



# Universiti Putra Malaysia Prospectus 2011









## Universiti Putra Malaysia offers great advantages to students:

- High quality and experienced academic support (many international leaders in their fields)
- Forerunners of research, innovation and commercialisation
- Great student support with stimulating environment
- Impressive learning environment on beautiful grounds
- World class programmes, tailored to current market demands

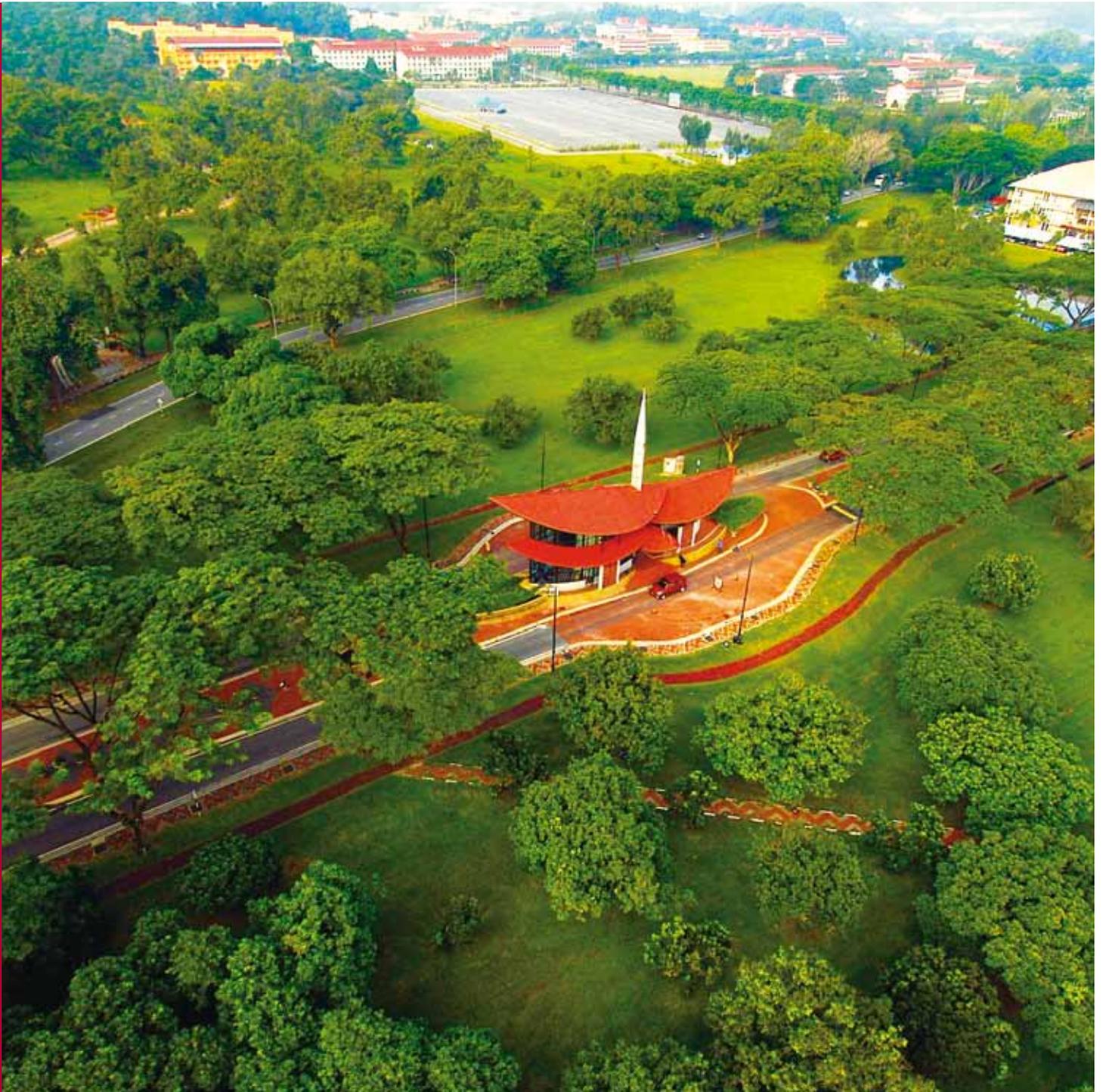
“Selamat datang!” We extend our warmest and heartfelt welcome to you.

Universiti Putra Malaysia (UPM) has much to offer students. Not only in quality education, but in the many facets that make student life exciting and fulfilling. As a choice for higher education, UPM is perfect in applying one’s talent and ambition.

We retain our sought-after title of Research University as we churn out a number of award-winning finds, benefitting industries, the society and our nation. UPM is the only institution of higher learning in Asia to be placed in the world’s top 10 universities in the GreenMetric World Ranking 2010. Our commitment continues in promoting sustainability through environmental conservation and green technology.

You are about to make one of the most important decisions of your life. We hope you will join us and get into the wonderful spirit of studying in our thriving university. This is the place you come for excellence in academic pursuits, life experiences, friendships and memories you will remember for life.

”



## A personal message from the Vice Chancellor....

There are many world class universities out there offering interesting fields of studies with exciting curriculum. We are one such university. Deciding to study in Universiti Putra Malaysia may very well prove to be the best decision you can make for yourself.

What makes UPM the advantageous institution of higher learning is the combination of great ingredients. We have a reputation for academic and research excellence in the fields of bioscience, engineering, information technology, veterinary, forestry, educational studies, tropical agriculture and more. Dedicated lecturers and students work closely together in continuous research and development, earning international achievements and recognition. We enjoy high quality and experienced academic support, affordable cost of living, a lifestyle that facilitates education and personal interests as well as by virtue of our superb location that is the gateway to Malaysia and Asia.

UPM takes pride in its many achievements that greatly benefit students. We are delighted with our diverse students, hailing from 60 countries and make part of UPM's over 25,000 student population. They are on board in making themselves all-rounded, knowledgeable and urbane individuals. We put forward academic integrity, a practice that commits us to the values of honesty, justness, respect and responsibility.



Based on what our alumni graduates tell us, UPM has opened doors of opportunities and possibilities. As such, we know we can assure you of a few things – studying in UPM will provide you with world class education. It will also be one of the most exciting, satisfying and rewarding experiences that will benefit your good self, your community and your country.

I wish you every success and a fulfilling time in UPM.

