Biotechnology
Animal Cell Biotechnology
Animal Feed Technology
Animal Production
Animal Production Integrated System
Bioinformatics and Systems Biology
Biointensive Pest Management
Entomology
Environmental Plant Physiology
Genetic Engineering and Molecular
Biology
Genetics and Animal Breeding
Genetics and Breeding
Genomics-Proteomics
Horticulture
Land Resource Management
Microbial Biotechnology
Molecular Biology
Molecular Biotechnology
Plant Biotechnology
Plant Metabolite Engineering
Plant Pathology
Plant Physiology
Post-Harvest Technology
Soil Fertility and Plant Nutrition
Transgenic Technology

Tropical Forestry and Forest Product

Biocomposite Product Design
Biocomposite Technology
Biopolymer and Derivatives
Bioresource Management
Bioresources Valuation
Conservation and Forest Canopy
Management
Forest Disturbance Impact Evaluation
Nature Tourism
Pulp and Paper Technology
Techno Economic in Biocomposite

PROGRAMMES WITHOUT THESIS (COURSEWORK)*

Fields of Study

Agriculture

Master of Plantation Management
Master of Land Resource
Management

Computer Science and Information Technology

Master of Computer Science

Economics and Management

Master of Economics

Design and Architecture

Master of Landscape Architecture*
(*Second Semester Intake Only)

Educational Studies

Master of Education

- Curriculum and Instruction
- Educational Administration
- Educational Psychology
- Educational Technology
- Guidance and Counseling
- Physical Education
- Sport Science
- Teaching of English as a Second
Language
(*First Semester Intake Only)
- Teaching of Malay as a First
Language
- Technical and Vocational
Education

Master of Human Resource
Development

Engineering

Master of Engineering Management
Master of Environmental Engineering
Master of Environmental Technology
Management
Master of Highway and Transportation
Engineering
Master of Innovation and Engineering
Design
Master of Manufacturing Systems
Engineering
Master of Process Safety and Loss
Prevention
Master of Remote Sensing and GIS
Master of Structural Engineering and
Constructions
Master of Water Engineering
Master of Water Management
Master of Emergency Response and
Planning

Environmental Studies

Master of Environment

Forestry

Master of Tropical Forest Resource
Management
Master of Wood Industry Technology

Medicine and Health Science

Master of Pathology (Without Credit
Fee)
(Application for admission is handled
by the Ministry of Health Malaysia)

Modern Languages and Communication

Master of Applied Linguistics
(Without credit fee)
Master of Corporate Communication
(Without credit fee)
Master of Malay Language
(Without credit fee)
Master of Malay Literature
(Without credit fee)
Master of World Literature
(Without credit fee)

Science

Master of Applied Statistics

Veterinary Medicine

Master of Veterinary Medicine
(Without Credit Fee)





Graduate School of Management

APPLICATION FOR ADMISSION

For any queries or further information on GSM, programmes, admission and application, services and resources, staff and faculty members can be obtained

Graduate School of Management

Tel : (603) 8946 7440 / 7441
Fax : (603) 8943 4019 / 8942 1584
Email : gsm@putra.upm.edu.my

Graduate School of Management

Drawing upon the strengths of UPM, which has the highest percentage of academic staff with PhD qualifications in the country, the Graduate School of Management (GSM) has attracted students from more than 50 countries around the world and currently we have over 1,000 local and international students.

GSM's reputation is sterling. It was listed as a graduate school offering one of Asia's Best MBA programmes in *Asiaweek* magazine (2000). In 2007, the Government of Malaysia identified GSM by as one of the top business schools in the country. Internationally, GSM was ranked by *Asia Inc.* magazine as the business schools offering the 7th Best MBA programme in South-East Asia for both 2003 and 2004.

With the due completion of its new building, GSM doubles its building space to accommodate more students and offer state-of-the-art facilities. The new building would be the university's iconic structure. Equipped with advanced facilities in the new building and wide experience in offering postgraduate management programmes, we progress to become a graduate business school of international repute.

