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AGRICULTURE • INNOVATION • LIFE



**Universiti
Putra
Malaysia**

PROSPECTUS 2014-2015

A photograph of a wide, paved road stretching into the distance, flanked by large, mature trees with dense green foliage. The trees create a natural canopy over the road. In the distance, a few people are visible walking on the road. On the left side of the road, there are several traffic signs, including a yellow diamond-shaped sign with a black border and a black silhouette of a person walking, and a yellow rectangular sign with a black border and a black silhouette of a person walking. The text "YOUR PATHWAY TO INTERNATIONAL EXPERIENCE" is overlaid on the right side of the image in a white, sans-serif font.

YOUR PATHWAY TO
INTERNATIONAL
EXPERIENCE

STUDYING IN MALAYSIA

Malaysia is a beautiful and peaceful country that will most certainly promise you an enriching living and studying experience. Blessed with a vibrant economy, Malaysia consists of two regions – Peninsular Malaysia and East Malaysia, which are separated by the South China Sea. It is unique when it comes to the diversity of its people for here, the Malays, Chinese, Indians, Ibans, Kadazans and other ethnic groups live in harmony under a single identity as Malaysians. This plural society is made up of people with different races and faiths who speak a variety of mother tongues, and yet, each ethnic group practises a great deal of respect and tolerance toward each other, a fact which has made peace and stability a popular trademark of the nation. The multiculturalism that is unique to Malaysia has also made it home to hundreds of colourful festivals which are celebrated in grandeur throughout the year.

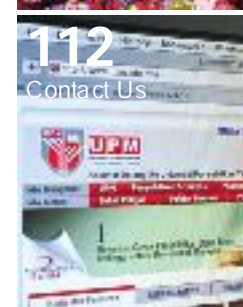
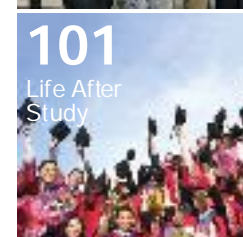
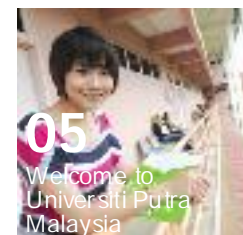
Known for their warm and friendly nature, living among Malaysians and partaking in their way of lives will be an experience you will cherish for as long as you can remember. In Malaysia, a wonderful balance between modernisation and traditions can be clearly observed, even in bustling cities like Kuala Lumpur. The modern Malaysia's famous towering skyscrapers are beautifully contrasted with traditional wooden houses built on stilts found in villages. Either

way, you will experience the best of both worlds when you choose to pursue your education in this charming and exotic country. Malaysia's population exceeds 30 million and the country experiences tropical weather year-round with temperatures ranging from 21°C (70°F) to 32°C (90°F). The Malay Language (Bahasa Melayu) is the national language, but English is widely spoken by almost all Malaysians.

Malaysia is currently ranked the world's 11th most preferred study destination by UNESCO. With more than 30 years of experience in international education, and with close to 100,000 international students currently studying in Malaysia, education in Malaysia is taken seriously by its government which has a vision to turn the country into a high quality educational hub for international students. The country's Ministry of Higher Education closely monitors all institutions to ensure that they adhere to the highest standards. As a result, many reputable foreign universities from countries like the United States, the United Kingdom, Australia and New Zealand have opted to set up branch campuses in Malaysia, or enter into collaborations with Malaysian institutions. Studying in Malaysia does not only mean you stand to obtain quality higher education at an affordable rate; it also translates to you having one of the best cultural experiences in the world.



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WELCOME TO UNIVERSITI PUTRA MALAYSIA



Message from The Vice Chancellor

It is with great pleasure that I invite you to join Universiti Putra Malaysia (UPM), one of the world's dynamic higher learning institutions. After experiencing 83 years of exciting challenges, Universiti Putra Malaysia (formerly known as Universiti Pertanian Malaysia), is now renowned as one of the leading centers of learning and research at the international level.

UPM offers international students the opportunity to study at its beautiful lush green campus, located in: Serdang, Selangor (main campus), and Bintulu, Sarawak, East Malaysia (branch campus). We provide world class services and convenient facilities which help our students to achieve excellent academic success. Hosting international students from more than 60 countries, UPM encourages cultural learning diversity which

form a platform for an unparalleled cultural learning experience. Students pursue broader interests through on-campus activities, from student politics and the arts, to sport and socialising.

As a multidisciplinary university, UPM is very sensitive to the needs and progress of the environment and economic climate, subsequently responds to the changes. Academic standards at UPM are internationally recognised, with research and academic programmes are carefully designed to provide students with an intellectually stimulating education, and to satisfy the needs of the industry and community in Malaysia and internationally.

I have no doubt that your experience with UPM will be enriching, both personally and professionally. I wish you the very best in your quest for academic excellence and advancement.

"With Knowledge We Serve"

Prof. Dato' Dr. Mohd Fauzi Hj Ramlan
Vice Chancellor, UPM



INTRODUCING UNIVERSITI PUTRA MALAYSIA



Located approximately 22 kilometres from Malaysia's capital city, Kuala Lumpur, UPM is **one of the five designated Research universities (RU)** in Malaysia that is deeply committed to the discovery and distribution of knowledge. Founded in 1931 and known internationally as one of the more distinguished universities in the region, its academic disciplines include Engineering, Agriculture, Forestry, **Veterinary Medicine**, Medicine & Health Sciences, Economics & Management, Engineering, Educational Studies, Science Food Science & Technology, Human Ecology, Modern Languages & Communication Design & Architecture, Computer Science & Information Technology, Biotechnology & Biomolecular Sciences, Environmental Sciences, and Agriculture & Food Sciences.

A multidisciplinary university that has a 83-year history, UPM is strategically located within the Multimedia Super Corridor (MSC), a Malaysian Government designated zone designed to propel Malaysia into the information and knowledge era. As one of the largest universities in Malaysia, UPM is also a key-player in contributing to the growth of learned and skilled human capital in the nation. UPM presently

has more than 26,000 students enrolled in its 71 bachelor, 7 diploma and 47 postgraduate programmes at the Masters and PhD levels (with more than **250 fields of studies**). Except for the diploma programmes which are offered exclusively at UPM's branch campus in Bintulu, Sarawak all other courses are offered at the main campus in Serdang, Selangor. Knowledge is the core of all activities at UPM, as depicted in its motto "With Knowledge We Serve" and our tagline is "Agriculture - Innovation - Life". By upholding this philosophy in the execution of all its endeavours, UPM aims to inspire its academic community towards teaching and research excellence; and ultimately towards the material and spiritual betterment of society. UPM possesses all the necessary qualities to be at par with renowned local and international higher learning institutions and your decision to join UPM will promise you a world of opportunities that will certainly enrich your life and future.

HISTORICAL MILESTONE



Universiti Putra Malaysia which sits on 1108.103 hectares was first established as the School of Agriculture in 1931. The school was located on a 22-acre piece of land in Serdang and offered two programmes - a three-year diploma programme and a one-year certificate course in Agriculture. In 1947, the school was declared the College of Agriculture Malaya by Sir Edward Gent, the then Governor of the Malayan Union. The establishment of Universiti Pertanian Malaysia came about when

the College of Agriculture in Serdang merged with the Faculty of Agriculture, University of Malaya. Dr. Mohd. Rashdan bin Haji Baba, the then principal of the College of Agriculture Malaya, was appointed as the first Vice-Chancellor by virtue of the provisions of Section 18 of the Universities and University Colleges Act, 1971.

With the first intake of 1,559 students, Universiti Pertanian Malaysia had its first academic session in July 1973 in the three central faculties and one

basic division: the Faculty of Veterinary Medicine and Animal Sciences, Faculty of Forestry, Faculty of Agriculture, and a Division of Foundation Studies. With the world moving towards the era of technological innovations and growth, Universiti Pertanian Malaysia was steadily laying its foundation to become the nation's foremost agricultural university. In the early 80s, UPM extended its area of studies to include the field of Science and Technology (S&T). In 1997, the name Universiti

Pertanian Malaysia was changed to Universiti Putra Malaysia by the former Prime Minister, Tun Dr. Mahathir Mohammad, as a strategic gesture to portray the status of UPM as a centre of higher education capable of providing various fields of studies, especially in science and information technology.

SPEARHEADING URBAN AGRICULTURE



The Prime Minister of Malaysia, Datuk Seri Najib Tun Razak was once quoted as saying that sustainability of food security was among the nation's top priorities toward achieving the national targets set for the year 2020. It is in response to such food security issues that Universiti Putra Malaysia began venturing into food security through its indisputable niche in agriculture.

As a university that serves as a catalyst in the growth of the nation's agricultural sector, it is only natural for Universiti Putra Malaysia (UPM) to take a serious interest in the nation's food security agenda. UPM started out as a school of agriculture in 1931 and has since provided the nation with some of the best minds in agriculture trained in tandem with the institution's aggressive involvement in research, innovation and commercialisation.

UPM's agriculture-based research is known for the focus placed on current and pressing issues such as production, processing, biotechnology, green technology, sustainable resource management, post-harvest losses, food safety and traceability. In fact, the plan launched by the current Vice-Chancellor of UPM, Prof Dato' Dr Mohd Fauzi Ramlan, to set up a Food Security Centre this year is in response to the government's call for aggressive food security initiatives. With the increase of urban population in Malaysia, the issue of urban food security becomes more relevant. The need to ensure affordable, reliable and stable supply of food products to Malaysia's urban population calls for urban agriculture which UPM is spearheading through its Food Security Centre. Urban agriculture is the practice of cultivating, processing and distributing of food in

or around town or city, and involves animal husbandry, aquaculture, agro-forestry and horticulture. According to FAO, food security exists when a nation has all accesses to food that could satisfy the needs and preferences for an active and healthy life. Through urban agriculture, the availability of fresh, home-grown food products is enhanced, thus providing for the health and nutritional needs of each household. Urban agriculture also provides economic savings for those who produce their own foodstuffs, and can serve to effectively address urban poverty, as well as food insecurity.

In UPM's Strategic Plan 2014-2020 which is expected to be launched in 2015, a dedicated action plan for agriculture is included which would see the university embarking on strengthening its agricultural academic programmes

as well as research. Apart from that, the action plan also includes initiatives to refocus on innovation, entrepreneurship, industrial networking and globalisation. The strengthening of industrial links in the form of research and consultancy, advisory services, technological transfer and innovation ensures a mutual exchange of skills and knowledge that possess the potential to enhance the growth and success of urban agriculture in Malaysia. The significance of UPM's Food Security Centre's role in coordinating the university's commitment to urban agriculture is therefore inevitable. In its efforts to promote urban agriculture and contribute toward food security of the nation, UPM has set far-reaching goals that are expected to take the university to a whole new level of educational and research excellence in the field of agriculture.

A group of seven diverse university students are sitting together in a row, laughing and smiling. From left to right: a man with glasses in a light pink shirt, a woman in a brown hijab and patterned top, a man with glasses in a dark shirt, a woman in a blue long-sleeved shirt, a woman in a black cardigan over a patterned top, a man in a black jacket over a plaid shirt, and a woman in a yellow hijab and green top. The background is a warm, out-of-focus indoor setting.

CAMPUS LIFE

Being a student at UPM offers the best of times one can ever hope to enjoy in campus life. The environment here may be relatively peaceful and quiet, with soothing green nature surrounding you wherever you turn. But there will always be something to interest or excite you and your friends for there is no end to what UPM has in store for you. The education you get here is of the highest quality and it is offered in a most vibrant environment. A reflection of this is the presence of approximately 4,000 international students from more than 60 different countries within its campus. Come join UPM today and be on your way to an exciting and thrilling future.



> FEEDBACK

Anas Ahmed Sahad

Iraq

Bachelor of Engineering (Mechanical)

'We are living in a culturally stimulating and student orientated city (located near to Kuala Lumpur city, Putrajaya, Sepang) which creates the perfect atmosphere. In UPM, I meet many interesting people from different countries.'



> FEEDBACK

Karen Luzak

Austria

International Veterinary Student Association (IVS)

Austria-Belgium-Malaysia Exchange 2014

'An extensive network of support services, social activities and facilities are available in UPM to provide a healthy and conducive lifestyle for students. Apart from my academic learning, I also gained knowledge of the local language and culture in Malaysia.'

CAMPUS FACILITIES



Sultan Abdul Samad Library

Spacious, large and fully air-conditioned, the two-block Sultan Abdul Samad Library houses individual meeting rooms, discussion rooms, an auditorium and can easily accommodate more than 2,000 students at any one time. Designed to support students' learning and research activities, the library is a versatile complex filled with knowledge in both printed and electronic formats. To date, it has over half a million books on the shelves, bound journals, maps, audio recordings, microfilms, video tapes and slides. Students can conveniently access the latest research materials and information – 3,000 print journals, 40 online databases containing over 36,000 full text online journals - and WiFi facilities.



Accommodation

Cosy and comfortable is the way to describe the on campus residential colleges which can accommodate up to 70% of the total student population. The university housing complex offers about 160 units of modern apartments to house married postgraduate students. For those who prefer to live outside the campus, there are many residential areas in the vicinity available at reasonable rents and are convenient, safe and easily accessible by public transportation services.



Transportation

Students' transportation inside and outside of campus is well taken care of via the UPM coach services. Each student is expected to pay approximately USD 20 per semester for unlimited rides. 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. UPM's covered bus-stops are equipped with fans, lights and notice boards to maximize student comfort.



Food

There are many choices of cafeteria, restaurants and food stalls available within the campus and in the surrounding neighbourhood. Food can be obtained at any hour, for, besides the cafeterias at faculties, many eat-outs in the vicinity are open 24-hours. Among well-known fast-food joints available in the vicinity are McDonalds, Kentucky Fried Chicken to name a few.



Health & Welfare

All international students can access outpatient clinic services provided at the University Health Centre which is located within the campus. The health centre provides a comprehensive array of health services and is well-equipped with modern facilities and

pharmaceutical amenities which enable the provision of effective health and dental services to all registered students and staff. Among facilities and services available at the centre are medical, dental, x-ray, physiotherapy, ambulance service, dispensary, laboratory etc.



IT Facility

UPM's IT infrastructure provides a range of facilities and services to assist students with their IT-related needs. Wireless hotspots and access to the Internet and other online resources including Library e-resources/e-journals and student portals are readily available throughout the university.



Sports & Recreation

UPM's sports facilities are numerous and are aimed at encouraging and

supporting its students in their sports initiatives. UPM's commitment to sports can be seen by the dedicated block for athletics, 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, a multipurpose hall (for indoor games such as squash, netball, sepak takraw, volleyball, basketball), a golf course, an equine park and much more.



Counselling services through E-bika Website

This interactive website provides counselling service to students without the need for them to have a face-to-face session with a counsellor. It works along the concept of online communications using internet chat and real time communication which offers students privacy and peace of mind when 'airing' their problems and issues.



Student Portal Website

The Information Technology Department developed the unique

Putra Student Portal as the main gateway for the students to access their personal information easily with a single login. This ICT service is available to students who are provided with a username and password when they enroll.



Arts and Culture Centre (The Sultan Salahuddin Abdul Aziz Shah Cultural & Arts Centre)

The Sultan Salahuddin Abdul Aziz Shah Cultural & Arts Centre provides a platform for students to undertake cultural activities and performances, which are staged at the main hall with a capacity to accommodate about 2,800 people. The Experimental Theatre alone can house more than 600 spectators at any one time. The Centre allows students to showcase their talents, skills and cultural diversity.



ICT Library

UPM is a 21st century campus connected via fibre-optic communication system and ICT infrastructure that allows for speedy and

efficient transmission of knowledge, teaching and learning, research and administrative functions. This network is accessible from within the campus and a lifetime email facility is provided for students as well as a 20MB storage capacity per student for his or her coursework and homepage. Students are provided with a smart card that can be used as a matric card, library card, e-purse and ATM access. The card also doubles as a health card containing the student's health record. The computer laboratory can be easily accessed by students to do their coursework, internet surfing and other online campus requirements.



Campus Newsletter & Bulletin

The Tribun Putra is a quarterly published newspaper by UPM and is available in print and online for students to keep abreast of campus happenings. It features the latest on academic news, weekly activities, sports, entertainment, current affairs and everything else that happens on the campus. Bulletin Uniputra is a quarterly bulletin featuring articles, updates and information and is sent to the student's email address. These publications help students to keep tabs on what's happening within and without the campus and

is a great way to stay connected with people and be informed of the many activities. Web sites and many medium of social media are also actively used



University Agricultural Park

Set up in 2001, the Park is designed to facilitate on-site teaching and learning and to conduct research in agriculture. The Park provides students with actual practical assignments in an ecosystem that serves as an ideal training ground.



Amenities

Basic amenities available within the campus include post office, bank, bookshop, optical shop, bicycle shop and workshop etc. The cooperative book store sells reference books, stationery as well as groceries. There is also a campus bookstore where students can get books related to their courses of study.