**YBhg. Dato' Ir. Dr. Radin Umar bin Radin Sohadi**  
*Vice Chancellor*



# UPM TOP TEN FACTS

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



## A Royally Apt Name

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

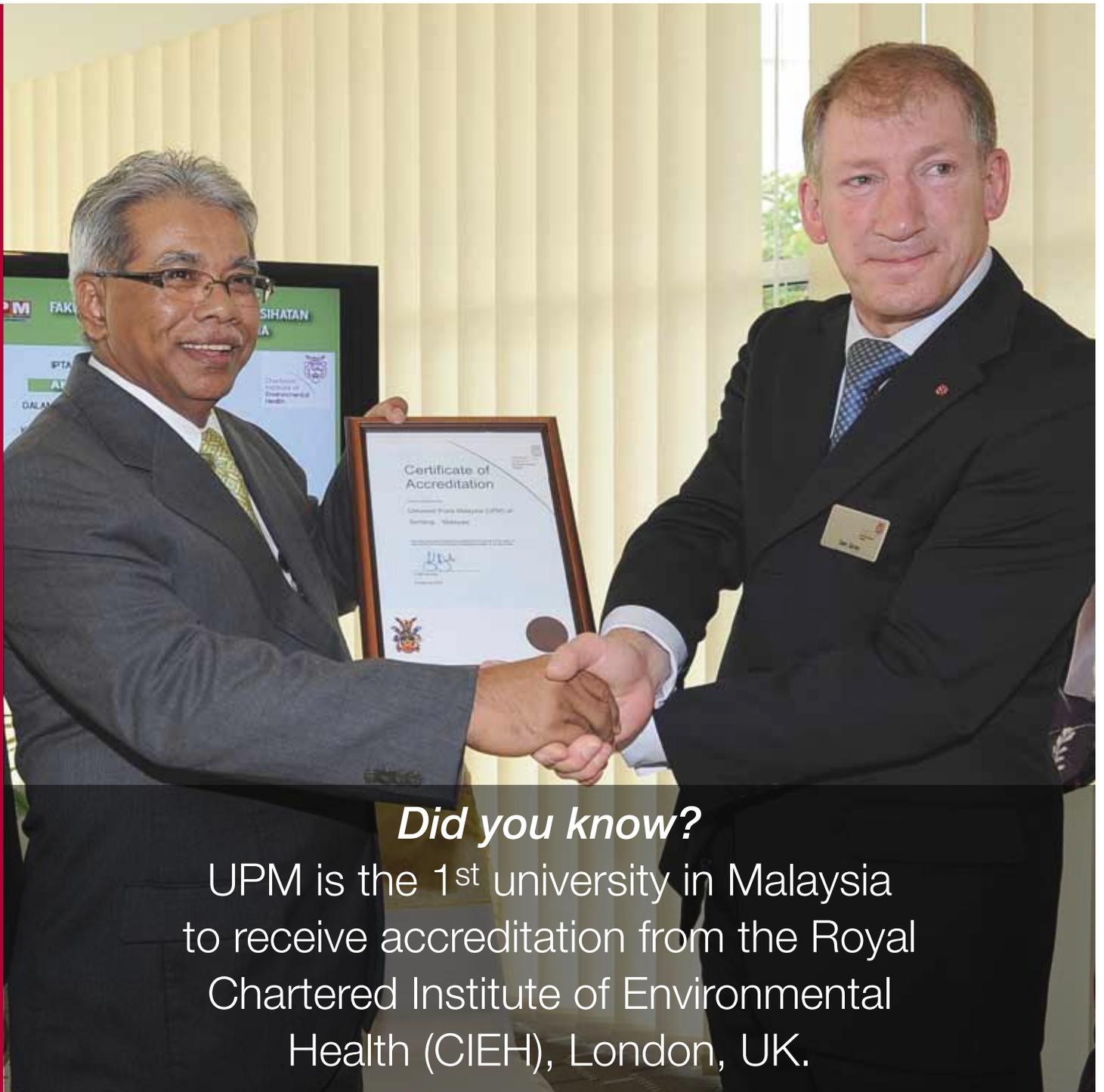
“Putra” was befitting in many ways. The name signifies youthfulness and eagerness in exploration. As the nation boldly moved forward, Universiti Putra Malaysia was along every step of the way contributing to the advancement of the country.

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

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

# Content

|  |     |
|--|-----|
| The Learning Edge & Future Prospects                   | 3   |
| Embracing A Lifestyle You'd Love                       | 5   |
| Balancing Study & Play                                 | 7   |
| Sports, Clubs & Societies                              | 9   |
| Amenities & Facilities                                 | 13  |
| Accommodation  | 21  |
| Success Story  | 23  |
| Embracing Malaysian Culture                            | 24  |
| Study + Work = Lifestyle                               | 25  |
| International Students                                 | 28  |
| Insights On UPM  | 33  |
| About Us   | 37  |
| Our Vision, Mission & Goals                            | 38  |
| Research & Development                                 | 40  |
| Enter Into A Green World                               | 45  |
| Awards & Recognition                                   | 46  |
| Undergraduate Programmes                               | 47  |
| General Academic Information                           | 48  |
| Faculty of Agriculture                                 | 53  |
| Faculty of Forestry                                    | 55  |
| Faculty of Veterinary Medicine                         | 57  |
| Faculty of Economics and Management                    | 59  |
| Faculty of Engineering                                 | 61  |
| Faculty of Educational Studies                         | 63  |
| Faculty of Science                                     | 65  |
| Faculty of Food Science and Technology                 | 67  |
| Faculty of Human Ecology                               | 69  |
| Faculty of Modern Languages and Communication          | 71  |
| Faculty of Design and Architecture                     | 73  |
| Faculty of Medicine and Health Sciences                | 74  |
| Faculty of Computer Science and Information Technology | 77  |
| Faculty of Biotechnology and Biomolecular Sciences     | 79  |
| Faculty of Agriculture and Food Sciences (UPMKB)       | 81  |
| Faculty of Environmental Studies                       | 83  |
| Institutes   | 85  |
| School of Graduate Studies                             | 101 |



***Did you know?***

UPM is the 1<sup>st</sup> university in Malaysia to receive accreditation from the Royal Chartered Institute of Environmental Health (CIEH), London, UK.

# The Learning Edge & Future Prospects!

## **Positively Impressive Learning Environment**

Students can look forward to a beautiful and conducive learning environment, complete with fantastic students' facilities, social, recreational and sporting activities. UPM encourages cultural learning diversity and provides an unparalleled cultural learning experience unmatched by other universities in Malaysia. Students pursue a diverse range of interests through on-campus activities, be it student politics, arts, sports and socializing. What's your interest?

## **Teaching With Excellence**

UPM advances innovative teaching practices to its students, meeting their academic and professional needs. A congregation of over 1,800 academic staff are dedicated to teaching and research. Many are recognised internationally as leaders in their fields, encouraging a conducive environment of learning. The academic staffs come well qualified with advanced degrees from some of the world's top universities. The teaching strategies and processes are supported with state-of-the-art classrooms and laboratories, providing greater insight into the content of each discipline.

## **Services and Facilities At Your Fingertips**

Vital to modern day learning and living, UPM students enjoy a sophisticated IT infrastructure and a fibre-optic communications system that facilitate the process of learning and staying on campus. Students also have the advantage of residing and pursuing their degree in a modern and multi-cultural university. UPM's extensive network of support services, recreational and social activities and facilities create a nurturing academic ambiance and fun lifestyle.

## **World-Class Programs**

The world evolves and so do the needs of the market place. UPM inspires to-date academic disciplines that reflect current trends and demands of over 250 fields of study. Currently, UPM offers 53 Bachelor, 5 Diploma and 400 postgraduate programs

at the Master and PhD levels. UPM students come from all over the world and they are equipped with skills and knowledge required to meet emerging workplace and career challenges across a wide range of disciplines.

## **The Job I Want...My Employability**

UPM graduates enjoy a high employability rate across the globe. Taking advantage of the university's quality education and niche successes in the disciplines it offers, most graduates are employed within months of leaving the university. The impressive rate of graduate employability is a testimony of UPM's understanding of market place trends as well as acknowledgement of employers worldwide to the university.