GSM - Alumni

To date, we have over 2,000 alumni who have graduated from GSM since 1997. As we move forward and realise the importance of having a strong Alumni network, GSM Alumni Club was established in July 2007. Alumni play important roles in helping GSM build a solid network with the outside world, organise activities like seminars, job placements and annual dinners, and also become GSM ambassadors in promoting the school to the public and the industry.

Student - Centered Learning (SCL)

SCL is essentially an instructional method that challenges students to "learn to learn" while working cooperatively in groups to seek solutions to real-world problems. It has been described as a method that prepares students to think critically and analytically, and, to find and use appropriate learning resources. GSM's concern is to enhance critical thinking and problem-solving among students so that they would make a difference in the real world.

Programmes Offered

Master of Business Administration (MBA)

Master of Management (MM)

Master of Science (MS)

Doctor of Philosophy (PhD)

These programmes are designed specifically to meet the needs of businesses and practising managers. GSM maintains its status as a centre of excellence for management education in the Asia-Pacific region through quality teaching, market-driven research and professional services.

Language Proficiency Requirements

English Language

Malaysian applicants must have obtained at least a credit in English at Sijil Pelajaran Malaysia (SPM) level or have passed English courses conducted at the Diploma or Bachelor level.

All international candidates from countries, where English is not a medium of instruction, must have obtained a minimum TOEFL score of 550 or Band 6 for IELTS.

Provisional admission may be granted to an applicant who has obtained a TOEFL score of between 500 and 549 or Band 5 to 5.5 for IELTS or its equivalent. The applicant, who upon registration, is required to enrol for and pass the Tertiary English Programme conducted by the University before full admission to any postgraduate is granted.

Malay Language

All international students (except students from Indonesia and Brunei) must obtain a grade 'M' for the Malay Language course (BBM 1401 or its equivalent) to be eligible for conferral of a degree.

Note : M - Memuaskan/Satisfactory

Master of Business Administration (MBA)

The MBA programme at GSM was consecutively ranked as No. 1 in Malaysia by *Asia Inc.* magazine in 2003 and 2004. Students can specialise in any of these areas :

Finance • Environmental Management • Marketing • Agricultural Management • Human Resource Management • Food Service Management • International Business • Food Technology • General Management • Soil Management • Corporate Governance • Entrepreneurship in Biotechnology

Students are required to complete a total of 48 credit hours through any of these following modes :

• MBA 1-Year Programme

There are 4 quarters in an academic year with only 1-week break between quarters. Students need to register 12 credit hours (4 courses) per quarter. Each quarter consists of 13 weeks of lectures.

• 16-month Programme (day or evening)

Students have to register for 12 credit hours (4 courses) per trimester. Each trimester consists of 14 weeks of lectures. There are 4 trimesters in the 16-month period with 2 to 4 weeks of inter-trimester breaks.

• More than 16-month MBA Programme

Students have to register for not fewer than 6 credit hours per trimester and they can complete the programme within 24 months.

Students with full-time status are required to register for at least 9 credit hours per trimester and they are expected to complete the programme within 4 to 8 trimesters. Students with part-time status must register for at least 6 credit hours per trimester and they are expected to complete the programme within 6 to 8 trimesters.

Admission Requirements (MBA)

To qualify for the Master of Business Administration (MBA) programme, applicants must possess one of the following qualifications :

- An Honour's Degree with a CGPA of at least 2.75 or its equivalent. Applicants with a CGPA of below 2.75 will only be considered if he / she has a minimum GMAT (Graduate Management Admission Test) score of 550 or has had some working experience at managerial level in an organisation (1 year work experience is equivalent to 0.05 CGPA score); or
- A professional qualification that is recognised as being equivalent to (1) above;
- Other qualification that is approved by the UPM senate.

Classes & Student Intakes

• Morning Class

Classes are held on weekdays during office hours (9.00 am - 12.00 pm). There is only one intake for the morning classes in each academic year : in First trimester (September).