UPM LIVING

Living away from home - and the first time for many - can be a cultural shock, especially in a multi-cultural environment such as UPM.

This is home within the campus and is definitely an experience that students will want to take away with them when they graduate. The exposure here is stimulatingly fun and throughout your stay at UPM, you will enjoy interacting with your peers, making decisions, establishing friendships, balancing studies, and making the best of things - these experiences will stand you in good stead when you later take on the challenges of your calling and career.

In terms of accommodation, UPM endeavours to provide comfort, security and convenience. The living quarters are designed to exude a warm homely feeling that lets students focus on their studies with peace of mind. If the student feels the need to call home, be assured that UPM has all the connections to help you get in touch with your loved ones. We can assure you that living on the campus is



going to be an experience that will change your outlook; it is more than fun, it is freedom that will shape your future not only as one with knowledge but also as an exceptional human being.

The on-campus

accommodation provides great value-for-money and is situated 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 which include student apartments which comprise 2-bedroom and 1-bathroom apartments (unfurnished/semi furnished), and residential colleges, which comprise twin sharing rooms with common facilities. International students are advised to reserve their

accommodation before coming to Malaysia as apartments and rooms in residential colleges are limited. The cost of accommodation can vary from USD 100-600 a month.

Residential Colleges

There are 17 residential colleges on campus that can accommodate up to 70% of the UPM student population. The housing option varies from single rooms to double rooms that can accommodate up to four students at any one time.

University Housing Complex

The University's housing complex comprises 160 attractive and modern apartments. These apartments are intended for married postgraduate international students who are accompanied by their spouses and

children. Each unit has two bedrooms with reasonable rental rates starting from RM550 to RM 1900 per month.

Off-campus Private

Residential Homes UPM students may choose to stay off campus for their convenience and comfort. There are many private housing areas in the vicinity of UPM that offer reasonable rentals such as in Taman Seri Serdang, Seri Kembangan, Balakong, Taman Universiti Indah, Bukit Serdang, Serdang Jaya, Serdang Baru and Bangi. Rental rates vary depending on the location and size of the property, and deposits are usually about 1-2 months' rent, while the public transportation service provides to and from the University.

UPM SEEKERS OF KNOWLEDGE



UPM is a universal garden of knowledge... students from over 60 countries come here to acquire a world-class education

Students from over 60 countries around the world are part of more than 26,000 student population in UPM, enriching what is already a unique and culturally diverse community.

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, benefiting from the reasonable cost of living and taking in the incredibly exciting sights, sounds and beauty of a nation blessed by geography and nature.

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INTERNATIONAL SUPPORT

UPM's International Student Association (UPMISA)

To improve the international students' experience the University has formed an International Students Association, which offers an extensive list of social programme throughout your academic year. UPMISA is an association for international students studying at UPM. The association aims to foster good relationship among all international students of UPM by organising various interactive programmes and activities. Attending these events is also an opportunity to

share experiences, network and integrate with fellow students. During the year the International Students Association provides a variety of visits, activities and social events including visits to some of Malaysia's most popular heritage and tourism attractions. The visits are partially subsidised by UPM to provide all international students with the opportunity to participate in the events.

Cost of Living

The cost of living for international students studying at UPM is relatively low compared to international standards. It 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 (USD 400-USD 530) per month excluding meals. Most facilities and amenities are readily available on campus and its vicinity, making studying in UPM a breeze.

Airport Pick Up and Orientation for New Students

The International Division provides airport pick up services for new international students. An orientation programme is also organised before classes begin every new semester.

Visa and Student Pass

Effective January 1, 2014 all new international students must obtain a

Visa with Returnee (VWR) before they enter Malaysia. **VWR is subsidised by** the Malaysian Embassy/ High Commission overseas to non-citizens to enable them to enter Malaysia after the visa is approved by the Immigration Department of Malaysia. For further information on the immigration procedures and student pass application, the international student can contact the International Division, UPM.

Culture

The Malaysian culture is an amalgamation of all the different ethnicities that are found within the country. At UPM, the cultural diversity is further enriched by the many nationalities of almost 4,000 foreign students who are enrolled in UPM.

Safety

Student safety is taken seriously at UPM in order to keep everybody safe on campus. To ensure this, UPM's security personnel patrol the campus round the clock and are always on hand to offer assistance when and where necessary.

Entertainment & Shopping

UPM's main campus is a 20-minute drive away from Kuala Lumpur, the capital city of Malaysia and the central location of the nation's top entertainment, shopping and cultural outlets.

Currency

The monetary unit of the country is Ringgit Malaysia and is written as RM. The exchange rate is valued at USD 1 = RM3.02 but **there are minor fluctuations** from time to time. Foreign currencies can be exchanged at banks and licensed money changers.

Part-time Employment

Students are not encouraged to work either part time or full time **unless with the Vice Chancellor's permission**. This applies only to full time local undergraduate students. Regulation on part time employment for international students is based on procedures issued by the Immigration Department of Malaysia.



STUDENT ASSOCIATIONS

UPM is a holistic campus, one where knowledge is dispensed to the highest degree and where students are exposed to a diversity of activities to stimulate their thinking, agility and character building beyond the classroom.

This is the way to strive for excellence, an opportunity for students to tap their talent, discover their potentials and harness it to their advantage. The University has put in place a number of extracurricular activities that are just as important as academic success.

Sports Clubs

Students can make use of the sports complex, which is equipped with a main stadium for track and field events and the multi-purpose hall for indoor games and other facilities designed to develop well-rounded students.

- Olympic-size Swimming Pool
- Hockey, Football & Rugby Fields
- Badminton, Sepak Takraw, Netball, Tennis, Table Tennis, Basketball & Volleyball Courts
- Archery
- Water Polo

Martial Arts

There are several types of martial arts that students can choose from and be part of the association on the campus. Silat, a unique Malay form of martial arts that dates back centuries that focus on spiritual development as well. Apart from that, there are a number of other martial arts clubs that students can join and have fun.

- Association of Seni Silat Cekak Malaysia
- Association of Seni Silat Cekak Malaysia Kanan UPM
- Association of Seni Silat Lincah UPM
- Association of Seni Silat Gayung
- Association of Seni Silat Sendang
- Association of Seni Silat Karate-Do
- Association of Seni Silat Hwa Do
- Association of Aikido

Associations/Clubs


Thanks to its multi-cultural mix, UPM has encouraged the formation of various clubs and societies to bring students together to interact and build camaraderie all in the spirit of fun activities. Students are to choose from a list of clubs that may interest them.

- Girls Scout (Pandu Puteri) Club
- Association of QKP Student
- Association of Golden Key National Honour Malaysia UPM
- Akhbar Mahasiswa Club
- Gabungan Mahasiswa Sarawak
- Pergerakan Mahasiswa Sabah
- Mahwan Mur Club
- Association of Hindus
- Association of Buddhists
- Association of Seni Silat Lincah
- Association of Seni Silat Karate

Association of Arts, Culture and Rakan Muda
Malaysia is a land of different cultures, races, religions and ethnicity and this potpourri of people is an inherent aspect of the campus. This plus the fact that UPM is home to a large percentage of foreign students allows more opportunity for students to mix, learn and understand their common values without harping on their differences. Here students celebrate their cultures by participating in various activities such as dances, performing arts, music, literature, poetry, visits to interesting places and festivities.

- Badan Kesenian Uniputra (Seni Tari)
- Penggiat Teater Selagol (PENTAS)
- Galdemping Club
- Kompong Seni Melayan Club
- Band Club
- Hilang Emas (Dikir Barak) Club
- Masyid Mahwan Mur Club
- Pantun & Puisi Club
- Choir Club
- Rebana Ubi Club
- Gendang Uniputra Club
- Tarlan Klasik India (Pura Kalshektra) Club
- Rakan Muda Seoribai





ACADEMIC LIFE

Students who study at UPM can be certain to receive a high quality education. A good measure of the quality of education is the University's performance in external quality assessment (e.g. AACSB accreditation and TEAC accreditation). UPM has more than 1800 academic staff dedicated to teaching and research, and many are recognised internationally as leaders/mentor in their fields.

> FEEDBACK

Ibrahim Wasiu Aroli

Nigeria

PhD candidate in Genetics and Breeding, Institute of Tropical Agriculture

My coming to Universiti Putra Malaysia (UPM) for postgraduate study in the field of agriculture is an experience that has given me great joy. In terms of academic and literacy skills, UPM provides me an ideal learning environment to improve my problem solving, inter-personal relationship and critical thinking skills. The school campus gives me an opportunity of meeting and studying under reputable professors and academic staffs who are passionate, diligent, and professional.

My exposure to outstanding research facilities in UPM has put me in a favourable position with my colleagues from other parts of the world. As a post graduate student in UPM, I find that learning here goes beyond the four walls of the class room. The campus is full of fascinating and excellent facilities for research, sport, and recreational activities, and being a student at UPM has given me the opportunity to meet people from different parts of the world.

The multicultural environment that I find here enables me to relate and interact with people of different cultural, religion and social background, and serves as an avenue for me to widen my horizon, accommodate and integrate well with people of vast culture and values.

RESEARCH IN UPM

www.rmc.upm.edu.my

Universiti Putra Malaysia enjoys the distinction of being one of the research universities in Malaysia, a status that the University carries with honour and pride. While its forte is agriculture, understandably because of its proud history as a pioneering agriculture school established in 1931, UPM is today a multi-disciplinary institution of higher learning and an outstanding research hub, attracting researchers, scientists and scholars from all over the world. Over the decades, UPM has cemented its reputation for research by achieving spectacular results through ground breaking research outcomes in various scientific fields, which have won it numerous national and international awards. These achievements are the result of a culture of scientific and academic curiosity, motivated by a willingness to challenge the unknown and push beyond the bounds of known knowledge and wisdom. Most of all, it is a commitment to the creation of new frontiers in research. UPM today ranks among the top most prestigious universities in the region, testimony to the precious legacy of

knowledge acquired over more than eight decades of its existence.

At UPM, students learn in a research-driven environment in which they are able to profit from close interaction with lecturers who are undertaking ground-breaking research projects. To make the research efforts more focused, the University Management has set the research focus into clusters;

UPM Research Clusters:
1. Agriculture and Food (AF)
2. Applied Sciences and Engineering (ASE)
3. Biosystems and Biotechnology (BB)
4. Business, Economics and Governance (BEG)
5. Environment and Energy (EE)
6. Forestry and Biodiversity (FB)
7. Humanities and Nation Building (HNB)
8. Halal Sciences and Management (HSM)
9. Health and Well Being (HWB)
10. Mathematical Sciences and ICT (MSICT)
11. Materials Sciences and Technology (MST)

As a research oriented university, UPM is well equipped with well-pledged facilities, labs and multiple research centres to produce outcomes beneficial to society and industry. This is made possible through research collaborations and synergistic partnerships with industry. The university receives a grant of RM90 million from the government, which is used for multi-disciplinary research besides creating the right environment for students to carry out quality research. This has yielded some exciting discoveries, most notably ZAPPA – rice seeds germination enhancer and VITO-GROW, which promotes plentiful yield. These findings have generated about RM23.7 million in sales and boosted the production capacity of rice farmers in the country and region. Other notable UPM developed commercialised products & technologies are;

- Fowl Pox Vaccine, tissue culture adapted
- Newcastle Disease Vaccine
- Vax-UPM Heat Resistance Strain

- FAST TARGET, White Spot Virus detection kit
- Starter Lac, chicken probiotic technology
- Fibre Optic Sensor Module (FDM)
- Stone Mastix Asphalt With Cellulose Oil Palm Fibre
- MYVAC-UPM93, infectious bacterial disease vaccine
- MRT-Labex, for rapid measurement of dry rubber content
- BACTERIO-GIN UL4, Anti-Microbial Compound
- KUSTENULAC, Mannheimiosis Vaccine
- Thiochrome, Biocontrol Agent And Growth Enhancer (Oil Palm)
- AJIB, Crystalline Water Soluble Fertiliser
- EDU-Enzyme Assay Educational Kit
- Bioprolex Palm Leaf Extract
- Cattle Breeding
- Monogass Inc Animal Feed
- CNG Composite Tank
- Salt Tolerant, Turf Grass
- High Quality Orchid Micro-Propagation
- Biogas and Biomass Solid Wastes
- Composting of Bio-Additives and Bio-Plastic
- Composting from Sewage Wastes



STUDENT MOBILITY PROGRAMME

Universiti Putra Malaysia's Global Student Mobility Programme is designed to encourage students from universities abroad to do short-term academic-related stints at UPM. The aim is to offer 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 stints here. UPM has more than 180 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) Well (less than 2 weeks)

There are many options of courses you can choose from 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 programme. UPM has also ~~developed~~ **developed** 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**
- **Wildlife, Ecology & Conservation**
- **Silat Unikan Malaysia** (Malay Art of Self-Defence)

- **Indian Classical Dance**
- **Kompang** (Malay hand-drum) Music
- **Balik Ceriling**
- **Malay Dances**

Undergraduate Programmes

The 16 Faculties of UPM offer a wide range of degree and diploma programmes, and Exchange students should view a listing of courses offered by individual faculties and select the course that best suits their interests or needs.

Faculty of Agriculture

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

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

Faculty of Forestry

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

- **Bachelor of Forestry Science**
- **Bachelor of Wood Science Technology**
- **Bachelor of Recreational and Park Science**

Faculty of Veterinary Medicine

www.vet.upm.edu.my

- **Doctor of Veterinary Medicine**

Faculty of Economics And Management

www.econ.upm.edu.my

- **Bachelor of Economics**
- **Bachelor of Accounting**
- **Bachelor of Business Administration**

Faculty of Engineering

www.eng.upm.edu.my

- **Bachelor of Engineering (Civil)**
- **Bachelor of Engineering (Electrical and Electronics)**
- **Bachelor of Engineering (Chemical)**

- **Bachelor of Engineering (Agricultural and Biosystem)**
- **Bachelor of Engineering (Mechanical)**
- **Bachelor of Engineering (Aerospace)**
- **Bachelor of Engineering (Process and Food)**
- **Bachelor of Engineering (Computer and Communication System)**

Faculty of Educational Studies

www.educ.upm.edu.my

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

Faculty of Science

www.esiience.upm.edu.my

- **Bachelor of Science (Honours)**
 - Major Biology
 - Major Mathematics
 - Major Statistics
 - Major Physics
 - Major Chemistry
 - Major Industrial Chemistry
 - Major Petroleum Chemistry
 - Major Material Science
 - Major Instrumentation Science
- **Bachelor of Science with Education (Honours)**
 - Major Chemistry
 - Major Biology
 - Major Physics
 - Major Mathematics

Faculty of Food Science and Technology

www.food.upm.edu.my

- **Bachelor of Food Science and Technology**
- **Bachelor of Science (Food Studies)**

Faculty of Human Ecology

www.eo1.upm.edu.my

- **Bachelor of Music (Music Performance)**
- **Bachelor of Science (Human Development)**
- **Bachelor of Consumer Studies**
- **Bachelor of Science (Human Development)**

and Management)

- **Bachelor of Science (Human Development and Information Technology)**

Faculty of Modern Languages and Communication

www.fbm.upm.edu.my

- **Bachelor of Communication**
- **Bachelor of Arts**
 - English Language
 - Malay Language and Linguistics
 - Malay Literature
 - English Literature
- **Bachelor of Arts (Foreign Languages)**
 - Mandarin
 - Arabic
 - French
 - German

Faculty of Design and Architecture

www.frsb.upm.edu.my

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

Faculty of Medicine and Health Sciences

www.medic.upm.edu.my

- **Bachelor of Science (Biomedical Science)**
- **Bachelor of Science (Dietetic)**

- **Bachelor of Science (Nutrition and Community Health)**
- **Bachelor of Science (Environmental and Occupational Health)**
- **Bachelor of Nursing**

Faculty of Computer Science and Information Technology

www.fsktm.upm.edu.my

- **Bachelor of Computer Science**
 - Computer System
 - Multimedia
 - Software Engineering
 - Computer Network

Faculty of Biotechnology and Biomolecular Sciences

www.biotech.upm.edu.my

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

Faculty of Environmental Studies

www.env.upm.edu.my

- **Bachelor of Environmental Science and Technology**
- **Bachelor of Environmental Management**



Faculty of Agriculture and Food Sciences (Sarawak Campus)

www.blu.upm.edu.my

- Bachelor of Biotechnology Science
- Diploma in Agriculture
- Diploma in Forestry
- Diploma in Fishery
- Diploma in Animal Health and Production
- Diploma in Food Estate Management
- Diploma in Agribusiness
- Diploma in Agricultural Engineering

Research Attachment

With more than 400 fields of study offered by the 16 faculties, 9 institutes, a graduate school, a top business school and a sports academy in UPM, students and academics are spoilt for choice. So browse the various entities online and choose your preferred field of study or research attachment and get ready for an exceptional experience.