To new graduates, Universiti Putra Malaysia Alumni offers powerful network and valuable help from former students. Tens of thousands of alumni members live around the globe and are always supportive of a fellow graduate from UPM in achieving career success.

## **Valuable Alumni Network**

All graduates from the university are UPM alumni for life. The Alumni Centre functions to assist in maintaining graduates' close relationship with their Alma mater as well as with other alumni. The access to the alumni network is invaluable to new graduates.

## **Further Learning Options**

Facilitating working individuals who are driven to improve their academic qualification and knowledge base, UPM offers Distance Educational Programs at Bachelor and Master levels. These programs conducted by Centre for External Education are popularly received. UPM's Faculty of Economics and Management and Faculty of Modern Languages and Communication also provide Executive Programs as an alternative for those who seek to further their education on a part-time basis.



# Embracing A Lifestyle You'd Love

Life is one big adventure! Pursuing an education with UPM offers a lifestyle that is both enriching and rewarding. Study, explore, travel, interact, play and have the time of your life while you're here. We go by the saying "All study and no play make very dull minds." So, come on and live life!!



- balancing study & play
- sports, clubs & societies
- amenities & facilities
- accommodation
- success story
- embracing malaysian culture
- study + work = lifestyle
- international students

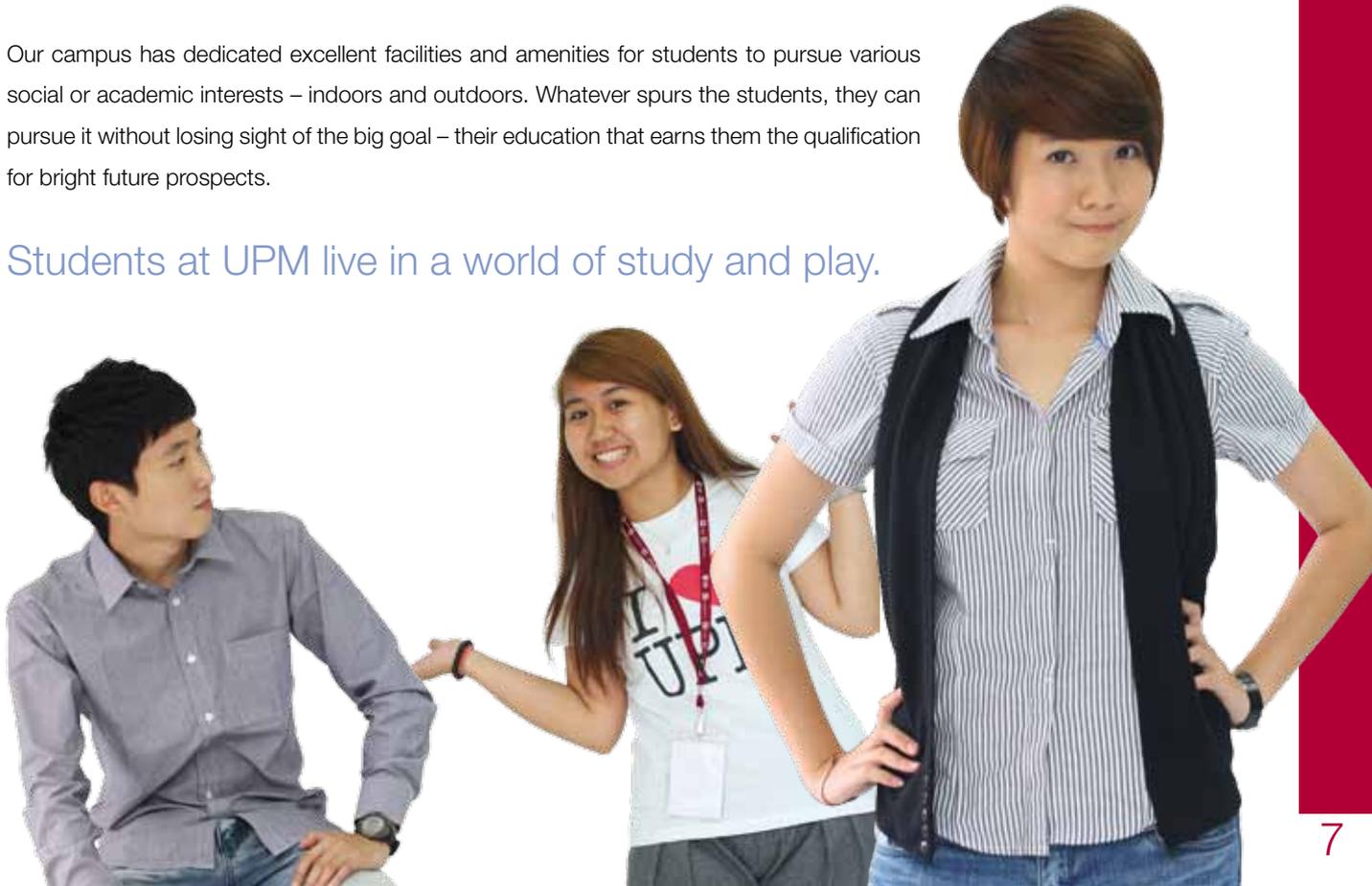


# Study smart, play hard...

Gone are the days where a student is expected to study and work on assignments at every waking moment. It's a well-known fact that a well-rounded and balanced graduate is preferred by prospective employers for the fact that people are social creatures and seldom work in isolation.

Our campus has dedicated excellent facilities and amenities for students to pursue various social or academic interests – indoors and outdoors. Whatever spurs the students, they can pursue it without losing sight of the big goal – their education that earns them the qualification for bright future prospects.

Students at UPM live in a world of study and play.





*Did you know?*

UPM enjoys a diversity of international students from over 60 countries in pursuit of academic excellence

# Having fun on campus!

After studying is done, step out and jump into an activity that interests you. We advocate that extra curricular activities are just as important as academic pursuits.

Strive for your passion! Or develop a new one! Interact and share with your peers who share a common ground with you. Just take a look at some of the sports clubs, societies and associations you can participate in.



## Sports Clubs

<http://www.i-sukan.upm.edu.my>

Students can head to the sports complex with a main stadium for track and field events. There is also a multipurpose hall for indoor games and facilities for other sports.

An Olympic-size swimming pool, tennis courts and a hockey field add to the list of quality and world class sports facilities available at the university. The Sports Centre of

UPM was chosen to organize sports programs such as the Inter University of Malaysia Staffs Sports Championship and the National Archery Championship in the past.

Football • Hockey • Rugby • Hand Ball • Softball • Badminton • Sepak Takraw • Net Ball • Tennis • Volley Ball • Swimming • Archery • Basketball • Ping-pong • Squash • Water Polo

## Martial Arts

A unique extra-curricular sporting activity at UPM is the martial arts. There are several types of martial arts students can choose from and be part of the associations. Interestingly, most of these associations teach forms of martial arts originated from traditional Malay self-defence. These forms of martial arts are unique and not commonly found elsewhere.