• Evening Class

Classes are held during the evenings on weekdays (6.30 pm - 9.30 pm). There are three (3) intakes for evening classes in each academic year : First (September), Second (February) and Third Trimester (November).

[TO CHECK ON ABOVE FOR SEMESTER DATES] *

Fees / Expenses (MBA)

Total Programme Fees (Morning Class)
RM 25,900 / USD 8,093 Malaysian Students
RM 43,800 / USD 13,687 International Students

Total Programme Fees (Evening Class)
RM 26,350 / USD 8,500 Malaysian Students

*All fees above are subject to change.

Master of Management (MM) (Information Technology)

This programme is designed for those who are involved in the information technology industry and would like to further their career in the area of technical and business management. It is also for those who aspire to be successful managers in the areas of IT and knowledge management. The period of study is 4 trimesters ($1\frac{1}{2}$ years).

The Master of Management (Information Technology) requires the successful completion of 36 credit hours including core and elective courses. Classes are held during the evenings on weekdays (6.30 pm - 9.30 pm). Intake is in First Trimester (September). At the end of the programme, students are required to sit for a comprehensive examination. This written examination covers all the courses studied in the programme.

Admission Requirements (MM)

To qualify for the Master of Management (Information Technology) (MM (IT)) programme, applicants must have one of the following qualifications :

- An Honours Degree with a CGPA of at least 2.500 or its equivalent with two years working experience; Applicants with a CGPA below 2.50 will be considered should they have held or are holding middle level management positions in organisations for at least 10 years; or
- A professional qualification recognised as the equivalent of the above; or,
- any other qualification that is approved by the UPM senate.



Fees / Expenses (MBA)

Total fees for the whole duration of study :
RM 19,900 / USD 5,937 Malaysian Students
RM 34,200 / USD 10,626 International Students

* All fees above are subject to change.

Master of Science (MS)

Students will be exposed to theory and critical issues within each area of specialisation while exploring how their specialty relates to other functional areas. Candidates will also gain the expertise of carrying out a thesis research in a specified area. The Master thesis demonstrates the individual's aptitude for advanced research and professional accomplishment. It entails the formulation of a research objective, application of the appropriate technical tools, and successful pursuit of a research project to its logical conclusion. Each student will be called to defend, first the proposal and finally, the completed thesis.

The period of study ranges from 6 trimesters (2 years) to 9 trimesters (3 years). Classes are held during the evenings on weekdays (6.30 pm - 9.30 pm). Intake in First (September) and Second (February) Trimester.

Candidates can specialise in any of the following areas :

- Management
- Marketing
- Finance
- Accounting
- Human Resource Management

Admission Requirements (MS)

To qualify for the Master of Science (MS) programme, applicants must have one of the following qualifications :

- An Honour's Degree with a CGPA of at least 2.75 or its equivalent with three years working experience; Applicants with a CGPA below 2.75 will be considered should they have held or are holding middle level management positions in organisations for at least 10n years; or
- A professional qualification recognised as the equivalent of the above; or,
- Any other qualification that is approved by the UPM Senate.



Fees / Expenses (MS)

Total fees for 2 years of study
(6 trimesters)

RM 21,350 / USD 6,887 Malaysian Students
RM 36,350 / USD 11,725 International Students
(Total fees for 3 years of study (9 trimesters))

Total fees for 3 years of study
(9 trimesters)

RM 29,750 / USD 9,596 Malaysian Students
RM 51,250 / USD 16,532 International Students
* All fees above are subject to change.

Doctor of Philosophy (PhD)

The main objective of the Doctor of Philosophy programme is to prepare students for a career in the academics or research in the public or private sector. The PhD programme is designed to enhance students' competencies in carrying out research for knowledge enhancement and creation of new knowledge. The research involves an in-depth focus in a specific area of management. Students are expected to equip themselves with strong theoretical and methodological foundations and to develop their ability to conduct research fairly independently.