Faculties

- Faculty of Agriculture www.agri.upm.edu.my
- Faculty of Forestry www.forr.upm.edu.my
- Faculty of Veterinary Medicine www.vet.upm.edu.my

Faculty of Economics and Management

www.econ.upm.edu.my

- Faculty of Engineering www.eng.upm.edu.my
- Faculty of Educational Studies www.educ.upm.edu.my
- Faculty of Science science.upm.edu.my
- Faculty of Food Science and Technology www.food.upm.edu.my
- Faculty of Human Ecology www.eco1.upm.edu.my
- Faculty of Modern Languages and Communication www.lbm.upm.edu.my
- Faculty of Design and Architecture www.frsb.upm.edu.my
- Faculty of Medicine and Health Sciences www.medic.upm.edu.my
- Faculty of Computer Science and Information Technology www.fsktm.upm.edu.my
- Faculty of Biotechnology and Biomolecular Sciences www.biotech.upm.edu.my
- Faculty of Environmental Studies www.env.upm.edu.my
- Faculty of Agriculture and Food Sciences (Sarawak Campus) www.blu.upm.edu.my

Institutes

- Institute of Advanced Technology www.itma.upm.edu.my
- Institute of Agricultural and Food Policy Studies ikdp.upm.edu.my
- Institute of Biosciences www.ibs.upm.edu.my
- Institute of Gerontology www.ig.upm.edu.my
- Halal Products Research Institute www.halal.upm.edu.my
- Institute for Mathematical Research www.einspem.upm.edu.my
- Institute for Social Science Studies www.ipsas.upm.edu.my
- Institute of Tropical Agriculture www.ita.upm.edu.my
- Institute of Tropical Forestry and Forest Product www.introp.upm.edu.my

Academy

- Sports Academy www.sukan.upm.edu.my

Schools

- School of Graduate Studies www.sgs.upm.edu.my
- PUTRA Business School www.putrabusinessschool.edu.my

Postgraduate Programmes (With Thesis)

There are various postgraduate programmes with thesis available in UPM. Please refer to the School of Graduate Studies and the various faculty websites for a listing of courses offered under these programmes.

- 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.) Postgraduate Programmes (by coursework)

Programmes with Credit Fees

- Master of Business Administration (MBA)
- Master of Management (MM)
- Master of Land Resource Management
- Master of Plantation Management
- Master of Computer Science
- Master of Landscape Architecture (for second semester intake only)

- Master of Economics
- Master of Education (Curriculum and Instruction)
- Master of Education (Educational Administration)
- Master of Education (Educational Psychology)
- Master of Education (Educational Technology)
- Master of Education (Guidance and Counselling)
- Master of Education (Physical Education)
- Master of Education (Sport Science)
- Master of Education (Teaching of English as a Second Language) (*Second Semester Intake Only)
- Master of Education (Teaching of Malay as a First Language)
- Master of Education (Technical and Vocational Education)
- Master of Human Resource Development
- Master of Emergency Response and Planning
- 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 Engineering Management
- Master of Environment
- Master of Tropical Forest Resource Management
- Master of Wood Industry Technology
- Master of Pathology (without credit fee)

(Application for admission is handled by The Ministry of Health Malaysia)

Programmes without Credit Fees

- 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)
- Master of Applied Statistics Master of Veterinary Medicine (without credit fee)

Specialty-Designed Short-Term Programmes

Short-term Programmes are offered by the Faculties of Agriculture, Forestry and Engineering.

Faculty of Agriculture

1. International Agriculture Students Symposium (IASS)

The International Association of Students in Agricultural and Related Sciences (IAAS) has played a major role in agricultural education. This programme brings together students studying various aspects of Agriculture and Related Sciences to not only share experiences and exchange knowledge but to also work together on resolving problems within the field. It provides a platform for the training of thousands of well-prepared experts for the world in the field of the sciences.

Programme Learning Outcome

To promote the exchange of experiences, knowledge and ideas, and to improve mutual understanding between students in the fields of agriculture and related sciences all over the world.

Date/Duration

Every two years/14 days

Venue

Faculty of Agriculture

Cost/Fee

The cost, which is approximately RM 500 (excluding flight ticket and accommodation) will be borne by the students themselves. Candidates are required to cover their travelling, medical, accident and insurance expenses. A fee for accommodation will be charged unless there is a reciprocal agreement between the universities.

Contact Person

Deputy Dean (Academic, Student Affairs and Alumni)
Assoc. Prof. Dr. Che Fauziah Ishak
Email: fauziah@agri.upm.edu.my
Phone No: +603 8947 4808

Faculty of Forestry

1. B. Forest Management
2. B. Wood Science and Technology
3. B. Parks and Recreation Science

Programme Description

This course trains the students through a forestry camp for two consecutive weeks during the semester break where the modules of activities encompass familiarisation with field forestry science and student character building in forest environment.

Date/Duration/Venue

At the end of the Second semester (third fourth week of June for two consecutive weeks)

Venue

University forest

Cost/Fee

Tuition fee not required but registration fee will be imposed by the University. Candidates are required to cover their travelling, medical, accident and insurance expenses. A fee for accommodation will be charged unless there is a reciprocal agreement between the universities.

Contact Person

Prof. Dr Mohd Hamami Sahri.
Dept. of Forest Production, Universiti Putra Malaysia.
Email: hamami5253@gmail.com
Tel: +60389467181

Faculty of Engineering

1. Bachelor of Engineering (Aerospace)
2. Bachelor of Engineering (Agricultural and Biosystem)
3. Bachelor of Engineering (Chemical)
4. Bachelor of Engineering (Civil)
5. Bachelor of Engineering (Computer System and Communication)
6. Bachelor of Engineering (Electric and Electronic)
7. Bachelor of Engineering (Mechanical)
8. Bachelor of Engineering (Process and Food)

Programme Description Training Industrial Visit

Date/Duration/Venue

Open throughout the semester

Cost/Fee

Candidates are required to cover their travelling expenses. Fees are chargeable according to credit hour. Candidates are required to cover their medical, accident and insurance expenses. A fee for accommodation will be charged unless there is a reciprocal agreement between the universities.



Please refer to the Faculty of Engineering for further details.

Contact Person
Dr. Syazle
Department of Chemical and Environmental Engineering,
Universiti Putra Malaysia,
43400 UPM Serdang,
Selangor
T: 03-8946 4420
F: 03-8768 7120
E: syazle@upm.edu.my

Summer Programmes

The following faculties offer specially designed summer courses for students

Faculty of Forestry

1. Malaysian Rainforest Conservation Programme for Undergraduate Students

This summer programme offers students an opportunity to interact, with both fellow members of the community and with the land. It involves a unique experience exploring and understanding the many fascinating facets of forestry in the realm of Malaysia's natural, historical and cultural resources.

Programme Learning Outcome

1. Participants attain knowledge and skills in tropical forestry and conservation practices through experiential learning in the tropical forest environment
2. Evaluate the effectiveness of various tropical forest management practices in Malaysia
3. Establish mutual friendship and networking among participants and countries
4. To develop empathy for crosscultural issues

Date/Duration/Venue
Programme duration: 2 weeks beginning in July

Cost/Fee
USD 2,950 per participant which includes accommodation. Candidates are required to cover their travelling, medical, accident and insurance expenses.

2. Malaysia-Japan Study Tour: Undergraduate Programme
The vast natural, historical and cultural resources of Malaysia provide the

perfect platform for students to have a hands-on and unique experience of Malaysia as a land that's truly Asia - a melting pot of cultures, a treasure house of fauna and flora, with so much to discover and learn, literally beneath the canopies of its tropical forests.

Programme Learning Outcome

1. Participants attain knowledge and skills in tropical forestry and conservation practices through experiential learning in the tropical forest environment
2. Evaluate the effectiveness of various tropical forest management practices in Malaysia
3. Establish mutual friendship and networking among participants and countries
4. To develop empathy for cross cultural issues

Date/Duration/Venue
September

Cost/Fee
Approximately RM 1,900 per participant
(Subject to inclusion in

foreign exchange rate). Candidates are required to cover their travelling, medical, accident and insurance expenses. A fee for accommodation will be charged unless there is a reciprocal agreement between the universities.

Contact Person

Assoc. Prof. Dr. Mohd. Zaki Hamzah
Deputy Dean (Student Affairs & Development)
Email: forestry.summercamp@gmail.com

Faculty of Veterinary Medicine

1. Equine Management, Leisure and Sport S

This course comprises work training in equestrian clubs. Students will be trained in the techniques of horse riding and will be involved in the daily management of horses. Students will also be trained and will have an opportunity to participate in equestrian riding depending on their level of riding skill.

Programme Learning Outcome

1. Describe an overview of the Malaysian and

international equine industry

2. Participate in the daily management of a horse
3. Develop horse riding skills

Date/Duration/Venue

Please refer to the Faculty of Veterinary Medicine for further details.

Cost/Fee

USD 1000 (subject to revision). Students are required to cover their travelling, medical and accident insurance expenses. A fee for accommodation will be charged unless there is a reciprocal agreement between the universities.

Please refer to the Faculty of Veterinary Medicine for further details.

Contact Person
Associate Professor Datuk Dr. Bashir Ahmad Fateh Mohamed
Tel: 603-89463888
Fax: 603-8947 1971
Email: bashir@vet.upm.edu.my
www.vet.upm.edu.my

2. Wildlife Ecology and Conservation
This course encompasses various

aspects of biodiversity, ecology, behaviour and conservation of indigenous Malaysian wildlife.

Programme Learning Outcome

1. Describe an overview of the Malaysian wildlife biodiversity
2. Explain ecology, behaviour and conservation of wildlife
3. Follow the conservation efforts of certain ex-situ conservation centres

Date/Duration/Venue

Please refer to the Faculty of Veterinary Medicine for further details.

Cost/Fee

USD 1000 (subject to revision). Students are required to cover their travelling, medical and accident insurance expenses. A fee for accommodation will be charged unless there is a reciprocal agreement between the universities.

Please refer to the Faculty of Veterinary Medicine for further details.

Contact Person
Prof. Dato' Dr. Abdul Rani Bahaman
Email: rani@vet.upm.edu.my
Tel: 603-8946 3445
Fax: 603-8947 1971
www.vet.upm.edu.my

Faculty of Engineering

1. Bachelor of Engineering (Aerospace)
2. Bachelor of Engineering (Agricultural and Biosystem)
3. Bachelor of Engineering (Chemical)
4. Bachelor of Engineering (Civil)
5. Bachelor of Engineering (Computer System and Communication)
6. Bachelor of Engineering (Electric and Electronic)
7. Bachelor of Engineering (Mechanical)
8. Bachelor of Engineering (Process and Food)

Programme Description Training/Industrial Visit

Date/Duration/Venue
Open throughout the semester

Cost/Fee

Students have to cover all their travelling, medical, accident and insurance expenses. Fees are chargeable according to credit hour.

Accommodation charges will be waived if there is a reciprocal agreement between the universities.

Contact Person Dr. Syazle

Department of Chemical and Environmental Engineering,
Universiti Putra Malaysia,
43400 UPM Serdang,
Selangor
T: 03-8946 4420
F: 03-8768 7120
E: syazle@upm.edu.my

Faculty of Human Ecology

1. Embracing Malaysian Cultural Diversity and Heritage

The programme is designed to expose participants to the diversity of Malaysian cultural heritage through talks, visits and participation in multi-cultural activities that allow a mutual sharing of the wealth of ethnic diversity within the UPM community.

Date/Duration/Venue
May - September



Cost/Fee

Programme 1:

One week comprising activities included in Week 1. Estimated cost per individual: RM 3000.00 (USD 1000.00)* This does not include travel cost, medical and accident insurance. *(subject to fluctuation in foreign exchange rate).

Programme 2:

Two weeks as above. Estimated cost per individual: RM 10,000 (USD 3500.00)* for two weeks including all expenses for local travel to Sabah and Sarawak (East Malaysia). The maximum number of participants for every session is 20 and the minimum is 10. This does not include travel cost, medical and accident insurance. *(subject to fluctuation in foreign exchange rate).

Contact Person

Associate Prof. Dr. Nobaya Ahmad
Deputy Dean (Academic & International)
Email: nobaya@putra.upm.edu.my
Tel: 603-8946 7069/ 7052

Faculty of Educational Studies

1. Malay Language Summer Courses
The fortnight-long 'Interesting Contextual Malay Language Learning Programme' is an innovative language learning experience. The course employs a number of exciting outdoor language learning aspects such as basic vocabulary and sentence building, pantun, gurindam, syair and various dialects of the Malay Language. What makes it even more exciting is learning Malay in Malaysia with opportunities to practise what you learn with native speakers of the language.

Programme Learning Outcome

The Basic Malay Language Learning Programme for International Students:

a) prepares students for study in Malaysia or for them to stay in Malaysia in the future; and
b) to learn the Malay language and at the same time, to be exposed to and get hands-on experience of Malay and Malaysian culture.

Date/Duration/Venue
2 weeks between July and September each year

Cost/Fee

USD 2000.00 (includes programme fee, accommodation, food and local travel but excluding air ticket. Candidates are required to cover their travelling, medical and accident insurance expenses. Please refer to the Faculty of Educational Studies for further details.

Contact Person:

Dr. Fadziilah Abd Rahman
Language and Humanities Education Department
Faculty of Educational Studies
Universiti Putra Malaysia
Email: fadziilah@educ.upm.edu.my
www.educ.upm.edu.my

How to Apply

Interested students can download the application form (www.intl.upm.edu.my) from our web site at www.akademik.upm.edu.my. In addition to our application form, we also require additional relevant documents, which include:

- Acknowledgment of nomination from the home university
- Recommendation letter from the home university

✓ **Certified copies of academic transcripts** (subjects /courses that have been completed)

Application submission and further enquiries:

Head of Administration, Academic & International,
Universiti Putra Malaysia (UPM), Selangor Darul Ehsan, 43400 UPM Serdang, Malaysia.
Tel : +603 8946 7446 / 7972 / 6050 Fax : +603 8942 6469
Email : intl@upm.edu.my/
rosdiw@upm.my
Website : www.akademik.upm.edu.my



DEGREE STRUCTURE- UNDERGRADUATE PROGRAMME (Academic Division)

www.akademik.upm.edu.my

Academic Division

The 16 faculties at UPM offer a variety of academic programmes to meet the current needs. The self-accreditation status awarded to UPM has greatly influenced the offering of high quality academic programmes and highlight UPM as an excellent research university in the nation.

The Academic Division provides support related services on 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 following is the list of faculties in UPM:

- Faculty of Agriculture
- Faculty of Forestry
- Faculty of Veterinary Medicine
- Faculty of Economics & Management
- Faculty of Engineering
- Faculty of Educational Studies
- Faculty of Science
- Faculty of Food Science and Technology
- Faculty of Human Ecology
- Faculty of Modern Languages and Communication
- Faculty of Medicine and Health Sciences
- Faculty of Design and Architecture
- Faculty of Computer

Science and Information Technology

- Faculty of Biotechnology and Biomolecular Sciences
- Faculty of Environmental Studies
- Faculty of Agricultural Science and Food (UPMKB)

UPM practices the semester system, with two semesters for every academic session. Each semester consists of fourteen weeks of study and students will be evaluated via on-going evaluation inclusive of a final examination

Semester 1 (September)

Lecture	6 weeks
Mid-Sem break	1 week
Lecture	8 weeks
Revision week	1 week
Final exam	2 weeks
Semester Break	5 weeks

Semester 2 (February)

Lecture	7 weeks
Mid-Sem break	1 week
Lecture	7 weeks
Revision week	1 week
Final exam	2 weeks
Semester Break	10 weeks

Bachelor 5 Years
(186 Credits)

- Doctor of Medicine
- Doctor of Veterinary Medicine

Bachelor 3½ - 4 Years
(120 Credits)

Diploma 3 - 3½ Years
(90 Credits)



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

Cumulative Grade Point Average Classification (CGPA)

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

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

- A Malaysian Certificate of Education (SPM)
- A credit in Bahasa Malaysia / Bahasa Malaysia at SPM / its equivalent
- A pass in the STPM examination with at least CGPA 2.00 and
- C Grade (CGPA 2.00) in General Studies; and
- C Grade (CGPA 2.00) in TWO (2) other subjects
- At least Band 1 in the 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

- A good pass in the Malaysian Certificate of Education (SPM);
- A credit in Bahasa Malaysia / Bahasa Malaysia in SPM / its equivalent
- A Diploma or its equivalent which is recognised by the Malaysian Government and approved by the University Senate; and
- At least Band 1 in the 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

- A good pass in O-levels / its equivalent.
- A pass in the A-levels with at least :- C Grade in THREE (3) subjects; and
- 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

- A pass in the Higher School Certificate HSC / its equivalent with at least :- C+ GRADE in THREE (3) subjects or 65% in THREE (3) subjects in the Final Level of Secondary Education
- A pass in the University Entrance Exam (for countries which seek such requirement for admission into universities); and

- 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

- A Diploma or its equivalent which is recognised by the Malaysian Government and the University Senate with a CGPA of at least 3.00
- 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.