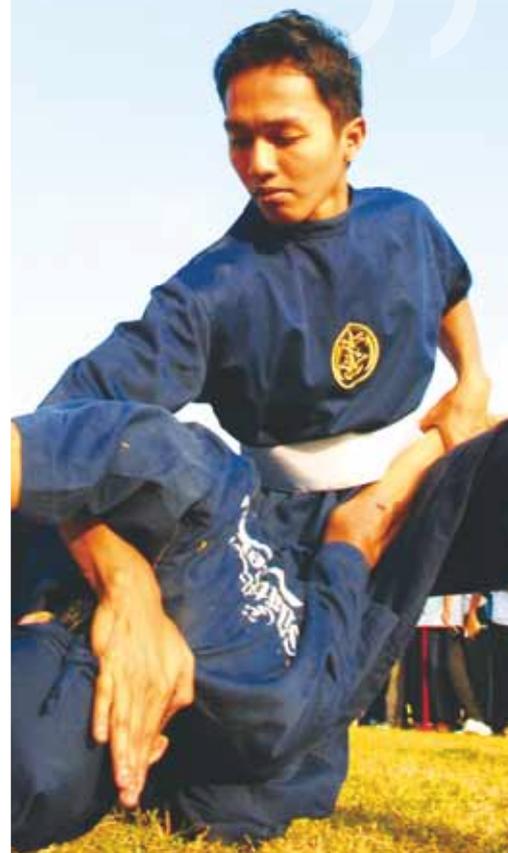
Association of Seni Silat Cekak Malaysia • Association of Seni Silat Cekak Hanafi UPM • Association of Seni Silat Lincak UPM • Association of Seni Silat Gayung • Association of Seni Silat Sendeng • Association of Shito-Ryu Karate-Do • Association of Tae Kwon Do • Association of Aikido

## Association / Club in Union House

Various clubs and societies in UPM bring students of common interests together. They range from religion, uniformed society, outing activities, hobbies, or others.

Pandu Puteri Club • Association of QKP Student • Association of Golden Key National Honour Malaysia UPM • Akhbar Mahasiswa Club • Gabungan Mahasiswa Sarawak • Perwakilan Mahasiswa Sabah • Nahwar Nur Club • Association of Hindu • Association of Buddhist • Association of Seni Silat Lincak • Association of Shito Ryu Karate Do • Association of Seni Silat Cekak • Association of Tae Kwan Do • Association of Pentas • Association of Christian • Association of Catholic

“Interestingly, most of these associations teach forms of martial arts originated from traditional Malay self-defence. These forms of martial arts are unique and not commonly found elsewhere.”



## Associations of Art, Culture and Rakan Muda

Malaysia is rich in colourful cultures and UPM students celebrate these cultures by actively participating in them. Driven by passion and interest, students are exposed to traditional dances, performing arts, music, literature and other forms of art and culture. Most of these clubs have public performances at least once a year.

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





# Student Life Made Easy and Convenient



A student's life in UPM is all-encompassing. Reaching out for your dreams with books, classrooms and lecturers is one aspect. Making your life rich and fulfilling with a variety of experiences is another.

Being a student on campus allows you to savour a multi-faceted lifestyle, facilitated with great amenities and facilities. These make fulfilling students' academic obligation in UPM easy. Enjoying life between studies here is even easier.

## Sultan Abdul Samad Library

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

The Sultan Abdul Samad Library is a veritable complex of knowledge. Spacious, large and fully air-conditioned, the library is easily accessible by students and lecturers alike. The two-block building can accommodate approximately 2,000 students at any one time. This does not include individual meeting rooms, discussion rooms and auditorium as well as other relevant amenities.

A vast collection of both printed and electronic format resources in a wide field of studies are available to support students' learning and research activities. To date, the university has more than half a million books, bound journals, maps, sound recordings, microforms, video tapes and slides. Students also have at hand the latest research materials and information in the form of 3,000 print journals and 40 online databases that offer access to an astounding 36,000 full text online journals. Sultan Abdul Samad building is WiFi enabled.

## Transportation

UPM has one of the best transportation systems among the local universities because of its strategic location between Putrajaya and Kuala Lumpur city centre, and its access through north-south highway.

### **Bus service (Inside and outside Campus)**

Moving about on and off campus is made easy as UPM provides scheduled bus service for students. Students are charged only RM75 per semester to enjoy this service and get unlimited rides for the duration. Student Affairs Division has allocated more than twenty University buses at the students' disposal to move around for academic and curricular activities outside campus.

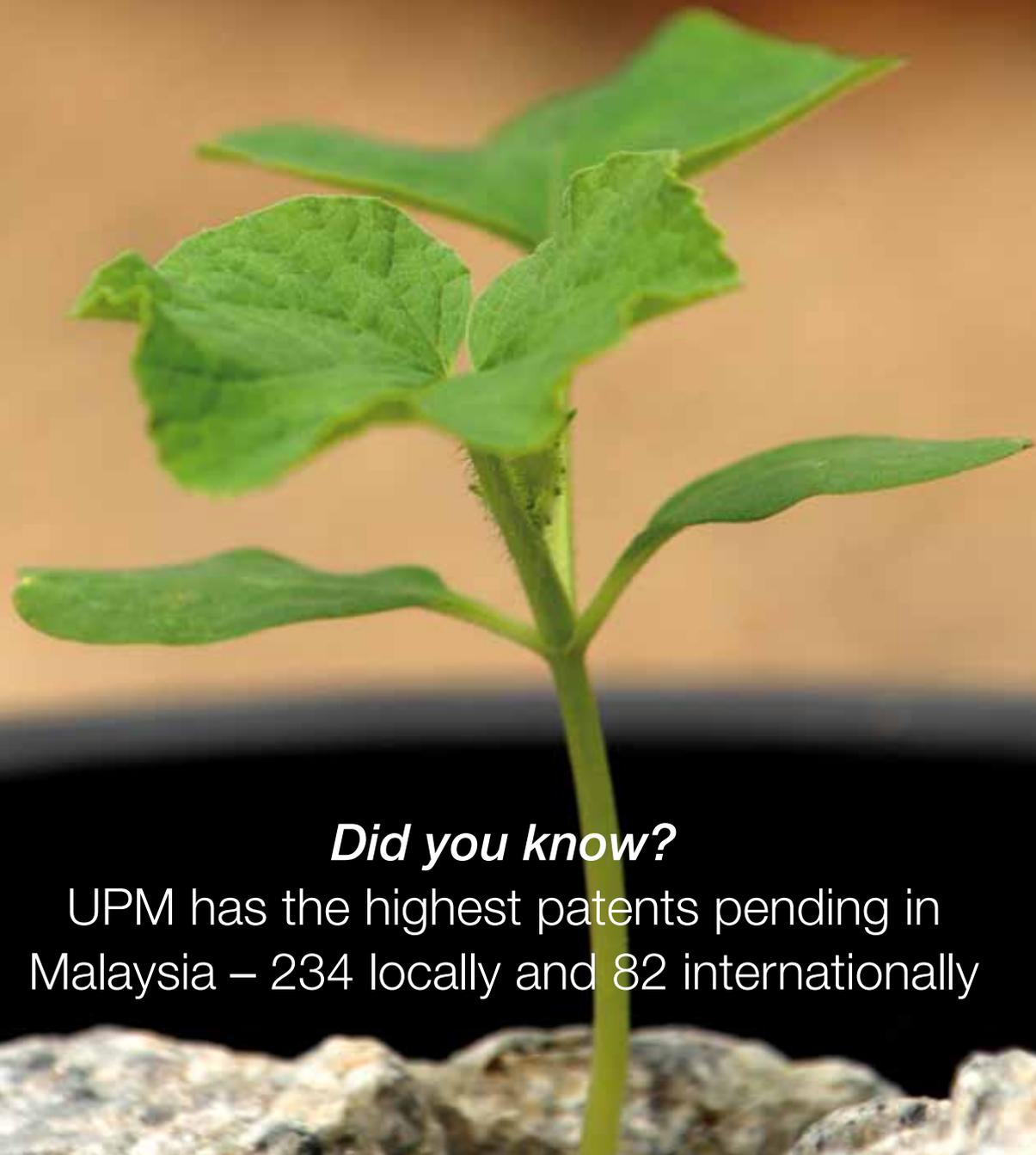
The on-campus bus stops are equipped with fans, lights and notice boards for students' comfort while waiting for the bus.