The period of study ranges from 6 semesters (3 years) to a maximum of 10 semesters (5 years). Classes are held during the evenings on weekdays (6.30 pm - 9.30 pm). There are two (2) intakes of students in each academic year : First (July) and Second (December) semester.

The areas of specialisation offered are as follows :

- Management
- Marketing
- Finance
- Accounting
- Human Resource Management
- Business Law

Admission Requirements (PhD)

To qualify for admission into the Doctor of Philosophy (PhD) programme, the applicant is required to possess one of the following qualifications :

- A Master's Degree with a CGPA of at least 3.300 or its equivalent in the relevant field. An applicant with a Master's Degree with a CGPA below 3.300 or equivalent in the relevant field will only be considered if the applicant has demonstrated substantial experience in research, or
- Other qualification that is approved by the UPM Senate.



Fees / Expenses (PhD)

Total fees for 3 years of study
(6 semesters)

RM 33,250 / USD 10,725 Malaysian Students
RM 51,750 / USD 16,693 International Students

Total fees for 5 years of study
(10 semesters)

RM 47,050 / USD 15,177 Malaysian Students
RM 77,550 / USD 25,016 International Students

* All fees above are subject to change.

Academic Division

Function

The Academic Division provides support relating services to academic matters – Senate Management, Curriculum Management, Student Intake and Admission, Course Registration, Lecture Scheduling and Final Examination, Preparation of Final Examination and Final Examination Results, Electronic Student Record, Graduation, Convocation Ceremony Management and General Administration and Finance

The Academic Division consists of seven (7) units

- 1 Policy Management and Senate Secretariat & Cocurriculum
- 2 Admission and Intake Unit
- 3 Administration and Finance Unit
- 4 Registration and Scheduling Unit
- 5 Examination and Graduation Unit
- 6 Quality Assurance Unit
- 7 ICT Unit

Contact Person For Further Enquiries

Registrar

Academic Division
Universiti Putra Malaysia
 43400 UPM Serdang
 Selangor Darul Ehsan

Tel : +603-8946 6060
 Fax : +603-8942 6469
 Email : akademik@upm.edu.my

Entrepreneurship Innovation And Student Development Centre

Function

The Entrepreneurship Innovation and Student Development Centre plans, develops and implements the Credited Co-curriculum Courses, Starting School Course, Finishing School Course and Student Entrepreneurship Innovation activities.

The courses are based on eight (8) core values, as set out by the Ministry of Higher Education :

- Sports
- Public Speaking
- Volunteerism
- Community Service
- Entrepreneurship
- Leadership
- Culture
- Initiative and Innovation

Starting School Course

The course is designed to help new students to develop excellence and self-confidence by adapting themselves well on campus. Conducted by trained facilitators, each student will gain useful experience that can be applied to lifelong learning.

The objective is to create quality graduates who become the catalyst to the nation's development paradigm towards a sustainable and bright future through early intervention.

The Centre has developed five (5) main objectives :

- 1 Self adaptation towards the campus environment such as culture shock, change of attitude, time management and self discipline.
- 2 Learning aspects such as strategy, skills and learning techniques.
- 3 Socialisation – social and interaction skills as well as group work.
- 4 The importance of communication in English.
- 5 Employers' expectations of the quality of graduates who will be entering the work force.

Finishing School Course

The Finishing School Course is UPM's early exploration to enhance the soft skills that must be developed by each UPM graduate.

Two aspects are given due consideration – Communication Skills and Professional Writing. These are the weaknesses that usually plague graduates and prevent them from securing dream jobs even though they possess academic excellence.

The application in this course is based on the concept of a 'students friendly' approach and is presented fully in the English Language by trained facilitators. The course is broken down to practical (70%) and theory (30%), thus all subject choice requires students to speak and bounce ideas in discussions, meetings and debates.

Entrepreneurship Innovation

The main function is to provide students with real life exposure to the basics of entrepreneurship as well as to develop and provide the platform for them to become entrepreneurs.