Programmes of Study

- Faculty of Agriculture**
- Bachelor of Agricultural Science, 4 years
 - Bachelor of Horticultural Science, 4 years
 - Bachelor of Science (Agribusiness), 4 years
 - Bachelor of Agriculture (Aquaculture), 4 years
 - Bachelor of Agriculture (Animal Science), 4 years

Faculty of Forestry

- Bachelor of Forestry Science, 4 years
- Bachelor of Wood Science Technology, 4 years
- Bachelor of Recreational and Park Science, 4 years

Faculty of Veterinary Medicine

- Doctor of Veterinary Medicine, 5 years

Faculty of Economics and Management

- Bachelor of Economics, 4 years
- Bachelor of Accountancy, 4 years
- Bachelor of Business Administration, 4 years

Faculty of Engineering

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

Faculty of Educational Studies

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

Faculty of Science

- Bachelor of Science (Honours) Major in
 - Biology, 4 years
 - Mathematics, 4 years
 - Statistics, 4 years
 - Physics, 4 years
 - Chemistry, 4 years
 - Industrial Chemistry, 4 years
 - Petroleum Chemistry, 4 years
 - Material Science, 4 years
 - Instrumentation Science, 4 years

Bachelor of Science With Education (Honours)

- Major in
- Biology, 4 years
 - Physics, 4 years
 - Chemistry, 4 years
 - Mathematics, 4 years

Faculty of Food Science and Technology

- Bachelor of Food Science and Technology, 4 years
- Bachelor of Science (Food Studies), 4 years
- Bachelor of Science (Food Service Management), 4 years

Faculty of Human Ecology

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

Faculty of Modern Languages and Communication

- Bachelor of Communication, 3½ years
- Bachelor of Arts Major in
 - English Language, 3½ years
 - Malay Language and Linguistics, 3½ years

- Malay Literature, 3½ years
- English Literature, 3½ years
- Bachelor of Foreign Languages Major in
 - Mandarin, 3½ years
 - Arabic, 3½ years
 - French, 3½ years
 - German, 3½ years

Faculty of Design and Architecture

- Bachelor of Architecture, 3 years
- Bachelor of Landscape Architecture, 4 years
- Bachelor of Science in Architecture, 3½ years
- Bachelor of Design (Industrial Design), 4 years

Faculty of Medicine and Health Science

- Bachelor of Science (Biomedical Science), 4 years
- Bachelor of Science (Dietetic), 4 years
- Bachelor of Science (Nutrition and Community Health), 4 years
- Bachelor of Science (Environmental and Occupational Health), 4 years
- Bachelor of Nursing, 4 years

Faculty of Computer Science and Information Technology

- Bachelor of Computer Science Major In
 - Computer System, 4 years
 - Multimedia, 4 years
 - Software Engineering, 4 years
 - Computer Network, 4 years

Faculty of Biotechnology and Biomolecular Sciences

- Bachelor of Science (Honours) Biotechnology, 4 years
- Bachelor of Science (Honours) Biochemistry,

- 4 years
- Bachelor of Science (Honours) Microbiology, 4 years
- Bachelor of Science (Honours) (Cell and Molecular Biology), 4 years

Faculty of Environmental Studies

- Bachelor of Environmental Science and Technology, 4 years
- Bachelor of Environmental Management, 4 years

Faculty of Agriculture and Food Sciences (UPMKB)

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

Centre of Foundation Studies for Agricultural Science
Foundation for Agricultural Science, 1 year

Date of Acceptance

All application must reach the Office of the Head of Administration, Academic & International, 1st Floor, Administration Building, Universiti Putra Malaysia, 43400 before 1st March for September Intake. Application received after the closing date will be considered for intake of the following semester.

All enquiries pertaining to Undergraduate Degree programme in UPM can be sent to: -
Head of Administration, Academic & International, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor Darul Ehsan
Tel: 603 8946 6050/6055 /6059
Fax: 603 8942 6469
e-mail: akademik@upm.edu.my
www.akademik.upm.edu.my



> FEEDBACK

Dr. Show Pau Loke

UPM's PhD alumni from Faculty of Engineering.
Presently employed as Assistant Professor, University of Nottingham.

"My experience at UPM was amazing and meaningful because I was elected to become the Students' Representative for two terms, once when I was an undergraduate and again when I was doing my postgraduate studies. I spent 6 years at UPM which saw me through my undergraduate degree in Process and Food Engineering right up to my PhD in Bioprocess Engineering. The experience as the Students' Representative was instrumental to make me what I am today. Above all, it taught me humility, persistence, and teamwork. My advice to all UPM students would be to work smart, and take the challenges that come your way positively. And remember that education is the tool that will help you progress in life. Thanks to the wonderful learning experience I obtained at UPM, I managed to secure my PhD degree at the young age of 25. Use the opportunities and guidance you receive throughout your student days, and take active part in all the campus activities, and I am sure success will come your way"



DEGREE STRUCTURE- POSTGRADUATE

(School of Graduate Studies)

www.sgs.upm.edu.my

Universiti Putra Malaysia (UPM) is one of Malaysia's premier universities with a longest established reputation in teaching and research. As one of the nation's top 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 study programmes are managed and promoted by the School of Graduate Studies (SGS), and over the years SGS has come to be seen as one of the best graduate schools in the country. There are various postgraduate programmes with thesis and coursework offered by UPM's faculties and institutes.

The following is a list of faculties and institutes in UPM :

- Faculty of Agriculture
- Faculty of Forestry
- Faculty of Veterinary Medicine
- Faculty of Economics & Management
- Faculty of Engineering
- Faculty of Educational Studies
- Faculty of Science
- Faculty of Food Science and Technology

- Faculty of Human Ecology
- Faculty of Modern Languages and Communication
- Faculty of Medicine and Health Sciences
- Faculty of Design and Architecture
- Faculty of Computer Science and Information Technology
- Faculty of Biotechnology and Biomolecular Sciences
- Faculty of Environmental Studies
- Faculty of Agricultural Science and Food (UPMKB)

- Institute of Bioscience
- Institute of Advanced Technology
- Institute of Gerontology
- Institute of Mathematical Research
- Institute of Halal Product Research
- Institute of Tropical Forestry & Forest Product
- Institute of Social Sciences Studies
- Institute of Tropical Agriculture

Programme Structure
• Degree with Thesis (Research) (285 fields of study)
- Masters (MSc, MA, M.Vec)
- PhD

- Degree without Thesis (coursework)
- Masters only (46 programmes)- minimum of 40 credits of coursework
- Doctor of Public Health
- Degree with Industry
- Doctor of Engineering (DEng)
- Industrial PhD

• Jointly Awarded PhD Degree : Universiti Putra Malaysia and University of Sheffield, United Kingdom*

• Dual Degree Programme*
* Please refer to our website for further information

Master or PhD Degree with Thesis
Students pursuing the Master or PhD degree with thesis:

- Degree with thesis is by default without coursework, subject to any other requirement as specified by the Faculty/Institute. The supervisor may ask students to do coursework
- and students may request to do coursework subject to availability of the courses.

- Submit a thesis for examination at the end of the programme; and
- comply with any other specific requirement of the relevant graduate programme, as specified by the Faculty/Institute.

Master Degree without Thesis

Students pursuing the Master's degree without thesis shall fulfil 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 fulfil 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 first 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.

Admission Requirements

Master Degree Programme

- **An applicant with a good** scholastic achievement in the Bachelor degree or its equivalent (subject to specific programme requirements).
- **An applicant who has** 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 may apply for direct admission even without a Master degree
- **An application for** provisional admission may also be made by a student who has submitted his Master thesis for examination.

Language Requirements

- **Malaysian candidates** 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

ELS Language Requirements

Applicants who do not meet the English proficiency requirements of their chosen programme at UPM can improve their English at ELS Language Centres, Malaysia. ELS has a branch which is located on the UPM campus and runs the **Certified Intensive English Programme** (CIEP), which is recognised by the university. Most students who need English enhancement will spend approximately 1 semester in the ELS CIEP, depending on their level of proficiency.

The CIEP is a full-time programme that has an intake every month of the year. This 10-level programme, from beginner to Advanced (Level 100 - 109), is designed to improve students' English proficiency to the standard required by UPM in the fastest time possible. To gain admission into the UPM programme,

students will need to complete the CIEP Level 109. Prior to beginning at ELS, students will be given a placement test to determine the CIEP level that best suits their English capabilities. They will begin their English classes at this level, learning with peers of similar English abilities - making their learning more effective.

The ELS Language Centre is an international network of English language training centres that specialise in preparing students to meet the English language proficiency requirements for university. ELS is the leading worldwide provider of English language programmes offered on university campuses.

Fields of Study

**Subject to change from time to time*

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.)

- 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
- **Veterinary Pest**
- Weed Science

Agriculture and Food Sciences (Bintulu Sarawak Campus)

- 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
- Material Science
- 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
- Software Engineering

Design and Architecture

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

Economics and Management

- Business Economics
- 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
- Agricultural Robotics Engineering
- Automotive Engineering
- Biomedical Engineering
- Biochemical Engineering
- Bioprocess Engineering
- Chemical Engineering
- Communications and Network Engineering
- Computational Methods in Engineering
- Computer and Embedded Systems Engineering
- Computer Integrated Manufacturing
- Control and Automation Engineering
- Electrical Power Engineering
- Electronic Engineering
- Environmental Engineering
- Farm Structures
- Food Engineering
- Geotechnical and Geological Engineering
- GIS and Geomatic Engineering
- Highway and Transportation Engineering
- Industrial Engineering
- Instrumentation Engineering
- Intelligent Systems Engineering
- Irrigation and Drainage Engineering
- Manufacturing Systems Engineering
- Material Science and Engineering
- Materials Engineering
- Mechanical Engineering
- Multimedia Systems Engineering
- Packaging Engineering
- Photonics and Fiber Optic

- Systems Engineering
- Precision Farming Engineering
- Project Management
- Post Harvest Engineering
- Process Engineering
- Remote Sensing
- Safety and Emergency Management
- Safety, Health and Environment
- Sanitary and Environmental Engineering
- Soil and Water Engineering
- Smart Technology and Robotics Engineering
- Spatial Information 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
- Philosophy and Civilization Studies
- Politics and Government
- Psychology of Child Development
- Social Psychology

Medicine and Health Sciences

- Anatomy
- Chemical Pathology
- Clinical Nutrition
- Community Health
- Community Nutrition
- Environmental Health
- Environment Medicine
- Epidemiology and Biostatistics
- Family Health
- Forensic Science
- Health Promotion
- Health Science Management
- Human Anatomy
- Immunopharmacology
- Genetics
- Haematology
- Human Genetics
- Immunobiology
- Medical Microbiology
- Medical Parasitology
- Molecular Biology
- Molecular Medicine
- Nutritional Biochemistry
- Nutritional Sciences
- Neuroscience
- Occupational Health and Safety
- Occupational Medicine
- Pharmaceutical Microbiology

- Psychological Medicine
- Radiology
- Pharmacology and Toxicology
- Physiology
- Stem Cell

Modern Languages and Communication

- Applied Comparative Linguistics
- Arabic Language
- Chinese Literature
- Cultural and Literary Studies
- Communication Technology (Master Only)
- Discourse Studies
- Development Communication (Master Only)
- English Literature
- English Language
- Journalism (Master Only)
- Literacy Studies
- Malay Language
- Malay Literature
- Mass Communication (PhD Only)
- Organizational Communication (Master Only)
- 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*
- 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*

Halal Products Research

- Halal Products Science
- Halal Products Development
- Halal Products Management
- Shariah and Halal Laws

Mathematical Research

- Analytic Method in ' Number Theory
- Chromaticity of Graphs
- Computational and Mathematical Biology
- Computational Statistics and Inference
- Computational Mathematics
- Computer-aided Instruction Knowledge Management
- Fluid Dynamics
- High Performance Computing and Distributed Computing
- Instructional Design and Technology in Mathematics
- Mathematical Cryptography
- Network Theory and Application
- Pedagogy in Mathematics Education
- Philosophy of Mathematics and Ethnomathematics
- Psychology of Teaching and Learning Mathematics
- Quantum Information Science
- Reliability Analysis
- Statistical Computation and Inference
- Statistical Modelling and Forecasting
- Structural Theory of Algebras
- Wave Propagation

Advanced Technology

- Advanced Materials Engineering
- Energy Engineering
- Green Engineering
- Nanomaterials
- Nanotechnology
- Nanosciences
- Sensor Technology Engineering
- Sustainable Technology
- Smart Sensing Engineering

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-Prteomics
- 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
- Leadership 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-Prteomics
- 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 Products

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

Programmes Without Thesis (Coursework)*

- 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 Counselling (*First Semester Intake Only)
- 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

Food Science and Technology

- Master of Food Technology

Medicine and Health Science

- Master of Pathology (Without Credit Fee) (Application for admission is handled by the Ministry of Health Malaysia)
- Master of Medicine (Family Medicine) (Without Credit Fee) (Application for admission is handled by the Ministry of Health Malaysia)
- Master of Medicine (Pediatrics) (Without Credit Fee)
- Master of Medicine (Psychiatry) (Without Credit Fee)
- Master of Public Health (Without Credit Fee)

Modern Languages and Communication

- Master of Applied Linguistics
- Master of Corporate Communication
- Master of Malay Language
- Master of Malay Literature
- Master of World Literature

Science

- Master of Applied Statistics

Veterinary Medicine

- ~~Master of Veterinary Medicine~~ (Without Credit Fee)

Achievements

- ~~One of the nations~~ 5 leading Research Universities (RU)
- ~~Highest number of~~ academic staff with ~~PhD qualifications~~ (83%)
- ~~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

Application for Admission
Please apply only via
www.sgs.upm.edu.my

Or contact:
Dean School of Graduate Studies
Universiti Putra Malaysia
Zone 4, Off Jalan Stadium, 43400 UPM Serdang, Selangor.
Tel : 603 8946 4201 / 4225 / 4218 / 4223 / 4228
Fax : 603 8943 2509 / 8946 4232
Email : admission@upm.edu.my

PROGRAMME BY FACULTY AND INSTITUTE

- Faculty of Agriculture
- Faculty of Forestry
- **Faculty of Veterinary Medicine**
- Faculty of Economics & Management
- Faculty of Engineering
- Faculty of Educational Studies
- Faculty of Science
- Faculty of Food Science and Technology
- Faculty of Human Ecology
- Faculty of Modern Languages and Communication
- Faculty of Medicine and Health Sciences
- Faculty of Design and Architecture
- Faculty of Computer Science and Information Technology
- Faculty of Biotechnology and Biomolecular Sciences
- Faculty of Environmental Studies
- Faculty of Agricultural Science and Food (UPMKB)
- Institute of Bioscience
- Institute of Advanced Technology
- Institute of Gerontology
- Institute of Mathematical Research
- Halal Product Research Institute
- Institute of Agricultural and Food Policy Studies
- Institute of Tropical Forestry & Forest Product
- Institute of Social Sciences Studies
- Institute of Tropical Agriculture
- School of Graduate Studies
- Putra Business School

> FEEDBACK

Dr. Rika Terano

Faculty of Agriculture,

Senior Lecturer at Department of Agribusiness and Information Systems. (Japan)

"I was still a master's student at the Tokyo University of Agriculture in 2005 when I was given the opportunity to participate in a one year exchange program in UPM. It was an experience that completely changed my life! I am now a senior lecturer at the Department of Agribusiness and Information Systems, Faculty of Agriculture, UPM, and I must say I owe it all to UPM which saw me through my masters, PhD and post-doctorate studies and brought me where I am now. Here, I have not only gained knowledge in my own field of expertise, but also in the diversity and unity of people from different places and cultures in Malaysia. Being a foreigner and an outsider did not stop people here from warmly welcoming me and making me a part of their community. The support of the professors, lecturers and friends at UPM is a constant inspiration and motivation for me. And that is why I never hesitate to tell friends from my country to come and study at UPM, for I strongly believe that the experience will indeed open their minds."

FACULTY OF AGRICULTURE

www.agri.upm.edu.my



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 ensures development of the national agro-industry over the long term through trained visionary 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.

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.Sc.)
- Doctor of Philosophy (PhD)

Research Focus

- Agriculture and the Environment
- Crop and Animal Breeding
- Pest Management
- Post Harvest Technology
- Supply Chain Management for Food and Agriculture
- Sustainable Aquaculture Production
- Sustainable Food Crops Production for Food Security

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.