### **Commuter and Taxi**

UPM students can get on the commuter and taxi to go back and forth from campus to various destinations with reasonable fares.

There is a Metro bus service linking UPM to Kuala Lumpur and areas around Serdang. Another convenient public transport alternative is the train commuter service at the Serdang station. The routes covered are Seremban, Kuala Lumpur and areas within that particular track.





***Did you know?***

UPM has the highest patents pending in Malaysia – 234 locally and 82 internationally

We take sports and curricular activities just as important as academia. Which is why we have our own stadium alongside the many other sports facilities and arenas to cater to the interests of our students.



## Food and Beverage

Malaysia is truly a food haven. The variety of food choices available is astounding. In UPM, there are cafeterias, restaurants and food stalls on campus and nearby areas.

There are more than 10 cafeterias operating from 7.00 am until 12.30 midnight, offering well-known fast food brands to several local cuisine restaurants.

## E-bika Website

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

Electronic service for Guidance and Counselling presents an opportunity for students to express their problems without having to face the counsellors. It is introduced to cater to students' modern concept of online communication using Internet chatting. It is an interactive approach and uses real-time communication.

## Student Portal Website

UPM's Information Technology department developed Putra Student Portal as the main gateway for UPM students to access their personal information easily and quickly with a single login. Students are equipped with ICT service the moment they walk into campus, keeping them connected and informed.

Each student is given a username and password during their registration.

## Cooperative Book Store

Students can head to the cooperative shop for reference books and stationery as well as groceries. There is a campus bookshop available to get reference books and magazines. With reasonable prices, students can get their collection of books related to studies from the bookshop.

## Student Health Centre

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

When students feel unwell, there is peace of mind knowing the Health Centre is situated on campus. The UPM Student Health Centre is equipped with modern medical facilities and pharmaceutical supplies with extended services including dental, x-ray, physiotherapy and dispensary.

## Wireless Campus

<http://www.uspot.my>

A university of today is not complete if it is not readily connected!

Most parts of the campus are equipped with ready wireless broadband connectivity. Students can access the Internet via phone, laptop and other advanced devices anytime, anywhere.

## Arts and Culture Centre

**The Sultan Salahuddin Abdul Aziz Shah Cultural & Arts Centre**

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

The centre to showcase talents, skills and culture!

Sultan Salahuddin Abdul Aziz Shah Cultural & Arts Centre fosters harmonious and peaceful integration among students by providing a platform to carry out cultural activities and performances.

Activities are held or staged at the main hall, accommodating an audience of 2,800 and an Experimental Theatre that can place 600 people at any one time.

## ICT Library

UPM maintains first-rate ICT facilities and infrastructure that support efficient and effective teaching, research, learning and administration activities. The campus is well connected via a fibre-optic communication system and ICT infrastructure, creating a sophisticated ICT environment for the campus community.

The UPM networking facilities utilize state-of-the-art technology which can be accessed from the vicinity of the campus. A lifetime e-mail facility is provided for the students as well as a 20MB storage capacity per student for his/her coursework and homepage.

Each student is also equipped with a smart card that can be used as a matric card, library card, e-purse, ATM as well as for storing student health record. Computer lab facilities are also provided for coursework and internet surfing. Students can access course information and modules via the e-learning system. UPM also provides outdoor wireless Internet access facilities.

## Sports Complex

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

UPM sports facilities are amongst the best of those available in any university. There is an Olympic-sized swimming pool, a playing field for activities such as soccer and rugby, and indoor volley ball, netball, basketball and badminton courts.

The sports complex acts as a centre that renders free professional advice and assists in supplying services and sports equipment to students involved in inter-college sports activities and other prestigious sports meetings.

## University Agricultural Park

The Park, established on 1st December 2001, facilitates the teaching and research works in agriculture related fields. It also provides services for students, staffs and the community.

The University Agricultural Park provides vital practical and training ground for students.

University Agriculture Park's vision is to become the best supporting entity in teaching, research and services in agriculture for students, UPM staff and the society.





## Campus Newsletter and Bulletin

UPM publishes its very own weekly newspaper production called the "Tribun Putra". It is available both in printed format and online version, and circulated around the campus. Students get to know all the happenings in and about UPM, ranging from latest news, academic news, happening activities, weekly activities schedule, sports, and everything else that is relevant to UPM.

A bulletin newsletter "Buletin Uniputra" is also published on a quarterly basis and sent to students' emails. It features articles and updates concerning the campus.

The publications are a great way for students to keep tab of what's happening on campus and staying connected.