Courses and training conducted include :

- i. The Basics of Entrepreneurship
- ii. Graduate Entrepreneurship Leadership Camp
- iii. Interaction Series With Entrepreneurs
- iv. Campus Entrepreneur Move Seminar
- v. Entrepreneurship Carnival or Festivals (Bestari Intercollege Chess Challenge)
- vi. Islamic Arts and Entrepreneurship Carnival
- vii. The Entrepreneurship Innovation Division also acts as patron to clubs, where interested students can participate in. They are :

- Uniputra Entrepreneurship Club
- Bestari Chess Club
- UPM SIFE Club
- Keusahawanan Siswa UPM (M) Bhd. (KOSISWA or UPM Graduate Entrepreneurship ClubKoperasi)



STUDENT AFFAIRS DIVISION

Function

The Student Affairs Division (SAD) is responsible for the management of all student affairs involving co-curricular activities, discipline, counselling, culture, placement, financial aid, academic progress, student welfare and off-campus students.

In short :

- i) Students' welfare
- ii) Managing and coordinating student activities
- iii) Counselling and self development

Student personality development

The division provides support services for student development, welfare and academics to fulfill clients' expectations. The Student Affairs Division has seven (7) main sections and eighteen (18) units with its distinct responsibilities and functions.

Service Hours :

Monday to Thursday : 8.00am - 5.00pm

Friday : 8.00 am - 12.15pm & 2.45pm - 5.00pm



Contact Person For Further Enquiries

Head, Student Affairs Division
Student Affairs Division
University Putra Malaysia
 43400 UPM Serdang
 Selangor Darul Ehsan

Hotline : +603-8946 6075

Email : pauzi@putra.upm.edu.my

Life After Study

THE UPM ALUMNI CENTRE

Hundreds of thousands of students have passed through the portals of UPM. They have achieved success from the University and in return, UPM has learned much from them in continuously improving programmes and facilities on campus.

The UPM Alumni Centre is an important link, created to keep in touch with past graduates and connect them to future UPM graduates. More importantly, alumni are far flung in all corners of the globe, offering a priceless networking avenue for new graduates.

The Alumni Mentorship Programme

An afternoon tea session is held during the semester for students, senior alumni and academic staff who volunteer their time to give back to UPM by interacting and sharing their ideas. This well-received programme serves to inculcate the tradition of giving and the culture of bonding and love for the Alma mater by UPM Alumni and staff. It also is in keeping with the UPM moto: 'With Knowledge We Serve'.

Opportunities are given to students to bridge the gap between education and the workplace, thus allowing them to explore career options, gain confidence in their ability to connect with potential employers and learn about the workplace through their mentors' firsthand experience.

Alumni 'Outreach' Programme

The 'Outreach' programme reaches out to all alumni and future alumni at colleges, faculties and zones. It fosters loyalty and sense of pride of being an alumnus of UPM while promoting the importance of being an active alumnus. The Centre works closely with faculties, residential colleges, the International Office and the Alumni Association of UPM in organising various programmes that help promote benefits of being an alumnus of UPM.

Homecoming & Reunions

Homecoming, conducted every two years, is an exciting event that draws alumni back to campus. It is preceded by a friendly round of golf, or other games including rugby, bowling and

faculty Open Day. The highlight of the celebration is the Homecoming Dinner. These networking affairs never fail to get the alumni to reminisce about old times, walk down memory lane and rejuvenate friendships while creating new ones.

Reunions are usually jointly organised with the UPM Alumni Association and held at residential colleges, at the state or zone level or off campus. Homecomings and reunions are eagerly looked forward to by the alumni.

Graduate / Alumni Employability Survey / Tracer Study

The survey is normally conducted during the convocation period to gather information regarding the employment status of graduates. Various feedback on the academic programmes and services are used to improve the curriculum and related services for students as well as to develop our directory of alumni and expertise. Senior alumni are also traced through other alumni web addresses.