Achievements

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

- i) A-GrowAL : A technology to decrease lodging incidences in rice through increased culm strength.
- ii) Akar Putra Breed: The best village chicken-jungle fowl combination.

Contact us:

Faculty of Agriculture
Phone : 03-89474801
Fax : 03-89408319
E-mail : dean.agri@upm.my
Website : www.agri.upm.edu.my

> FEEDBACK

Dr. Edi Suhaimi Bakar

Indonesia

Associate Professor, Faculty of Forestry

I was a lecturer at a national university in Indonesia before I joined Universiti Putra Malaysia (UPM) in 2004. After joining UPM as a scientist/lecturer 10 years ago, I have nothing but good impressions about UPM, especially in aspects related to teaching and learning and research activities. Lecturers of UPM are always encouraged to constantly improve on their teaching materials and methods toward producing effective lecturing packages to cater to students' needs. Doing so enhances the enthusiasm and excitement of the students attending my classes. As a lecturer, this gives me enormous satisfaction. Where research is concerned, lecturers have vast opportunities and are provided funding from the government and private sectors. The conducive research atmosphere and excellent research facilities greatly benefit our research works. During my tenure in UPM, I have produced dozens of publications in renowned journals and acquired several patents which have given me enormous satisfaction. I am proud to be a member of UPM, which has been ranked as one of the world's top 100 universities in the fields of agriculture and forestry based on the latest QS University Rankings 2014.



FACULTY OF FORESTRY

www.forr.upm.edu.my



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

Students are trained to produce research findings that are relevant and ahead of this relevant sector, 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 Science

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 Utilization
- Recreation, Parks and Eco-tourism
- Plantation and Agro Forestry
- Forestry Ecology and Biodiversity
- Forestry Economics and Policy
- Sustainable Management of Natural Forests Career Opportunities

Career Opportunities

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

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 RM 12 million research grants.
- 507 local and international journals (CIJ) and 36 books were published.
- Serviced a total of 35 consultancy projects worth approximately RM 4 million

Contact us:

Faculty of Forestry
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> FEEDBACK

Dr. Malaika Watanabe

Japan

Associate Professor,

Department of Companion Medicine and Surgery

I first joined UPM as an undergraduate student at the Faculty of Veterinary Medicine back in

1996. At that time there were very few foreign undergraduate students and naturally, I was apprehensive wondering whether I would be accepted and whether I would fit in. Fortunately my fears were unwarranted. From the then Deputy Dean Academic (Datin Paduka Prof. Dr. Ani Ideris) whom I met to discuss admission procedures, to the staff and fellow students that I have had the pleasure of getting to know, everyone welcomed me with open arms. My undergraduate days turned out to be some of the best years of my life for the university provided a supportive and vibrant learning environment with its knowledgeable and professional academic staff. It provided the setting for me to grow beyond academic expertise and gave me an opportunity to learn about Malaysian culture through extra-curricular activities. Over time, the faculty became a second home to me and I made lasting friendships that I cherish to this day. I joined the faculty as a lecturer in 2008 and was thrilled! The faculty was enthusiastic about my return and it felt like I had come home... UPM has given me an opportunity as an educator to contribute to nation building and this gives me great pride. It is going to be six years since I joined UPM and I still wake up every morning excited about my work!



FACULTY OF VETERINARY MEDICINE

www.vetupm.edu.my



The Faculty of Veterinary Medicine offers comprehensive veterinary education and training in the Doctor of Veterinary Medicine (DVM) programme and post graduate programme namely Doctor of Philosophy (PhD), Master of Veterinary Science (MVS), Master of Science (MS) and Master of Veterinary Medicine (MVM). The programme is supported by six departments of the Faculty, namely the Department of Veterinary Preclinical Sciences, Department of Veterinary Pathology and Microbiology, Department of Veterinary Clinical Studies, Department of Medicine and Small Animal Surgery, Department of Farm and Exotic Animal Surgery and

Department of Veterinary Laboratory Diagnosis. In addition the Faculty has established the Centres of Excellence (CoE) namely CoE Ruminants, CoE of Wildlife and CoE of SWM.

UPM is also the only institution in Malaysia with a well-equipped University Veterinary Hospital (UVH) and Veterinary Laboratory Services Unit (VLSU) providing comprehensive consultation, treatment and surgery, laboratory diagnosis and other veterinary-related services to the public.

Programmes Offered
Bachelor Degrees
Doctor of Veterinary Medicine (DVM)

Postgraduate
- Master of Veterinary Science (MVS)
- Master of Veterinary Medicine (MVM)

- Master of Science (MS)
- Doctor of Philosophy (PhD)

Research Focus

- Zoonotic and Emerging Diseases
- Animal Model in Biomedical Research
- Wildlife Health and Conservation
- Fish Health Management
- Diagnostic Technology on Animal Diseases
- Multidrug Resistant Microbial Populations
- Impact on Veterinary and Public Health
- Veterinary Biologics and Pharmaceuticals
- Edible Bird Meat (Swile) Production, Health and Product Quality
- Ruminant Diseases and Herd Health Management
- Non-ruminant Diseases of Economic Importance
- Companion Animal Health and Welfare
- Veterinary and Comparative Oncology
- Livestock and Veterinary Reproductive Biotechnology
- Impacts of Animal Metabolism in Disease Production

Career Opportunities

Graduates of the Faculty can gain employment as Veterinary Officers or Veterinary Practitioners in government agencies, statutory bodies and private companies involved in animal and animal product and by product-related industries. Entrepreneurial graduates can open and operate their

own veterinary clinics. The DVM graduates are well-trained to serve in other sectors like academic, research and medical institutions and pharmaceutical companies.

Achievements

- Received the ISO 9001 certification in 2000, making the faculty the first institution of higher learning in the nation to receive comprehensive certification in leading research and professional services.
- Awarded ISO 17025 accreditation for four testing laboratories in 2008.
- Commended 4 animal vaccines and 1 diagnostic kit.
- One spin-off company was formed and 12 research products patented in Malaysia, USA and Europe.
- Six professors of the faculty were awarded the prestigious Anugerah Akademik Negara, Malaysia

Contact us:

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> FEEDBACK

Mohamed Ariff b. Syed Mohamed
Australia
Faculty of Economics and Management

"I have been closely linked with the Faculty of Economics and Management for a long time. First as a Visiting Professor in 1989 followed by occasional visits to teach between the period of 1992-2002. Between 2003-2013 I served as Renong and Maybank Chair. I am happy to be able to come back and serve UPM as a Senior Professor in a faculty that is AACSB Accredited and a university that has and international reputation for teaching, learning and research."

The 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 three departments to cater to the increasing demand and needs of various industries. The three departments are the Economics Department, the Management and Marketing Department and the Accounting and Finance Department.



FACULTY OF ECONOMICS & MANAGEMENT (AACSB-ACCREDITED)



www.econ.upm.edu.my



Programmes Offered

Bachelor Degrees

- Bachelor of Accounting
- Bachelor of Economics
- Bachelor of Business Administration

Postgraduate

- Master of Economics
- Master of Science
- Doctor of Philosophy (PhD)

Specialisations Offered

Business Economics, Financial Economics, Development Economics, Industrial Economics, International Economics, Resource and Environmental Economics, Hospitality, and Tourism

Economics Department Courses

Microeconomics, Macroeconomics, Econometrics, Research Methodology Monetary Economics, Development Economics, International Economics, Industrial Economics, Financial Economics, Resource Economics and Environmental Economics.

Management and Marketing Department Courses

Management, Marketing, Human Resource Management, Business Law, Entrepreneur, Finance, International

Business and Hospitality and Tourism.

Accounting and Finance Department Courses

Financial and Management Accounting, Audit, Tax, Finance and Banking Islamic Finance, International Finance, Derivatives, Corporate Finance.

Research Focus

- Industrial Economics
- Financial Economics
- Business Economics
- Public Finance Economics
- Development Economics
- Resource and Environment
- Hospitality and Tourism
- Management & Marketing
- Accounting
- Business Economics
- Islamic Finance & Accounting
- International Trade and Finance Economics

Learning Opportunities for Working Adults

Facilitating the learning needs of working adults, the Executive Program Unit offers part time bachelor degree programmes in the field of Economics, Business Administration and Accounting for those working in the public as well as the private sectors. These programmes are exactly the same as the programmes offered to full time students. Classes are conducted after office

hours during weekdays and Saturdays and Sundays for those opting for the weekend mode. Students follow the trimester system and they complete their studies in 4 years.

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, financial, operation and human resource. Other functional areas in local and international organizations also include banking, real estate, manufacturing, commerce, telecommunication and various industries.

Achievements

The Faculty of Economics and Management at UPM is the first university in the country and the sixth in South-East Asia to receive an accreditation from the International Body Association to Advance Collegiate Schools of Business (AACSB). AACSB accreditation is a feature of excellence in business education which is only obtained by less than 1% of business programmes in the world.

The SME@UPM Programme

in collaboration with Pembangunan Sumber Manusia Berhad (PSMB) and Universiti Kebangsaan Malaysia (UKM) has established the SME@UPM Programme, which was launched on 23rd June 2011 by YB Dato' Sri Mustapa Mohamed. SME@UPM Programme is based on the

model of SME University of Japan in cooperation with the Organisation for Small and Medium Enterprises and Regional Innovation of Japan (SMRJ) or recently known as SME Support of Japan. Since 1962, SME University of Japan has been offering high-level professional training to their SMEs and its supporters such as the Government, financial institutions and the business chambers.

SME@UPM Programme

The Faculty of Economics and Management at UPM, Serdang has been offering the SME@UPM Programme, every Saturday and Sunday since March to June 2012. The main objective of the programme is to provide a structured learning opportunity to the CEO's of Small and Medium Enterprises (SMEs). This Programme is designed to develop capable human capital that drives innovativeness and creativity. The Programme adopts a hands-on approach to ensure the participants gain knowledge in entrepreneurship and business tools.

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> FEEDBACK

Dr. Adam Reda Hasan Alhawari

Jordan

Senior Lecturer

Department of Computer and Communication
System Engineering

"Coming to the tropical 'Paradise of the World' as Malaysia is typically referred to by international students was the best choice I have made in a long time. As a Moslem, I find the fact that I am surrounded by Halal food and mosques absolutely reassuring. Also, the environment is safe and there are plenty of leisure activities for students to engage in during their past time. As such, I find UPM to have the best of both worlds and I sincerely believe that I could not have chosen a better university even if I tried. As a student, I hardly felt like I was away from my homeland because the environment of the university perfectly fitted my needs and interests. Doing with students from all over the world has also made me more mature and taught me to become a patient, tolerant and self-confident person. Besides improving my English, I also picked up a new language, Bahasa Malaysia. Where academic support is concerned, I was lucky because I received effective supervision and cooperation from my supervisors. Since the department provided adequate tools for research and funds, I was allowed to pursue my research without any hassle in order to graduate ahead of time. In no time, I found myself pursuing my PhD under the same supervisors. I was lucky to be appointed as an academic staff at UPM after completing my PhD. My life certainly got better after I began pursuing an academic career at UPM and I am indebted to UPM for having given me an amazing opportunity such as this."

The Faculty of Engineering

UPM's Faculty of Engineering, from its 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, Computer and Communication Systems, Mechanical and Manufacturing, Process and Food. Also offering 34 postgraduate programmes, with combined enrolment of over 3000 for undergraduate and postgraduate students.

FACULTY OF ENGINEERING

www.eng.upm.edu.my



Programmes Offered

Bachelor Degrees

- Bachelor of Engineering (Aerospace)
- Bachelor of Engineering (Civil)
- Bachelor of Engineering (Agricultural and Biosystems)
- Bachelor of Engineering (Electrical and Electronic)
- Bachelor of Engineering (Chemical)
- Bachelor of Engineering (Mechanical)
- Bachelor of Engineering (Process and Food)
- Bachelor of Engineering (Computer and Communication Systems)

Postgraduate

Programmes With Thesis (Master & PhD)

- Aerospace Engineering
- Computational Methods in Engineering
- Agricultural Mechanisation and Automation
- Agricultural Waste Engineering
- Farm Structures
- Agricultural Process Engineering
- Safety, Health And Emergency Management
- Soil And Water Engineering
- Biochemical Engineering
- Chemical Engineering
- Environmental Engineering
- Materials Engineering
- Geotechnical and Geological Engineering

- Geographic Information System (GIS)
- Highway and Transportation Engineering
- Project Management
- Remote Sensing
- Geospatial Engineering
- Structural Engineering
- Water Resources Engineering
- Wireless Communications and Networks Engineering
- Computer and Embedded Systems Engineering
- Signal Processing
- Photonics Engineering
- Biomedical Engineering
- Control System Engineering
- Electrical Power Engineering
- Electronic Engineering
- Industrial Engineering
- Manufacturing Systems Engineering
- Mechanical Engineering
- Food Engineering
- Automotive Engineering
- Packaging 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

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.

Career Opportunities

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

Achievements

- Numerous awards won annually for local and international research exhibition / competition such as Malaysia Technology Expo (MTE), International Exhibition of Inventions of New Techniques and Products (IENA), Malaysia International Robotic Competition (MIRoC), Khwarizmi International Award, National Young Scientist Award and Top Research Scientist Malaysia.
- Recipient of local and international grants valued at RM8 million.
- Over 500 publications in journals, proceedings, chapters in books and consultancy reports.
- Collaborations with international Universities such as Jointly Awarded Degree Programme with University of Sheffield, Dual Degree Programme with Nottingham University, United Kingdom, and Jointly Awarded PhD with The University of Newcastle, Australia.

Contact us:

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> FEEDBACK

Sara Kasmaienezhad Fard

Curriculum and Instruction (Ph.D Candidate)
Faculty Educational Studies

"It is my belief that Universiti Putra Malaysia is the best option for me personally because of the courses available and the many activities in which I had the opportunity to participate. I was initially worried about coming to Faculty of Educational Studies as a foreigner. However these days I love just about everything about my life at this university and faculty. Lecturers here inspire us so extensively. Students are viewed as individuals and treated with respect. I chose this faculty because it suits my needs as a student and an individual and because people are friendly and warm. The lecturers and thesis committee members are always enthusiastic about the projects that students undertake. The multiple groups and activities on campus are just as amazing. The one thing I particularly like about this faculty is its diversity in cultures and how people of different backgrounds blend in to form one body known as the Faculty of Educational Studies. I am so proud to be an international student at UPM and I believe that during my stay here for the next two years, my experience will be further enriched."

FACULTY OF EDUCATIONAL STUDIES

(TEAC-ACCREDITED)



www.educ.upm.edu.my



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

Programmes Offered

Diploma

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

Bachelor Degrees

- Bachelor of Education in Agricultural Science
- Bachelor of Education in Home Science
- Bachelor of Education in Physical Education
- Bachelor of Education in Teaching Bahasa Malaysia as the First Language
- Bachelor of Education in Teaching English as a Second Language
- Bachelor of Education in Guidance and Counselling
- Bachelor of Education in Moral Education
- Bachelor of Education in 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
- Guidance and Counselling
- Language Learning (TESL and PBMP)
- Innovations in Teaching-Learning
- Human Resource Development
- Gender Studies
- Extension System
- Continuing Education
- Sociology of Education
- Educational Administration
- Educational Psychology
- Career Development
- 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

Career Opportunities

Graduates can build a career 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.

Achievements

- **UNIVERSITY** university to earn the TEAC Accreditation from The Teacher Education Accreditation Council, USA.
- **UNIVERSITY** top 100 in Education for QS subject ranking.

Contact us:

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> FEEDBACK

Dr. Adem Kilicman

Turkey

Professor in Department of Mathematics
Faculty of Science

"I started working at UPM in 1997 when it was just renamed as Universiti Putra Malaysia and have observed that there have been fast developments since then in the ICT programmers and the infrastructure related to the ICT. UPM provides perfect superb facilities for the staff as well as students who are looking forward to a challenging educational environment. Most of my colleagues are very knowledgeable and understanding; and that has made UPM a comfortable environment to work. UPM is an ideal environment for development of scholastic activities, and I have learned a great deal since I started working here. In short, my experience at UPM has been nothing but delightful and encouraging."

FACULTY OF SCIENCE

www.science.upm.edu.my



The Faculty of Science comprises the Department of Biology, Department of Chemistry, Department of Physics and Department of Mathematics programmes. Undergraduate programmes are designed to provide students with solid background 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
 - Physics
 - Instrumentation Science
 - Materials Science
 - Chemistry
 - Industrial Chemistry
 - Petroleum Chemistry
 - Mathematics
 - Statistics

- **Bachelor of Science** with Education (Honours) majoring in:
 - Biology
 - Physics
 - Chemistry
 - Mathematics
 - Statistics

Postgraduate

- **Master of Science**
- **Master of Applied Statistics**
- **Doctor of Philosophy**

Field of Studies

- Physics**
- Physics
 - Material Science
 - Applied Physics
 - Theoretical and Computational Physics

Mathematics

- Statistics
- Applied Mathematics
- Numerical Analysis
- Pure Mathematics

Chemistry

- Analytical Chemistry
- Catalysis
- Theoretical and Computational Chemistry
- Physical Chemistry
- Organic Chemistry
- Inorganic Chemistry

Biology

- Biodiversity and Conservation of Natural Resources
- Ecology
- Genetics
- Physiology

Research Focus

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

Career Opportunities

Opportunities are abound in the public and private sectors for research officers, teachers, science officers, manufacturing engineers and many more, such as transportation, telecommunication, electrical supply, chemical manufacturing, agricultural engineering, food processing, environment, petrochemical, aerospace industries, product development, research and also academics.