## Accommodation

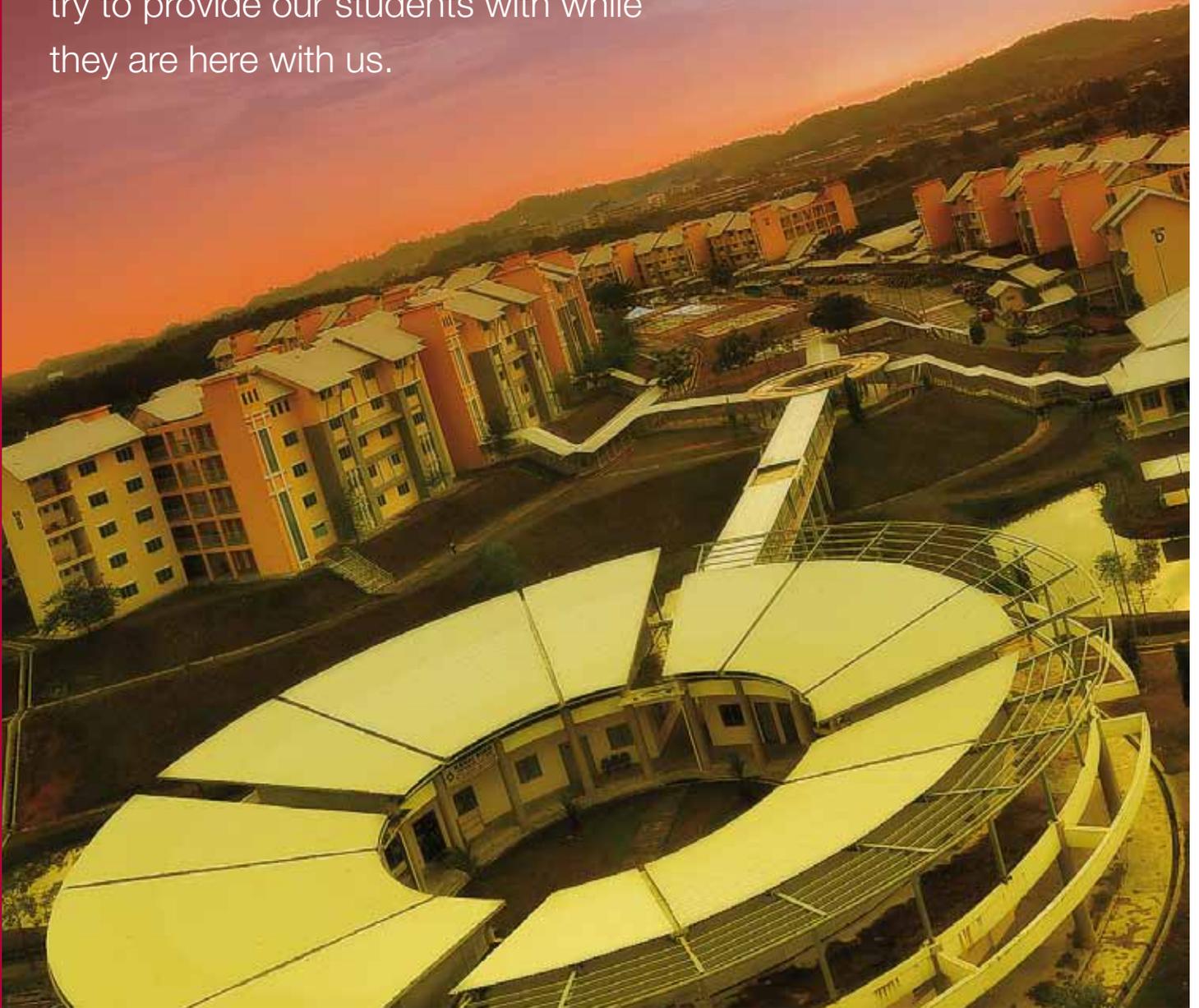
Universiti Putra Malaysia offers residential colleges on campus that can accommodate up to 70% of its total students. There is also a university housing complex that is limited to 160 units of modern apartments to accommodate married postgraduates.

For the more adventurous, students can opt for off-campus private houses. These are the nearby residential areas around campus. Rental rates for all types of accommodation are reasonably priced and convenient.

## Security

One of our utmost priorities is to ensure the safety of our students. Day or night, the campus is always well guarded by a force of trained professional security guards 24/7. These guards patrol each and every part of the campus grounds frequently to ensure security and safety.

We understand the difference between a house and a home. It's the latter that we try to provide our students with while they are here with us.



# Living on my own...

Living on campus is definitely an experience. For most students, it would be the first time they are away from home. It's a fun exposure – living and interacting with and among your peers, making decisions about things, balancing studies and life...not realising that the experience would prove to be valuable later.

We at UPM try to offer the best comfort in accommodations. Our living quarters don't typically look like a dorm, a bunk camp or a hostel. And that's because we think it's best students feel secure, warm and get a sense of belonging while living on their own.

It's never going to be the same as living at home, but we can assure you, it will be exciting..



## Residential Colleges

Our 17 residential colleges can accommodate up to 70% of UPM's student population. Housing options vary. There are single rooms and also double rooms that houses up to four students at any one time. All residential colleges are fully furnished with pantry, study room, computer room, prayer room, reading room, cafeteria, sundry shop and public telephones.

## University Housing Complex

Our on campus housing complex comprises attractive and modern apartments that are limited to 160 units. These apartments are intended for our married postgraduate international students who are in the country with their spouses and children, if any. Each unit comes with 2 bedrooms with attractive rental rates starting from as low as RM 550 per month.

## Off-Campus Private Houses

Some students just prefer to stay off-campus and that is easy to do with many nearby private housing areas that offer rentals such as in Serdang, Seri Kembangan, Balakong and Bangi. Rental rates are mostly reasonable, depending on location and size of property. More importantly, commuting to campus is also very easy as public transportation is cheap and convenient.



Teng Wern Jyet

# My Success Story : Teng Wern Jyet

Chancellor Gold Medallist -  
34th Convocation

Greetings to everyone. My name is Teng Wern Jyet and I pursued my Bachelor of Science, majoring in Instrumentation Science in 2007.

There are many things I consider achievements while I was in UPM. In my residential college, I was honoured to be entrusted with the role of Exco of Spiritual and Unity Secretariat, Student High Council of Kolej Sultan Alaeddin Suleiman Shah (KOSASS). I was also the Vice President of 24 Seasons Drum Society of KOSASS as well as the Secretary of First ASEAN Student Convention of Leadership and Integrity 2010 (ASLI 2010). In 2008, UPM gave me the opportunity to go to Korea as a representative of Malaysia in Youth Cap for Asia's Future 2008 by National Council of Youth Organization in Korea (NCYOK).



UPM taught me many ways to achieve success. For me, the key to success is the attitude you take on when something is handed to you. One cannot achieve success if you start life with a full cup. Hence, as one of the leading universities of the country, UPM opened my eyes to managing my life as a student and an individual with Student Centered Learning.

The university played an important role in shaping me not only academically, but also as an individual with good soft skills, such as social interaction, critical thinking and problem solving through a series of curricular activities. From there, I learned to take one great step forward in life.

On the road to achieving success, you must learn to accept failure as part of the journey. This beloved university has a great team of academic minds who guided me all the way through my studies. I learned it is not wrong to fail, but more importantly, we learn from that experience and improve ourselves. Going the extra mile also makes all the difference in making you unique.

UPM is an excellent platform for academics. It is also a great platform that motivates students to contribute to the nation. Many relevant and important researches are carried out here. In my discipline, I was encouraged to think out of the box in order to become a creator of quality researches and serve the rural society. In turn, it has helped me to be a contributor to the growth of my country.

I lay my trust that UPM will continue its way on being one of the foremost universities in the international arena. Great efforts in the continuation of professional development create innovation wonders. And that is what UPM is all about.

# Pursuing A Passion Away From Home

MORITZ-IVO WILL, who hails all the way from Germany, came to Universiti Putra Malaysia (UPM) to fulfil his deep interest in agriculture. In December 2009, he set foot at the university, keeping an open mind to all that may be ahead of him.

MORITZ's background is in agriculture. He cultivated the interest in tropical agriculture since it has a wide range of opportunities. "UPM was announced as the top 2 universities for tropical agriculture in South East Asia so it was a natural decision for me to head here," said the practical guy.

"Since I started studying for my Master programme at UPM, I became interested in microbiology. So I intend to specialise in plant nutrition and soil fertility. I will go more in depth into the study of bacteria."

Should MORITZ get a scholarship, he would like to continue with a PhD programme. The affable student received his degree in Germany and is currently in the process of publishing his first article related to his field of study. "One of my personal accomplishments that has impacted me deeply is successfully developing an aid project in *Colombia*."

Being in UPM has led MORITZ to be on a mission to learn Bahasa Malaysia, the country's national language. He also mixes with the locals to understand their culture better. "It is interesting to be here and also have the opportunity to meet students from all over the world. When I work at the laboratory, I see how different cultures are able to study and work together successfully."

When asked to describe his Malaysian lifestyle, he listed a great many activities that keep him busy. "I study, work in the lab, spend time on campus with fellow students, attend seminars and workshops and swim."