UPM Alumni - Local and International Chapters

The growing number of local and international students in UPM has prompted the Alumni Centre to develop a strong link with local and international alumni. They play a pivotal role in networking locally and in the internationalisation of UPM, which is in line with the UPM vision to be a globally renowned Research University.

Several local chapters have been set up and are actively connected to UPM, such as The Serdang Sunshine Johor and a number of faculty chapters - the UPM Alumni Chemical Engineers, UPM Alumni Chapter MAS Executive Programme, and UPM Alumni Chapter Emergency Response. International chapters, UPM Alumni Chapter Indonesia, based in Jakarta and Medan, were launched in 2008.

Pak Rashid Foundation (Yayasan Pak Rashid -YPR)

UPMAC acts as the secretariat for Yayasan Pak Rashid (YPR). The foundation was established in 2000 and named after Mohd Rashid Ahmad (Dip. Agri, 1937) or fondly known as Pak Rashid to his colleagues and students. He was a lecturer and the Farm Director during the days of the College of Agriculture Malaya. He was among the pioneers during the establishment of the agricultural university, Universiti Pertanian Malaysia.

YPR supports the vision of UPM towards education excellence through development programmes in agricultural education. The Foundation disburses research grants to young researchers, scholarships and bursaries to excellent and needy students. YPR awards the YPR Gold Medal to excellent students annually during the Convocation Ceremony.

UPM Alumni Centre



Function

UPMAC provides and facilitates strategic partnerships between UPM, the UPM Alumni Association (PAUPM), the public and other relevant parties. The Centre also provides the platform for alumni and various industries to participate in UPM activities that promote, strengthen and inspire alumni to excel in their personal and professional endeavours.

- Build a lifelong relationship with alumni and strengthen bonding with UPM Alumni nationally and internationally.
- Strengthen UPM in the pursuit of academic excellence through the support of alumni
- Conduct the graduate employability survey annually and the alumni tracer studies at intervals.
- Develop and maintain the alumni corporate and public databank for UPM strategic advancement.
- Function as liaison office for UPM Alumni Association (PAUPM) in branding UPM, while fostering a sense of pride and loyalty to the Alma mater.

Service hours
8.00 a.m. – 5.00 p.m.

**Contact Person
For Further
Enquiries**
Alumni Centre

Bangunan C13, Universiti Putra Malaysia
43400 UPM Serdang, Selangor
Tel : +603-8946 6079 / 6080 / 7272
Fax : +603-86566933
Email : alumni@alumni.upm.edu.my

Universiti Putra Malaysia's Global Student Mobility

An exciting programme with much to offer, UPM's Global Student Mobility was designed to provide opportunities for international students to advance their understanding of Malaysia, to expand their knowledge and experience, cultural understanding, maturity, and to foster lifelong relations with Malaysia through the friends they make during their time here.

Universiti Putra Malaysia (UPM) is one of Malaysia's 5 Research Universities with a long-established reputation for excellence in teaching and learning, research and professional services. These have enabled UPM to enter into 83 Memorandums of Understanding (MoUs) to foster student exchange programmes with universities from all over the world, and each year, hundreds of international students come to UPM from different parts of the world.

Types Of Student Mobility Programmes At UPM

- a) Exchange programme **3 months to 1 or 2 semester(s)**
- b) Short-term programme **2 weeks or more**
- c) Internship programme **2 weeks to 6 months**
- d) Industrial Training / Research **2 weeks or more**
- e) Visit **less than 2 weeks**



Opting for UPM

Joining UPM's Student Mobility Programme can enrich a student's life in many ways. UPM is one of the nation's leading universities with many strengths and achievements. Being at UPM is one experience you will remember for a lifetime!.

Refreshingly Green Campus

Ranked 6th out of 95 universities in the world in the GreenMetric World University Ranking 2010. The more than 1,000-hectare university campus is one extended natural panorama that never fails to amaze Nature lovers and those who appreciate the beauty and serenity of Mother Nature at her best.