Achievements

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

Contact us:

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• www.science.upm.edu.my

> FEEDBACK

Dr. Abdulkarim Sabo Mohammed

Nigeria
Presently employed as Associate Professor at the
Department of Food Science, UPM

"When I arrived at UPM over 10 years ago, I was delighted by the beautiful and soothing environment of the campus. As a student, I found that UPM had everything one needs in order to study effectively and to prepare as an academician. The facilities are world class; the environment is gorgeous with lush greens all around; and I absolutely love the wonderful sports facilities and the fully-equipped library. As one who loves and appreciates culture, I was amazed by the university's museum collection that displays invaluable artefacts of Malay tradition from many centuries ago. And above all, the warmth and friendliness of the locals and fellow university mates and colleagues continue to mesmerise me. And so, it is hardly surprising why after successfully completing my studies, I quickly jumped at the opportunity to be part of the academic team when I was given the chance to join as a Senior Lecturer. The university has all the necessary facilities such as research grants and student scholarships to support both students and lecturers, and that is why UPM remains one of the most favourite study destinations for students from Africa, Middle East and other parts of the world."



FACULTY OF FOOD SCIENCE & TECHNOLOGY

www.food.upm.edu.my



The Faculty of Food Science and Technology at UPM is the most established institution of its kind in Malaysia. It offers a wide range of academic programmes that fit the needs of the food manufacturing and food service industry, with state-of-the-art teaching and research facilities available. Students will be exposed to valuable experience through innovative curriculum; varied extracurricular activities; research opportunities and internships.

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 Centre (SFC) was established with the objective of developing local researchers and experts in the production of the chemicals, nutraceuticals and pharmaceuticals. With nearly 30 years of experience, both the undergraduate and postgraduate programmes are recognised throughout South East and Central Asia. The faculty's Food Safety Research Centre official website (FOSREC) 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 food ingredients, nutraceuticals and pharmaceuticals using green technology.

Programmes Offered

Bachelor Degrees

- Bachelor of Food Science and Technology
- Bachelor of Science (Food Studies)
- Bachelor of Science (Food Service Management)

Postgraduate degrees

Master of Science / Doctor of Philosophy in:

- Food Safety
- Food Science
- Food Technology
- Food Biotechnology
- Food Management
- Food Service
- Master of Food Technology (coursework)

Research Focus

- Functional Foods
- Fats and Oils
- Food Service
- Food Safety and Quality
- Food Processing
- Food Bioprocessing
- Flavour and Sensory
- Food Management

Career Opportunities

For our graduates, there are many job opportunities available in both the private and public sectors. These include jobs such as food manufacturers, food analysts, food security officers, research officers, halal food enforcers, food entrepreneurs, food marketing officers, food products research and development executives, restaurant managers, chefs, food consultants, food writers, restaurant designers, and food stylists.

Achievements

- The Ministry of Health in 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 (MIRA) for the ASEAN 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.

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> FEEDBACK

Assoc. Prof. Dr. Made Mantle Hood
Australia
Associate Professor, Department of Music
Faculty of Human Ecology

"The first time I arrived on campus, I thought to myself, 'this feels like a country retreat'!! In a busy metropolis like Kuala Lumpur, I was really surprised to find that my new home was full of greenery. There are sprawling tree-lined boulevards, plantation-like parcels of well-managed gardens, and convenient eco-friendly campus transportation to see it all. I live close to the campus and often ride my bicycle to the office. There are clearly marked bicycle pathways taking me easily from one faculty to the next and the air is fresh and clear in the morning. I am a university professor specialising in Southeast Asian popular music and culture studies. Here I see my students' faces mirror the multiplicity and diversity of ethnicities that make up campus life. UPM truly has the complete package as a research university. In my opinion it achieves the right balance between talented staff, inquisitive students and supportive administration. The quality of students is truly exceptional. This is particularly refreshing as a teacher because not only do I hope to impart knowledge upon my students, but my students inspire me to excel. It is this type of reciprocal relationship between teachers and students that is crucial to a leading research university."

FACULTY OF HUMAN ECOLOGY

www.eco1.upm.edu.my



The Faculty of Human Ecology focuses on the development and wellbeing of human beings within the context of their environments. At present, the Faculty of Human Ecology comprises of the departments; Human Development and Family Studies, Resource Management and Consumer Studies, Social and Development Sciences, Government and Civilization Studies, and 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 Centre (LESTARI) were established. The Faculty of Human Ecology is the only faculty in the country to offer Bachelor of Science (Human Development) and Bachelor of Consumer Studies.

Programmes Offered

Undergraduate

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

Postgraduate

- Master of Science
- Doctor of Philosophy (PhD)

Research Focus

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

Career Opportunities

Employment opportunities include management consultants, company secretaries, ~~finance managers~~, marketing executives, consumer protection ~~officers~~, ~~IT officers~~ and administrators in both public and private sectors. Graduates of the 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.

Achievements

The Faculty of Human Ecology was appointed 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.

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> FEEDBACK

Serge Gabarre

France

Senior Lecturer at Department of Foreign Languages

"When the French government offered me a 16-month posting as a lecturer as part of its partnership programme with UPM, I was filled with anticipation of how the experience would be. I had previously travelled to Malaysia on several occasions, and the name UPM brought back memories of rolling hills that I had gazed at through a bus window as I was travelling along the North-South Expressway. For a fresh graduate, teaching French for sixteen months was a unique experience. My wife and I were provided with accommodation on campus at the university's Rumah Tetamu (guest house) located just a stone's throw away from the library. I still hold fond memories of those times when the Faculty of Modern Languages was located in the Bangunan Kayu (wooden building). Fastforward nineteen years, and I find myself still attached to UPM. Although the university has undergone tremendous modernisation since, it has managed to retain a wonderful green setting. Often people ask me whether I would not like to teach elsewhere for a change, but my answer has always been no, since UPM provides a nurturing environment where faculty members and postgraduate students are constantly encouraged to conduct research."



FACULTY OF MODERN LANGUAGES & COMMUNICATION

www.fbmk.upm.edu.my



Active and exciting, the Faculty of Modern Languages and Communications 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, Myanmar, 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

A. On-campus Programmes

- **Bachelor of Arts**
 - Malay Language and Linguistics
 - Malay Literature
 - English
 - English Literature
 - Foreign Languages (Arabic, Mandarin, French, German)
- **Bachelor of Communication**

B. Executive Programmes

- **Bachelor of Arts**
 - Malay Language and Linguistics
 - English
 - Foreign Languages (Arabic Major)
- **Bachelor of Communication**

Postgraduate

▪ Master of Science/ PhD in:

- Applied Comparative Linguistics
- Arabic Language
- Chinese Literature
- Cultural and Literary Studies
- Communication Technology (Master Only)
- Discourse Studies
- Development Communication (Master Only)
- English Literature
- English Language
- Journalism (Master Only)
- Literacy Studies
- Malay Language
- Malay Literature
- Mass Communication (PhD Only)
- Organizational Communication (Master Only)
- Translation and Interpretation

- **Master of Applied Linguistics**
- **Master of Corporate Communication**
- **Master of Malay Language**
- **Master of Malay Literature**
- **Master of World Literature**

Areas of Expertise

- Language Studies (Malay, English, Arabic, Mandarin, German, French)
- Applied Linguistics
- Language Testing
- Language Acquisition
- Language for Specific Purposes
- Literature, Culture and Gender Studies

- Media Communication, Communication Technology and Development
- Communication Excellence in Organisation and Culture
- Corporate 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.

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 radio station of its kind in a Malaysian university.**
- **It has established the one and only Museum of Arts and Malay Heritage known as Muzium Kesenian Dan Warisan Malayu.**

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> FEEDBACK



Dr. Hammah Kweku Norriss

Ghana
Phd candidate in Urban Planning & Design, Faculty of Design & Architecture

"I came to UPM out of personal choice to do my PhD after completing my Masters degree at Universiti Teknologi Malaysia. This was because I found the programme offered at UPM's Faculty of Design & Architecture better suited my needs and experience as a town planner. Also, I found the professional background of the faculty's lecturers, who are mostly trained in world-class universities, to be highly interesting and felt that I could benefit greatly from their knowledge and expertise. The other reason I chose UPM was because it is well-known for its research and high-quality academic teaching. Students' projects are often sent abroad to world-class universities for evaluation and exhibition and I find that to be an excellent opportunity for the students to gain international recognitions. Studying at UPM has made me more focused and competent and my research project has earned me a ready job in one of the best universities in Australia, and I owe it all to UPM."

FACULTY OF DESIGN & ARCHITECTURE

www.frsb.upm.edu.my



Programmes Offered

Bachelor Degrees

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

Postgraduate Degrees

- 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

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

Career Opportunities

Qualified graduates may aspire to become professional architectural consultants and industrial designers. Graduates may also be hired as project managers in the construction and development sectors as well as researchers sensitive to architectural design and sustainability.

Achievements

- Established **Mem. Cipta** International Journal on Sustainable Tropical Design Research, 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 and staff at local and international competitions and exhibitions.
- Filed 1 patent and 52 IDS at local and international levels.

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> FEEDBACK

Bahareh Hosseinpour Sarmadi

Iran
Phd candidate in Nutritional Sciences
Faculty of Medicine & Health Sciences

"I came to Malaysia 7 years ago to further my postgraduate studies in nutrition sciences. From the very first day, I found Malaysia to be very welcoming and hospitable. Apart from their warmth and friendliness, what distinguishes Malaysians is their united diversity. In one country, you can find people with diverse religions, beliefs and cultures living in peace and harmony. Those who visit the country for the first time are mesmerized by its unique and beautiful nature. And so, it is no surprise when I say that I was very excited to start my study at UPM. Here, modern facilities are employed for up-to-date research and teaching which help students with their skills and knowledge. Students can easily access the latest literature by online databases and well-equipped libraries. The university is located in Serdang, a town just between the two capitals, Kuala Lumpur and Putrajaya, which makes it easy to do the necessary official tasks in the embassies or ministries. The University's sports, recreation, and leisure facilities help me deal with stress and tension effectively. I also enjoy having friends from various nationalities, Arabs, Africans, Europeans, and my fellow-countrymen."



FACULTY OF MEDICINE & HEALTH SCIENCES

www.medic.upm.edu.my



The Faculty of Medicine and Health Sciences offers programmes in both disciplines, comprising 15 departments. The faculty is located at an Academic Complex next to the Serdang Hospital. The faculty facilitates the active learning of over 1,500 undergraduate and graduate students through disseminating knowledge and practical training together with opportunities in research.

The complex has many facilities which include administrative building, library, lecture halls, tutorial rooms and teaching and research laboratories. In addition, there are four blocks of student 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
- Master of Public Health
- Master of Pathology
- Master of Psychiatry
- Master of Paediatric
- Master of Family Medicine
- Master of Anaesthesiology
- Doctor of Philosophy

Research Focus

- Genetic
- Nutrition
- Neuroscience
- Stem Cells
- Molecular Diagnostics
- Community Health
- Cancer
- Nutrition and Health
- HIV/ Substances Abuse
- Allergies
- Mental Health
- Cardiovascular Disease
- Thrombosis
- Human Research

Career Opportunities

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

Achievements

The university has been bestowed with numerous awards including but not limited to clinical and lab research or teaching and is also globally recognized in the academic field for its publication.

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> FEEDBACK

Muhammed Basheer Jasser

Syria

PhD candidate, Computer Science/ Software Engineering

When I finished my bachelor degree at Aleppo

University and wanted to pursue my post graduate studies abroad, I didn't hesitate to choose Malaysia because I found out that Universiti Putra Malaysia offers quality education and has high world ranking. The tuition fees of UPM seemed very reasonable compared to other universities and it offers degree programmes of similar quality and standard. The university's location was also a crucial factor that helped me decide on this university because Serdang offers everything students need such as good accommodation, food and basic living materials. I love the environment here which is far away from noisy and crowded areas and relaxes the mind and is ideal for academic work. The best thing about UPM is the warmth, friendliness and kindness of staff and lecturers. It's also a great feeling to see my lecturer praying with me at the university mosque or eating in the food court. I must say I am glad I chose UPM as my preferred destination to complete my PhD studies for the next three years for I'm really happy to be part of this family which is called UPM."

FACULTY OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

www.fsktm.upm.edu.my



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 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 Software Engineering and 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)
 - Database Systems
 - Security in Computing
 - Software Engineering
 - Information Systems
 - Computer Networks
 - Parallel and Distributed Computing
 - Intelligent Systems
 - Multimedia Computing
 - Human Computer Interaction

Research Focus

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

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.

Achievements

- Innovations and innovations produced by the Faculty win awards on an annual basis.
- The faculty has 2 patents and 27 copyrights under its name and also a range of published works that are shared with the industry.

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FACULTY OF BIOTECHNOLOGY & BIOMOLECULAR SCIENCES

www.biotech.upm.edu.my

> FEEDBACK

Dr Adam Leow Thean Chor

Malaysia

Senior lecturer at Department of Cell and Molecular Biology, Faculty of Biotechnology and Biomolecular Sciences

"Enrolling as an undergraduate student under the Bachelor of Science (Hons.) Microbiology programme in 1997 was a great experience for me. I was this naive person who knew nothing about the wonderful world of microorganisms. Acquiring knowledge during that three year programme shaped me as a person and a professional who became well-versed in biomolecules of extremophiles, microorganism that grow under extreme condition i.e. high temperature. My growing interest in research motivated me to pursue a PhD programme. Supported by a conducive and fully equipped laboratory, I was able to publish my research findings in six high impact international journals, and the Enzyme and Microbial Technology Research group (EMTech) recognised my contribution by awarding me as the "Researcher of the year" in 2005. My enthusiasm in research prompted me to become a post-doctoral fellow for two years in the field of protein engineering in UPM funded by MOSTI. During my post-doctoral tenure, I was given the opportunity to participate in the national Angkasawan Programme to embark researches on microgravity sciences under the project "Protein in Space". Being one of the renowned research universities in Malaysia, the research culture in UPM nurtured my enthusiasm in research which saw me receiving the Young Scientist Award in 2009 and Excellent Service Award in 2014."



By 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 biotechnology sector is important 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 two well-established departments, Biotechnology (established in 1986) and Microbiology & Biochemistry (established in 1976).

The faculty comes with well-equipped laboratories and experienced academic staff, all holding PhD degrees in their respective fields and possessing broad and deep scientific knowledge. Biotech

UPM has four departments
(i) Department of Biochemistry
(ii) Department of Bioprocess Technology
(iii) Department of Cell and Molecular Biology, and
(iv) Department of Microbiology.

Programmes Offered Undergraduate

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

Postgraduate

- Master of Science / Doctor of Philosophy in various fields of study:

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

Research Focus

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

Career Opportunities

Career opportunities exist in the industries related to biotechnology and biomolecular sciences. These include private companies, research institutes, government departments and institutes of higher learning. Some of the companies and institutions involved in industries related to biotechnology and biomolecular sciences are Unilever, Ajinomoto, NOVO Nordisk, B. Braun, Guinness, Glaxo, Setron, Asiangreen, 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.

Achievements

The active research activities in various disciplines under the Faculty have resulted in a number of awards won and patented every year, as well as publications in refereed journals with high impact factors.

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> FEEDBACK



Hosea Kato Mande
Nigeria
PhD candidate, Faculty of
Environmental Studies

"I am so fortunate to have the experience of studying at UPM and my time here exceeds any expectation I have ever had. The university itself has a beautiful campus which caters for every aspect of the student life, which includes excellent academic facilities. I am proud to be a part of UPM's well-balanced academic programme that is distinct in its commitment to academic depth, professional rigour and high international standards. The research strategy adopted for postgraduate students brings out independence and maturity. What stood out most for me was the spontaneity and high level of commitment of staff - they are enigmatic and often stretch you beyond your comfort zone. As a student, I find that such an approach has made me more aware of my strengths and weaknesses. An added bonus in UPM is that you get to learn with and learn from a talented and diverse cohort of classmates, and the experience has taught me to appreciate different cultures.

The sports facilities are incredible - I was involved in cycling, basketball and college rugby. I find the experience at UPM to be most invaluable and highly enjoyable, and have no hesitation in recommending UPM to anyone who is serious in pursuing his or her studies."