MORITZ absolutely loves the weekly *pasar malam* (night market) that takes place close to campus. "I get good, cheap and healthy food here as I prefer to cook myself."



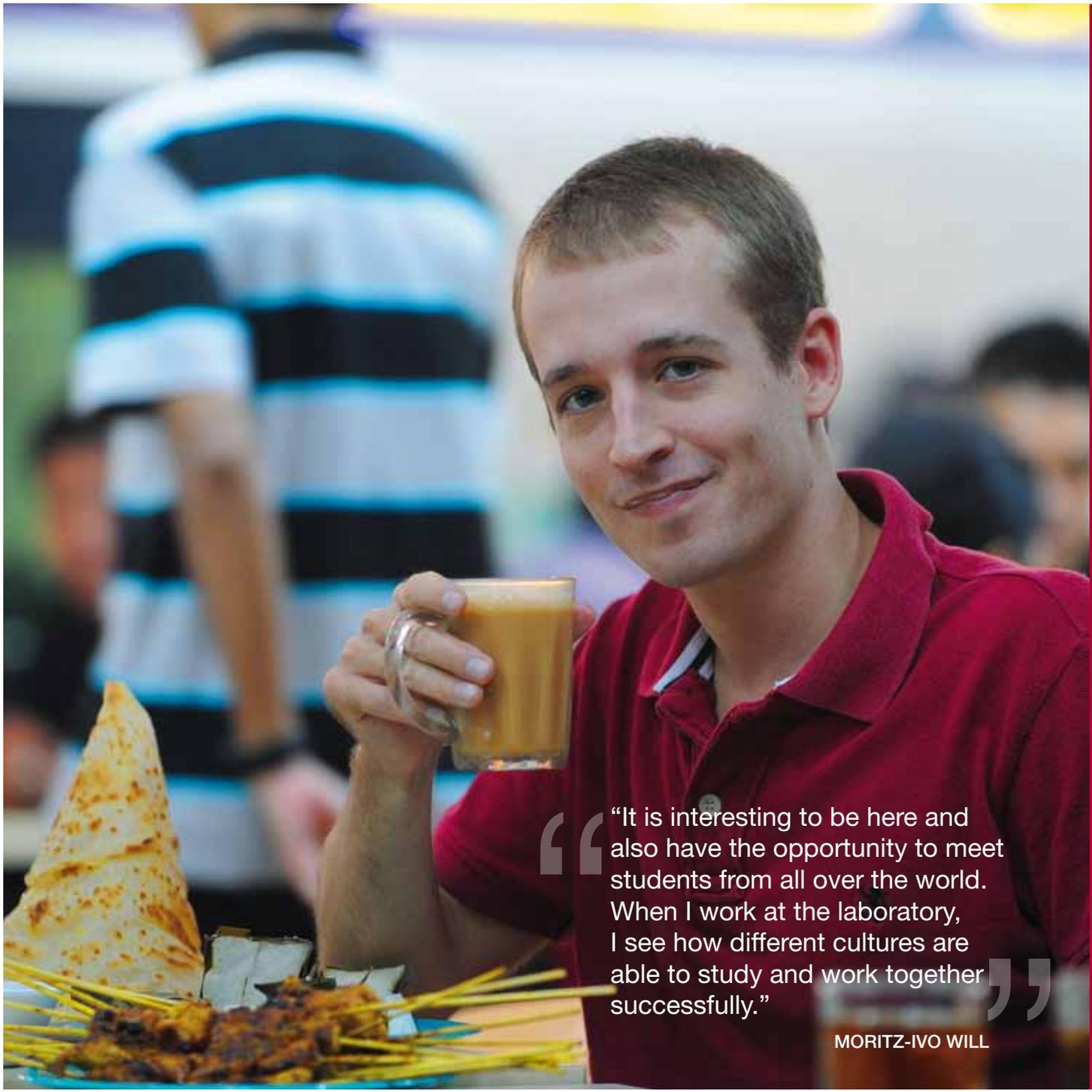
MORITZ has made friends easily at the university. He finds Malaysians to be different from his German friends. He describes the Asian culture as more reserved but very helpful, friendly and polite.

Studying in UPM has developed MORITZ's ideas and perceptions about many things. The experiences in terms of people, cultures, religions and habits have prepared him for future interactions with different people, either at work or on a social basis.

The agriculture faculty student has also enjoyed holidays around Malaysia. One of the more memorable ones is when he visited Langkawi for two weeks. "A friend showed me many parts of this remote, natural and very beautiful island. I spent a lot of time just relaxing at the beach, eating very good food and climb the Gunung TelagaTujuh (1736m a.s.l.)," recalled MORITZ with delight.

Back at the university, the student is active in the Thuringian Cambodian Society as well as a member of the Professionals for Sustainable Development.

"I would recommend any foreign student to be in UPM. The campus is a good platform for everybody to learn about other cultures and at the same time, still realise that students here have a common goal – to get quality education."



“It is interesting to be here and also have the opportunity to meet students from all over the world. When I work at the laboratory, I see how different cultures are able to study and work together successfully.”

MORITZ-IVO WILL

# Study + Work = Lifestyle

Noor Amirah Asraf  
*the active singing student*

Studying while balancing a career is something I truly enjoy. Hi, I am Noor Amirah and I am a UPM undergraduate in English. I am also in a band called 'Tilu' and we have our own album by the same name. One of the best things I do for myself is harmonising my work and study well, achieving a lifestyle that I thoroughly enjoy now. My friends on campus are fun, easy going, friendly and more importantly supportive when it comes to my studies.

My singing career is important to me. Some of my achievements are winning the Selangor Young Talent Award, being nominated for JunkSounds Award and being on TV3's Muzik-Muzik. They are some of the best things that have happened to me.

My education is important for me too and I am looking forward to graduating. My lecturers have provided guidance and support; and they are also very understanding of my off-campus activities. In no way it means I take them for granted and I make sure all assignments are done on time.

If there is anything I would like to share with friends out there, it is "Don't just think. Act!" It brings you things you would never have imagine.

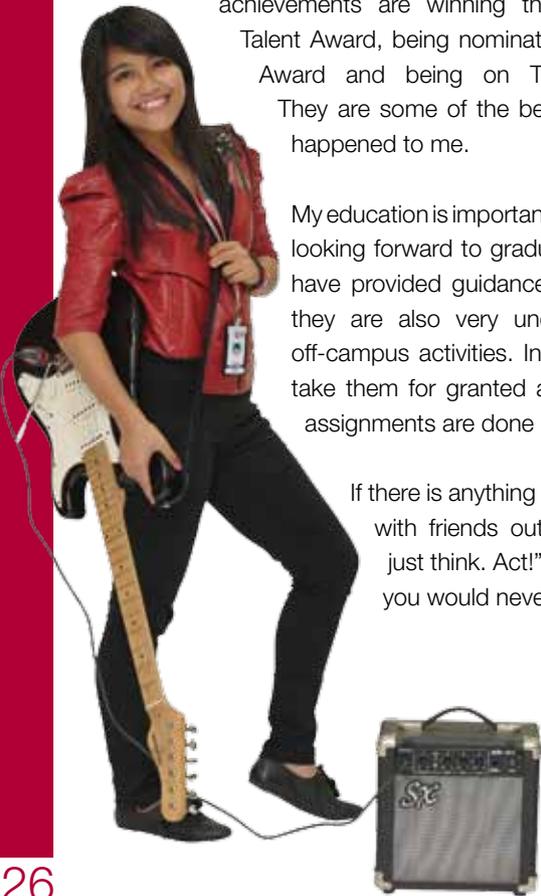
Syafika binti Mohd Ghazi  
*exploring the broadcasting world*

Hello! I am Syafika binti Mohd Ghazi, a second year student at the Faculty of Modern Language and Communication, UPM. Being a broadcasting major, I am always looking for opportunities within and outside campus. I'm happy to share that I have indulged in my studies both out of deep interest and for career opportunities.