International Recognition

Numerous awards and recognition at both national and international research exhibitions have firmly established UPM as a university that is exceptional

Research & Innovation Excellence

UPM's research initiatives have over the years, produced more than half of Malaysia's R&D products.

Top-Notch Teaching

More than 73% of its academic staff hold PhDs from universities worldwide.

World-Class Programmes

UPM presently offers 56 Bachelor, 7 Diploma, and 400 postgraduate programmes, and all its courses are taught by academicians with top-notch credentials.

Unbeatable Location

UPM's main campus, stretching over 1,214 hectares, is in Serdang. It is strategically located in a research and development zone within the Multimedia Super Corridor (MSC), a Malaysian Government-designated zone designed to propel the nation into an information and knowledge era. UPM is also a mere 10-minute drive away from the Federal Government Administrative Centre of Putrajaya, and a 20-minute drive away from Kuala Lumpur, the capital city of Malaysia. The city centre is the central location, where the nation's top entertainment, shopping and cultural outlets can be found. UPM is also approximately 45 kilometres away from the Kuala Lumpur International Airport (KLIA).

Courses Specially Designed For You

There are many options of courses you can choose when you come to UPM. Since this is a non-graduating programme, credit transfer may be arranged (subject to terms and conditions) upon completion of the enrolled programme duration.

UPM has also devised some specific courses that international students can choose if they are passionate about nature and wish to develop a better understanding of Malaysia's environmental treasures.



Equine Management, Leisure & Sport

Course Description

This course invites participants to explore Malaysia's natural environment on horseback. Students with little or no riding experience will be taken through equine management lectures, where basic and advanced lessons on horse-riding will be taught while exploring the surrounding landscapes. Students with advanced equestrian skills can request to participate in equestrian sports activities. This course offers experiential learning opportunities through application of theory in developing riding skills and by participating in stable management and in the daily management of horses. Students registered for this course can also participate in other sporting and recreational activities such as sailing, mountain climbing, jungle trekking, fishing etc. depending on availability.

Course Details

Credit	3 credits
Duration	3 weeks
Offer Date	September 2012
Medium of Instruction	English
Fee	USD 3,690.00 (tuition fee & accommodation)

Wildlife, Ecology & Conservation

Course Description

Malaysia, having one of the oldest tropical rainforests in the world, offers a great biodiversity of flora and fauna, much of which remains unspoilt. It remains a favourite of scientists and nature lovers from all over the world. As such, this course begins by introducing students to the basics of Malaysian wildlife and ecology. This will be followed by field excursions to wildlife sites, both on and off-campus, for UPM is well-known for its own forest reserve and wildlife sanctuaries within the campus. On the whole, this course will provide students with an enriching experience and will offer them insightful knowledge of the biodiversity, ecology and conservation of Malaysian wildlife.

More Interesting Courses to Consider

- *Silat Lincah* Malaysia (Malay Art of Self-Defence)
- Indian Classical Dance
- *Kompang* (Malay hand-drum) Music
- Batik Canting
- Malay Dances

How To Apply?

Interested students can download the application form (**UPM/IO/SAIN/BR01**) from our web site at www.iputra.upm.edu.my. In addition to our application form, we also require additional relevant documents, which include :

- a) Acknowledgment of nomination from the home university
- b) Recommendation letter from the home university
- c) Certified copies of academic transcripts (subjects / courses that have been completed)

Course Details

Credit	3 credits
Duration	3 weeks
Offer Date	September 2012
Medium of Instruction	English
Fee	USD 3,690.00 (tuition fee & accommodation)

Send all applications to :

UPM International
Ground Floor, Kompleks Mahasiswa,
Universiti Putra Malaysia,
43400 UPM Serdang,
Selangor Darul Ehsan, Malaysia.

Tel : +603 8946 6048 / 6004

Fax : +603 8656 3539

Email : mobility@iputra.upm.edu.my