FACULTY OF ENVIRONMENTAL STUDIES

www.env.upm.edu.my



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 department- 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

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 MACR ES, FRIM, state governments, SIRIM, ESSO, Petronas, Shell, water supply companies, environmental consultants and many more.

Achievements

- The Faculty of Environmental Studies is recognized 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 RM 2 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 simulation of field-based information.

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> FEEDBACK



Ahmed Osumanu Horura
Ghana
Lecturer, Department of Crop Science

"I came to UPM as a postgraduate student and am now a lecturer at the Department of Crop Science. I and this opportunity to teach at UPM to be a blessing for I strongly believe that it serves as a great platform for anyone who wishes to pursue a career in the academic world. I believe I have much to offer in the field and I have undertaken and I am most grateful to UPM to have given me the opportunity to prove myself in this field."

FACULTY OF AGRICULTURE & FOOD SCIENCES

@ Bintulu Campus

www.btu.upm.edu.my



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 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 the market demands. The departments that make up the faculty are crop science, forestry science, animal sciences and fishery, basic science and engineering and social sciences.

Programmes Offered

Pre Diploma

- Pre Diploma Science

Diploma

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

Bachelor Degree

- Bachelor Science Bioindustry

Postgraduate

Master of Science and Doctoral Degree in:

- Agribusiness
- Agricultural Economics
- Agronomy
- Analytical Chemistry
- Animal Production
- Aquatic Biology
- Aquaculture
- Biochemistry
- Chemistry
- Entomology
- Environmental Chemistry
- Forestry
- Land Resource Management
- Marine Ecology and Biology
- Microbiology
- Park and Recreation Management
- Plant Biotechnology
- Plant Pathology
- Wood Science and Technology

Research Focus

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

Career Opportunities

Possible careers for graduates of 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.

Achievements

The competitive culture in the research university has created a platform that annually produces many award recipients from the Faculty.

The Green Book Programme

As a destination of agriculture education, our Faculty offers a special subject called The Green Book Program. It is compulsory for students to take this subject as 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.

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> FEEDBACK

Mustapha Umar Imam

Postdoctoral Research Fellow at Laboratory of Molecular Biomedicine, IBS.

"I decided to come to Malaysia for my studies because of the perceived cultural similarities and affordable cost of living. Upon arrival in Malaysia sometime in June 2009, I was immediately fascinated by a lot of things, not least by the cultural shock that was almost unbearable. I eventually became receptive of the Malaysian culture, and I have since learnt a lot from it. The relaxing academic and research atmosphere meant I could pursue both research and other extra-curricular activities on campus. This saw me rising to the post of the President of the UPM International Students' Association (2011/2012), in the same year I was awarded the Young Investigator award for demonstrating the nutrigenomic mechanisms underlying the effect of germinated brown rice on antioxidant status of type 2 diabetic rats, at the 16th Biennial Meeting of the Society for Free Radical Research International, held at Imperial College London. Through my participation in the International Students' activities, I got to meet people from all over the world. Moreover, at that time there were students from over 60 countries, and the unique cultural diversity each person brought along created a new blend of identity for us. Within the period of my active participation in the association, I learnt more than I did in the preceding 2 years. My research timing was really flexible, and that meant I could attend to official association activities in the early parts of the day and conduct my research later in the day until late at night. Of course, these would not have been possible without a very supportive supervisor/advisor, and a brilliant research environment."



INSTITUTE OF BIOSCIENCE

www.ibs.upm.edu.my



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. Currently, IBS is steered by more than 45 scientists with expertise in various fields such as veterinary, marine and biomedical sciences, biotechnology and agriculture who are actively pursuing innovative research.

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 nutri-cosmeceuticals 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 to generate beneficial innovations for the benefit to the global community. IBS is

also recognised by the Ministry of Higher Education as one of the seven Higher Institution Centres of Excellence (HiCoE) in the country for research in animal vaccines and therapeutics.

Laboratories

- Laboratory of Natural Products
- Laboratory of Molecular Biomedicine
- Laboratory of Vaccines and Immunotherapeutics
- Laboratory of Marine Biotechnology
- Laboratory of Cancer Research UPM -MAKNA

Research Programmes

- Natural Products Discovery
- Natural Products Metabonomics
- Vaccines and Diagnostic Technologies
- Immunotherapeutics and Bioceuticals
- Multi-Cosmeceutical, Nutrigenomics and Nanodelivery
- Therapeutics & Engineered Proteins
- Translational Genomics
- Cancer Diagnosis and Therapeutics
- Aquatic Diagnostics & Health Management

Achievements

- **Received the** highest research grant amounting to RM 120 million in the last seven years.
- **Produced 5 commercial** products, 22 patents and 117 patents pending.
- **Established a new core** facilities for research and services such as the Microscopy Unit, Rodent Breeding and Testing Facility, High-end Spectroscopy Facility, Supercritical Fluid Extraction Facility and Proteomics Core Facility.
- **Maintains a 2-ha UPM** Conservatory Park which has a collection of more than 500 species of medicinal plants for research and teaching.

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> FEEDBACK

Zainab Yunusa

Nigeria

PhD in Sensor Technology Engineering, Institute of Advanced Technology

"I chose UPM to do my PhD because of the strong research platform that it offers postgraduate students. I am currently in my 3rd year of PhD studies in Sensor Technology Engineering. During the course of my programme, I have acquired a great deal of knowledge, skills and expertise **in the field. This has moulded me into a strong researcher.** I must say I owe it all to my lecturers and supervisors and also to the requirement set by the university that all PhD students must publish in journals as part of their PhD programme. This has enabled me to work at getting my works recognised through my publications. Also, through my research, we have also produced inventions which I hope will be commercialised and serve towards the betterment of the community. All I can say is that I have no regrets about coming to UPM and am enjoying every day of my stay here as a student."

INSTITUTE OF ADVANCED TECHNOLOGY

www.itma.upm.edu.my



Institute of Advanced Technology (ITMA), UPM was established in 1999 as an interdisciplinary advanced research institute. ITMA provides leadership in research and development in advanced materials and nanotechnology focusing on areas such as materials synthesis and characterization, materials processing and technology and materials applications in functional devices.

ITMA develops world-class research laboratories, attracts renowned researchers and trains future research leaders in niche areas related to advanced materials and nanotechnology. ITMA shares its **research findings, expertise and**

facilities with research communities and industries throughout the world.

Objectives

ITMA aims to be a leading institute in advanced materials and nanotechnology focusing on research, postgraduate studies and consultancy services. The main objectives are as follows:

- To undertake, coordinate and lead research in nanotechnology and advanced materials.
- To develop competitive and competent researches who are able to produce high quality research with remarkable high impact and commercial values.
- To perform as a centre for knowledge and innovative technology disseminations and establish networking with universities, laboratories and industries
- To enhance strategic collaborations among researches in public and private institutions globally.

Laboratories

Three well-equipped laboratories are available in facilitating research in the combined areas which support the advancement in advanced materials and nanotechnology through interdisciplinary programmes, and collaboration with research communities throughout the world

- Materials Synthesis and Characterization Laboratory (MSCL)
- Materials Processing and Technology Laboratory (MPTL)
- Functional Devices Laboratory (FDL)

Field of Studies

- Nanoscience
- Advanced Materials
- Nanotechnology
- Green Engineering
- Energy Engineering
- Sensor Technology Research Groups
- Nanomaterials
- Functional and Structural Materials
- Advanced Materials Processing
- Materials Technology
- Sensor Technology
- Electron Devices

Achievements

- Gold Medal for research on "Thick Film Paste for Electronic Devices" at The Belgian and International Trade Fair for Technological Innovation
- One of the **100 BEST** researcher has been recognised as one of the Top Research Scientist in Malaysia by the Academy of Sciences Malaysia (Akademi Sains Malaysia)

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> FEEDBACK

Dr. Yadollah Abolfathi Momtaz
Iran
Research Fellow, Institute of Gerontology

"I am currently working as a research fellow at UPM's Institute of Gerontology after receiving my PhD in Gerontology from the university in 2011 after four years of full-time study. All I can honestly say is that the friendly nature of lecturers and staff as well as the excellent facilities/resources of UPM helped create a fantastic environment for me to gain valuable experience, both academically and socially. I can say this without any hesitation that my decision to join UPM was one of the most inspiring choices I have made in my life. Being here is certainly a dream come true for me."

INSTITUTE OF GERONTOLOGY

www.ig.upm.edu.my



Rapid ageing of the population in Malaysia has 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 citizens. 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.

Laboratories

- Laboratory of Social Gerontology
- Laboratory of Medical Gerontology
- Laboratory on Gerontechnology

Research Programmes

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

Achievements

- The Institute has completed over 63 interdisciplinary research projects with a total grant value of RM11 million from local and international sources.
- The Institute is the only entity offering postgraduate programmes (MSc. & PhD) in the field of Gerontology in Malaysia. It ran satellite training programmes with the United Nations International Institute on Ageing, Malta.
- The Institute introduced the University of the Third Age (U3A) programme as a social innovation to promote active and productive ageing through lifelong learning activities. Since 2008, the U3A programme has benefitted over 700 senior citizens aged 50 years or over.

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> FEEDBACK

Dr. Md. Sohel Rana

Bangladesh

Associate Researcher, INSPERM / Lecturer,
Department of Mathematics, Faculty of Science

"As a Lecturer at the department of Mathematics and a co-researcher at the Institute for Mathematics Research (INSPERM) who also graduated as a PhD student at INSPERM, it gives me great pleasure to talk about INSPERM and UPM. Upon my arrival at the university campus, I was mesmerised by the beauty of the campus scenery. I discovered later that the people of this campus are even more beautiful, cordial, helpful, generous, and friendly. As one of Malaysia's leading research universities, UPM combines impressive modern facilities and a dynamic approach of teaching and research with its proud heritage of quality services and achievements. It has been more than three years since I started working here. INSPERM is one of the leading institutes in UPM which focuses on research on pure and applied mathematics, statistics and operational research and frequently hires renowned professor to conduct workshops, lecture series and seminars on Mathematics and Statistics and related fields. I find that to be extremely beneficial for students and lecturers. I am very happy to be a lecturer / researcher at INSPERM and Department of Mathematics because working here as an academicians has really enhanced my academic career as well as my personal development."

INSTITUTE FOR MATHEMATICAL RESEARCH

www.inspem.upm.edu.my



INSPERM 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 serves as a two-way conduit between public and private agencies through which problems requiring mathematical solutions can be channelled and examined in depth. At the same time we also

aggressively engage in collaborative research with agencies from within and outside UPM. One of our main functions is to identify and invite bright, young researchers with potential to carry out research and to nurture their talents as they pursue their postgraduate degrees with us.

In establishing INSPERM 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 on Cryptography, Analysis and Structure
- Laboratory on Computational Sciences and Mathematical Physics
- Laboratory on Computational Statistics and Operations Research
- Laboratory on Ethnomathematics and Didactics
- Laboratory on Statistical Services and Computing

Research Programmes

- Analytical Structural Modeling and Topological Networking
- Computational Operations Research
- Mathematical Structures and Techniques in Physical Sciences
- Mathematical Values in Society
- Pedagogical Developments in Mathematics
- Statistical Modelling and Computational Statistics
- Numerical and Algorithmic Cryptography and Computational Number Theory

Achievements

- Recognition from the European Mathematical Society (EMS) as an "Emerging Regional Center of Excellence"

Contact us:

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43400 UPM Serdang,
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www.inspem.upm.my

INSTITUTE OF AGRICULTURAL & FOOD POLICY STUDIES

(IKDPM)

www.ikdpm.upm.edu.my



The Institute of Agricultural and Food Policy Studies (or Institut Kajian Dasar Pertanian dan Makanan, IKDPM) focuses on providing solutions to sustainable agricultural development in the face of growing complexity of future challenges such as resource depletion, climate change, globalisation and advances in technology. It provides alternative perspectives and policy options to the policy makers and public at large.

IKDPM receives grants from public and international agencies to carry out mainly policy evaluation on issues pertaining sustainable development,

natural resource and environmental economics, quantitative modelling of the sector and agricultural and food economics. IKDPM is actively involved in providing input for policy analysis and decisions.

IKDPM activities are research, consultancies and public services in:

- **Analyzing the Impact** of the macro policy changes, locally and globally on the agriculture and food sectors;
- **Providing policy** options for major problems in the agriculture and food sectors; and
- **Identifying and** analysing current and future issues in agriculture, food and natural resource.

Laboratories

- **Resource and Environmental Policy** Laboratory
- **Marketing and Trade** Policy Laboratory
- **Agricultural and Food** Production Policy Laboratory

Research Programmes

- **Competitiveness of Food** and Agricultural Products
- **The Economics of the** Agricultural Marketing and Trade Policy
- **The Prospect and** Sustainability of Food Security in Malaysia
- **System Dynamics** Analysis of the Malaysia Agricultural Sector
- **Natural Resources and** Environmental Policy for Sustainable Development.

Achievements

- **Recently appointed** as the consultant to advise the Ministry of the Plantation Industry and Commodity on the future strategy of the Malaysian Cocoa Industry.
- **Involved in a** collaborative research with CIRAD in a study on - Emerging Countries in Transition to a Green Economy: Will It Make a Difference for Forests and People?
- **Has been appointed** by the WWF to study on 'The Evaluation of the Socio-Economic and Environmental Impacts of Fisheries Subsidies in Malaysia'

Contact us:

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> FEEDBACK

Bonhee Chung
PhD candidate, IKDPM, UPM

"I just finished my fifth semester as a PhD student at IKDPM and I can say with conviction that I have made a right choice. My research skills and knowledge of agricultural economics have improved tremendously, for which, I am deeply indebted to the unending support, kindness, and patience from my supervisory committee members as well as my colleagues. IKDPM is an excellent choice if one wants to pursue a career in research. Everyone, including the professors, research officers, and students, form a close-knit community. I can just walk in into professors' room, whenever I seek guidance or have a problem, and find this to be a great advantage. More importantly, I have easy access to get involved with challenging research projects that are funded by well-known local and international institutions. I have flexible options to take multidisciplinary courses from any of UPM's faculties that best suit my needs. IKDPM offers students unequal opportunities to put knowledge into real practices with a professional guidance from career researchers. What is likely to remain in my life is not just the knowledge of economic factors that affect the rice price in a grocery shop, but understanding of what makes a great human being: hospitality, generosity, humility and great friendships."



> FEEDBACK

Nakyinsige Khadijah

Uganda

PhD candidate in Halal Product Research

"One of my most difficult experiences as a student

at UPM was adapting to the humid Malaysian weather. But like all things, I got used to it after some time. I came here to pursue my Masters degree and the programme that I enrolled in enriched me as a student in so many ways. For one, I learnt how to get my articles published in leading journals. The facilities that I was exposed to, such as the well-equipped laboratories also helped me extensively to secure a CGPA of 4.00 for three consecutive semesters. As a result, I was upgraded to the PhD programme at the beginning of my fourth semester. Upgrading to PhD inspired me to further my research and publications. I am currently in my seventh semester, and have six journal publications, a book chapter and four conference proceedings in my credit. I am also **currently writing the final draft of my PhD thesis. All these achievements could not have been possible without the cooperation and guidance of my supervisory committee, and I must say that UPM has been a wonderful training ground to prepare me for my academic career. If I were given another chance to pursue my education further, UPM would certainly be my first choice."**

HALAL PRODUCTS RESEARCH INSTITUTE

www.halal.upm.edu.my



Halal Products Research Institute is the first academic institution in the world that offers master and doctorate programmes in the halal sector.

The Halal Products Research Institute was established to spearhead research and development on halal products and services. Our research work has become extremely important especially with the demand of halal products increasing globally and the increased complexity of determining the source, there are increasing concerns

on the product authenticity and quality among the Muslim consumers. Thus the vision of The Halal Products Research Institute is **"Upholding the Sanctity of Halal Through Research and Services"**.

Laboratories

- Laboratory of Analysis & Authentication
- Laboratory of Policy and Management
- 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 Toyibhan
- Halal Products Innovation
- Halal Business and Management
- Shariah and Halal Laws
- Halal Slaughtering Management

Achievements

- The 1st Halal Analysis Services Laboratory in Malaysia under the Prime Minister's department.
- Developed a method and kit for Extracting and identifying gelatin protein known as GelExt KIT.
- Halal Porkine DNA Test Kit for the detection of porcine DNA in food and non-food products using portable PCR.
- Won numerous awards locally and internationally.

Contact us:

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> FEEDBACK

Dr. Steven Eric Krauss@Abd. Lateef
Research Fellow, Youth Social Health and
Wellbeing Laboratory, IPSAS

"I have been a proud member of the UPM community since 2001, where I began as a PhD student. When I began as a graduate student, the graduate programme was run out of a small office in the main administration building. Now, it is a School of Graduate Studies that has made the UPM graduate programme one of the best in the region. It is an indication of the university's determination to become world-class in everything it does; a dedication that has made UPM a leading research university not only in Malaysia but regionally as well. I have enjoyed my years at UPM immensely. Now, as a faculty member, I try to provide my students with the best educational experience I can. This starts with a personal dedication to helping them become not only technically-savvy, work-ready graduates, but better human beings as well. At UPM, my colleagues and I focus on the whole student and work to provide a well-rounded educational experience that goes beyond the classroom. In this age of global competition in tertiary education, where students have immense choice in where they choose to study, I think UPM is a terrific bargain. Between the resources and the educational experience that UPM can offer, I would highly recommend UPM to anyone."

INSTITUTE FOR SOCIAL SCIENCES STUDIES (IPSAS)

www.ipsas.upm.edu.my



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 organisational structure also includes Head of Laboratories who is responsible for manning the research and graduate studies activities within Laboratory level. Currently, there are three laboratories:

- Laboratory of Youth Social Health and Well-Being
- Laboratory of Youth Citizenship and Leadership
- Laboratory of Cyber-Generation

Every research programme is headed by an academic expert in the particular research field. Each Laboratory comprises a Research Fellow, Post-Doctoral Researchers, Research Associates, Research Officers and Social Research Officers. The various research projects conducted by the institute enable a conducive academic environment as well as the promotion of

linkages and networks among intellectuals, philosophers, and the communities. IPSAS also offers graduate studies programmes at Master and Doctor of Philosophy (PhD) in the fields of Community Education and Development, Youth Studies, Rural Advancement and Leadership Studies. Currently, IPSAS has 87 registered postgraduate students and has produced 30 graduates at Master and Doctor of Philosophy levels.

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 the field, IPSAS has advanced research strategies on youth empowerment that accentuates youth potential.

Research Programmes

- Youth Citizenship and Leadership
- Youth Well Being and Social Health
- Youth and Technology

Achievements

- "Majlis Pengamalan Malaysia" contributes RM160,000.00 to IPSAS to conduct two research projects on Migrants and Police Retirees

Contact us:

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www.ipsas.upm.edu.my

> FEEDBACK

Farahnaz Sadat Golestan Hashemi
Iran
PhD candidate in plant-biotechnology, Institute of
Tropical Agriculture

'Choosing to study at UPM was a big decision in my life, but one that I am very happy with. I came to UPM from Iran and as soon as I saw the campus I liked it. Now, I am a third year plant-biotechnology PhD Student. The course has allowed me to widen my perception and being a student of UPM has given me the chance to develop an analytical mind. I enjoy living on campus due to its friendly atmosphere and the unique scenery. The well-organised and well-equipped classes, helpful and kind lecturers and friendly staff all encourage me to become a better student. UPM is full of fun. The sports facilities are incredible- the swimming pool and the gym are great places to work out at. **There is also horse riding at UPM which I find to be incredible.** As soon as I arrived in UPM, I realised how warm and welcoming everyone was. I can look back at the last three years and recall some wonderful memories and amazing experiences. I came to UPM not knowing anyone, but will graduate with friends I know will remain my friends for a long time.'

INSTITUTE OF TROPICAL AGRICULTURE

www.ita.upm.edu.my



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** contributions 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, the high value chain aspects are taken into account. 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 been awarded two Long-term Research Grant Scheme (LRGS) projects by the Ministry of Education, Malaysia amounting to RM 21,683,532 to undertake research on enhancing sustainable production of rice and poultry feed in Malaysia.

The Institute has a wide array of modern research facilities which included a central laboratory, a state-of-the-art transgenic plant greenhouse, and a livestock and poultry research complex. The facilities are used to address both applied and fundamental

problems related to crop and animal production.

Laboratories

- Laboratory of Food Crops
- Laboratory of Animal Production
- Laboratory of Plantation Crops

Research Programmes

A. Laboratory of Food Crops

- 1) Improvement and Sustainable Rice Production for Food Security
- 2) Production of High Value Vegetables under Protected Cultivation in Tropics

B. Laboratory of Animal Production

- 1) Strategic Feed Technology and Nutrigenomics
- 2) Sustainable Animal Production through Enhanced Environmental and Welfare Management Practices

C. Laboratory of Plantation Crops

- 1) Functional Genomics for Yield and Quality Improvement
- 2) Molecular Disease Diagnosis

Field of Studies

- Agronomy
- Animal Behavior and Welfare
- Animal Biotechnology
- Animal Nutrition
- Animal Physiology
- Animal Production
- Animal Waste Management
- Bioinformatics and Systems Biology
- Food Safety
- Genetics and Breeding
- Horticulture
- Microbial Biotechnology
- Molecular Biology and Genetic Engineering
- Plant Biotechnology
- Plant Pathology
- Plant Physiology
- Post-Harvest Technology
- Soil Science
- Weed Science

Achievements

- **Laboratory of Food Crops** received LRGS grant for Food Security Research worth RM10 million for 5 years.
- **Laboratory of Animal Production** received LRGS grant for Poultry Research worth RM11.7 million for 5 years.

Contact us:
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> FEEDBACK

Dr. Hamid Reza Naji
Iran

'UPM has excellent teaching systems and all the right facilities and expertise to mould its students toward a successful future. The academic atmosphere at UPM has helped me to enhance my command of the English language which has contributed extensively toward improving my written and communication skills. I have also learnt what teamwork is all about through my association with my course mates. I am now in my first year of Postdoctoral studies that was offered to me after I completed my PhD. And during all these times, I have gathered some really valuable experience which I will never forget. I am proud to be a part of this supportive and conducive environment and will continue to hold UPM close to my heart.'

INSTITUTE OF TROPICAL FORESTRY & FOREST PRODUCTS

www.introp.upm.edu.my



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 utilization 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.

Withing scientists and researchers from countries such as France, Iran, Indonesia, India, New Zealand, Austria, Thailand, Bangladesh, Indonesia and the United Kingdom 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.

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.

Areas of Expertise

- Tropical Forest Ecosystem Management
 - Bioresources Selection and Plantation
 - Biocomposite Technology and Product Design
 - Fibre Processing and Characterization
 - 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

Laboratories

- Laboratory of Biodiversity and Conservation
- Laboratory of Sustainable Bioresource Management
- Laboratory of Biocomposite Technology
- Laboratory of Biopolymer and Derivatives
- Laboratory of Techno Economics and Policy
- Advanced Laboratory of Fiber Characterization
- Advanced Laboratory of Biocomposite Development and Innovation.

Achievements

- **Impressive** achievements in research, awards and patents.
- **Received research** grants worth RM 14.3 million and RM 3.1 million for research innovation and commercialization activities
- **Holds the rights to** 1 international patent and 14 patents pending (national level)

Contact us:

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Universiti Putra Malaysia, 43400 UPM Serdang,
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www.introp.upm.edu.my

Putra Business School's (PUTRA) primary objective is to nurture human leaders.

PUTRA is the first business school in Malaysia to earn accreditation by AACSB – The Association to Advance Collegiate Schools of Business. AACSB Accreditation represents the highest achievement for an educational institution that awards business degrees. It is the hallmark of excellence, achieved by less than five percent of the world's business schools.

Established in 1997, the Putra Business School or PUTRA (formerly known as the Graduate School of Management) at Universiti Putra Malaysia (UPM) is one of the nation's top business schools and a graduate business school of international repute.

It is independently funded by Yayasan Putra Business School and licensed by the Ministry of Education as an autonomous private institution of higher learning (Institut Pengajian Tinggi Swasta, IPTS).

Located in Serdang, Selangor, PUTRA has become a destination of choice for many who seek to improve their business management skills and enrich their understanding of business philosophy through post-graduate management education.

PUTRA is the home to Human Governance (HG). The overarching principle of HG is that humans are not resources or assets in an organization, but instead are whole persons. This is a view that is gaining acceptance worldwide.

PUTRA is leading the way to integrate HG principles into existing business subjects, while researching ways to manage businesses, communities and the environment—working with businesses to make them more accountable to people.

PUTRA welcomes dynamic individuals who wish to contribute to our mission of returning the focus to human wellbeing – nurturing the next generation of human leaders and building a business school dedicated to contributing to the business world by spreading the message of HG.

Currently, PUTRA offers a range of post-graduate management programmes, namely:

- Master of Business Administration (MBA)
- Master of Management (MM)
- Master of Science (MSc)
- Doctor of Philosophy (PhD)



PUTRA BUSINESS SCHOOL

(AACSB-ACCREDITED)

putrabusinessschool.edu.my



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, upon registration, is required to enrol for and pass the English Program conducted by the University before full admission to any postgraduate studies 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 PUTRA has AACSB accreditation; the highest achievement for a business school internationally. Students can opt to do electives in any of these areas:

- Finance
- Marketing
- Human Resource Management
- International Business
- General Management
- Corporate Governance (in collaboration with MAICSA)*

**An MBA student who opts to do corporate governance will become a graduate member of MAICSA, subject to terms and conditions.*

Fees / Expenses (MBA)

Total Programme Fees (Full Time)

- RM 25,900 Malaysian Students
- RM 43,800 International Students

Total Programme Fees (Part Time)

- RM 26,350 Malaysian Students
- *All fees above are subject to change.*

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

15-MONTH Programme (Full Time)

Students have to register for 12 credit hours (4 courses) per trimester. There are 4 trimesters in the 15-month period.

24-Month Programme (Part Time)

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

Each trimester consists of 14 weeks of lectures with 1 to 2 weeks of inter-trimester breaks.

Admission Requirements (MBA)

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

- **An Honours Degree** with a CGPA of at least 3.00 or its equivalent. An applicant with a CGPA of below 3.00 will only be considered if he/she has a minimum GMAT (Graduate Management Admission Test) score of 550 or has had adequate working experience in an organisation; or
- **A professional qualification** that is recognised as being equivalent to the above; or
- **Other qualifications** approved by the UPM Senate.

Classes & Student Intakes

- **Full Time - Classes** are held on weekdays from 9.00 am – 5.00 pm. There are three (3) intakes for full time classes in each academic year: September, January and May.

- **Part Time - Classes** are held during the evenings on weekdays from 6.30 pm - 9.30 pm.

There are three (3) intakes for part time students in each academic year: September, January and May.

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 careers in the area of technical and business management. It is also designed for those who aspire to be successful managers in the areas of IT and knowledge management. The period of study is 5 trimesters (20 months) for both full time and part time students.

Fees / Expenses (MM (IT))

Total fees for the whole duration of study:

- RM 19,900 Malaysian Students
- RM 34,200 International Students

**All fees above are subject to change.*

The Master of Management (Information Technology) requires the successful completion of 42 credit hours including core and elective courses. Classes are held during the evenings on weekdays (6.30 pm - 9.30 pm). There is only one intake per year in 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 be eligible 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 2.75 or its equivalent and two years of related working experience; or
- **A professional qualification** that is recognised as being equivalent to the above; or
- **Other qualifications** approved by the UPM Senate.

Master of Science (MSc)

Students are exposed to theories and critical issues related to their areas of research and how their research issues may be related to other research disciplines. Candidates will gain the expertise of carrying out research in their specialised research disciplines. The MSc programme appeals to individuals with an aptitude for advanced research and professional accomplishment. It entails the formulation of a research objective, application and use of the appropriate theories and concepts for successful pursuit of a research project to its logical conclusion. Each student is required to defend, first, the proposal and finally the completed thesis.

Fees / Expenses (MSc)

Total fees for 2 years of study (4 semesters)

- RM19,900 Malaysian Students
- RM36,350 International Students

Total fees for 3 years of study (6 semesters)

- RM29,750 Malaysian Students
- RM51,250 International Students

**All fees above are subject to change.*

The period of study ranges from 4 semesters (2 years) to 6 semesters (3 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, the September and March Semesters.

The research areas under the MSc programme include accounting, finance, marketing, human resource management, management information system, strategic management, business law, entrepreneurship and others.

Admission Requirements (MSc)

To be eligible for the Master of Science (MSc) programme, applicants must have one of the following qualifications:

- **An Honours Degree** with a CGPA of at least 3.00 or its equivalent in a

- relevant field. An applicant with a CGPA below 3.00 or equivalent in a relevant field will only be considered if the applicant possesses relevant working / research experience; or
- **A professional qualification** that is recognised as being equivalent to the above; or
- **Other qualifications** approved by the UPM Senate.

Doctor of Philosophy (PhD)

The main objective of the Doctor of Philosophy programme is to prepare students for careers as academics or researchers in the public or private sector. The doctorate programme is designed to enhance students' competencies in carrying out research for knowledge enhancement and knowledge creation. 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 independently.

Fees / Expenses (PHD)

Total fees for 3 years of study (6 semesters)

- RM31,250 Malaysian Students
- RM48,850 International Students

Total fees for 5 years of study (10 semesters)

- RM49,850 Malaysian Students
- RM78,250 International Students

**All fees above are subject to change.*

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: September and March semesters.

The research areas under the PhD programme include accounting, finance, marketing, human resource management, management information system, strategic management, business law, entrepreneurship and others.

Admission Requirements (PhD)

To be eligible for admission into the Doctor of Philosophy (PhD) programme, applicants are required to possess one of the following qualifications:

- **A Masters Degree** with a CGPA of at least 3.30 or its equivalent in a relevant field. An applicant with a Masters Degree with a CGPA below 3.30 or equivalent in a relevant field will only be considered if the applicant possesses relevant working / research experience; or
- **A professional qualification** that is recognised as being equivalent to the above; or
- **Other qualifications** approved by the UPM Senate.

Contact us:

For more details on these programmes, admission and application requirements, go to: www.putrabusinessschool.edu.my/prospectus or you may contact directly at **Putra Business School**
Tel: (603) 89467440/7441
Fax: (603) 89434019/
89421584
enquiry@putrabs.edu.my



LIFE AFTER STUDY



THE UPM ALUMNI CENTRE

www.introp.upm.edu.my



With each graduation, hundreds of graduates have passed through UPM on their way to greater experiences in every facet of their young lives. They go on to become leaders of society, industry, economy and professionals with knowledge, skills and mindsets to drive their respective countries forward to the next level. Whilst the graduates go home

empowered, UPM too has gained a lot by continuously improving programmes and facilities, teaching and learning modules and making UPM a more popular place of study for both local and international students.

The UPM Alumni Centre provides and facilitates strategic partnerships between UPM, the UPM Alumni Association (PAUPM),

the public and other relevant parties. The Centre also provides a platform for alumni and various industries to participate in UPM activities that promotes, strengthens and inspires alumni to excel in their personal and professional endeavours.

• **Build a helping 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.
- **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.

UPM Alumni Day-21 May
UPM Alumni Day is celebrated with zest on the 21 May of each calendar year. The day has a special historical value to UPM for on this auspicious day UPM was declared open on 21 May 1931. UPM was then known as the School of Agriculture Malaya and since then Malaysia's first university has transformed itself into a world-class university with students from over 60 countries worldwide. To celebrate the grand day, a number of events are held such as: Majlis Tahlil, Serdang Heritage Forum and sport competitions like bowling and rugby. The grand ~~tradition~~ **tradition is of course the Homecoming and Alumni Day Dinner.**

Distinguished UPM Alumni Lecture Series
A Knowledge Transfer Partnership platform through a lecture series created for UPM alumni to share their knowledge and experiences with the campus community, **specifically with the faculty** they were previously associated with provides good impact. Branded as 'Distinguished UPM Alumni Lecture Series' or DALs in short, is a lecture series to showcase alumni engagement with UPM. Distinguished UPM **Alumni identified by the** faculty are invited to be speakers to share their career and life experiences since graduating from the university. This platform is an avenue for alumni to give back to the Alma mater, through the

faculty. It is held annually by each faculty. DALs' which is basically a forum to showcase alumni engagement with UPM, and a platform for them to give back to their Alma Mater. It is hoped that this programme will demonstrate the role of future UPM Alumni as ambassadors of UPM, the keepers of a tradition of excellence, supporters of the university, and at the same time inculcate a sense of pride and belonging to UPM.

The Alumni Mentorship Programme

This programme involves students, senior alumni and academic staff and serves to enhance a strong bond among students and the university, including a 'love' for their Alma Mater. This session is usually held during semesters in a spirit of interaction in keeping with the UPM motto: 'With Knowledge We Serve'. **Students gain confidence,** which enhances their career options.

Homecoming & Reunions

This exciting programme which is conducted every two years draws back alumni by the hundreds to **UPM to celebrate various** activities and games are the order of the day such as: golf, rugby, bowling and the popular Open Day events. Reunions are organised with The UPM Alumni Association and are held at the residential colleges.

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 UPM's 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 for Emergency Response. The International chapters includes the UPM Alumni Chapter Indonesia, based in Jakarta and Medan, which were launched in 2008.

Pak Rashid Foundation (Yayasan Pak Rashid -YPR)

The UPM Alumni Centre (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.

Contact us:
Alumni Centre
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