Currently, I am a DJ student for PutraFM, our campus radio station. Being an editor for a short video "Titis-titis Kealpaan" also makes things really fun for me. Some of the achievements that I am proud of are winning a MAVIC Award for Best Editing 2010, MAVIC Award for Sound/Sound Effects 2010 and the grand award for Best Short Video 2010.

Outside of campus, I am a facilitator for the PANASONIC's Kid Witness News 2010. So yes, I do have a career in addition to my studies and I'm loving both. I feel like I'm getting the best of two worlds – being a student while enjoying a career, and I happily manage them both.

Discipline is very important when you are a student with a career. For me, I do both by being punctual, take my studies seriously and strive hard for my interest in broadcasting.



# Clowning Around With Robotics



## Mohd Hasimi bin Mohd Sidek

A guy who enjoys futsal and playing video games, Mohd Hasimi loves hanging out with his friends. One of his proudest moments was winning the Best Project 2010 in his discipline.

## Mohamad Safuan bin Mohammad Somari

President of the Robotic Club in 2007/2008 and 2008/2009, Mohamad Safuan loves rugby, watching movies and hanging out with friends.

His personal philosophy: "For things to change, I must change first"

## Mohd Afiq bin Abdul Ghafar

Mohd Afiq is on the Graduate High Council for the 10th Residential College. He was awarded the Best Program Director for 10th College as part of his achievements.

The principle that this studious guy lives by: "Yesterday is the past, tomorrow is our future."

The three students pursuing their Bachelor of Electric & Electronics Engineering have one thing in common, and that is their interest in robotics. The platform? ROBOCON, an annual robot contest that started in 2002 meant for university, college and polytechnic students in the Asia Pacific Region; and MURoC or Malaysian University Robot Competition, where competitors' knowledge and skills are tested on interpretation, design of solution and fabrication of the mechanism that challenges all participants.

While balancing their studies, the 3 young men also pursue their interests in Robotics by actively participating in competitions. The results have been great. Mohamad Safuan has won great awards, such as Best Design Award in ROBOCON 2009 and 1st place in ROBOGAMEZ UNITEN.

What better way to gain experience and confidence as a student and soon-to-hit-the-workforce adult.

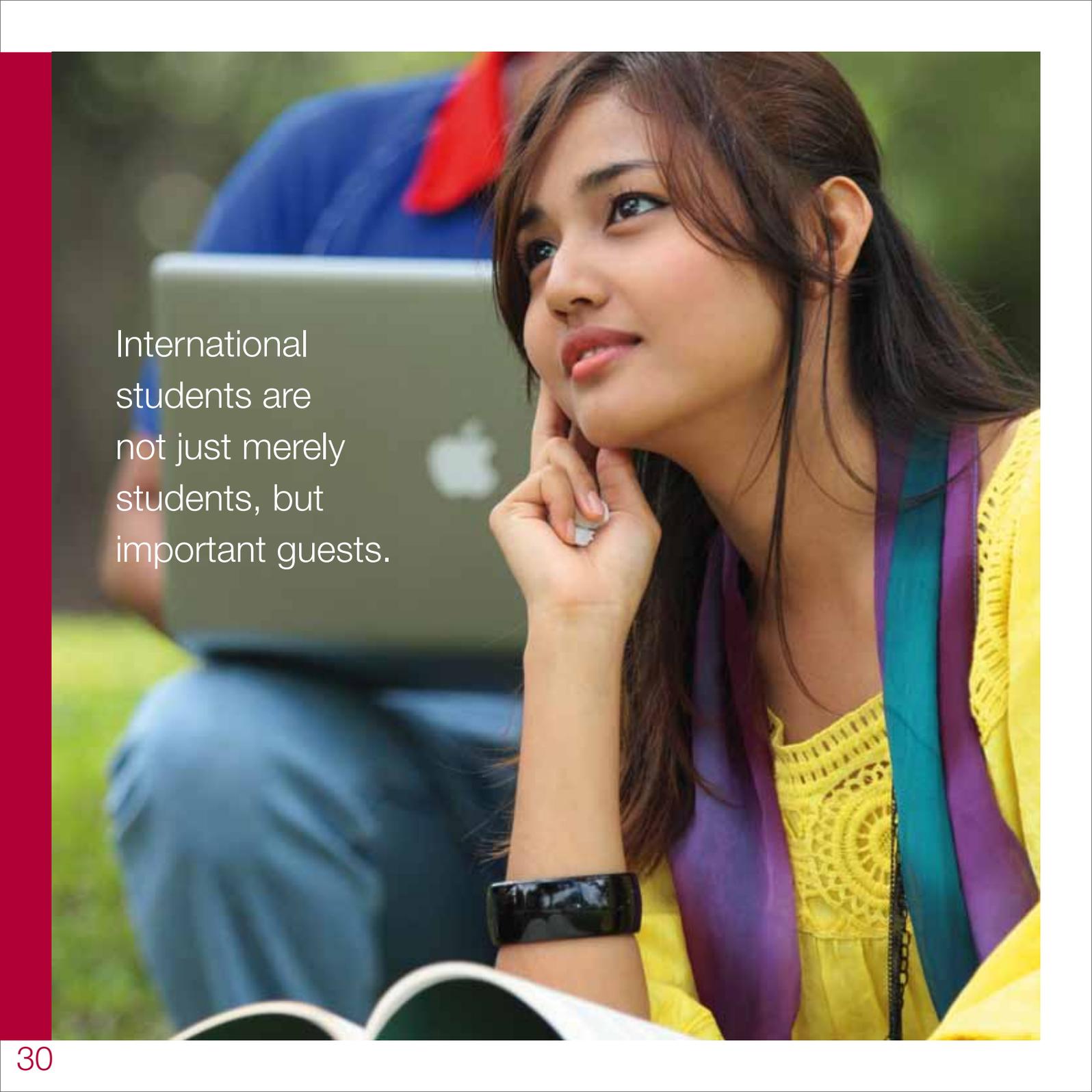


# Seekers of Knowledge



International Full-time  
and Mobility Students  
come from Over  
60 Countries

From Around The World



International students are not just merely students, but important guests.

# Feeling at Home Away from Home

International Students are not just merely students but important guests. We take great pleasure in welcoming students from abroad. While they're here, we take the initiative to demonstrate the warmth of Malaysian hospitality. It is an opportunity to play host and introduce the beauty of our country and culture to a person from another place and at the same time, learn more about them as well.

## International Centre

International Centre is the leader in UPM's internationalization strategic agenda and functions as a one-stop centre for the information on the University's international activities. In line with its motto Your Campus Friend, the International Support Services Section acts as a friend in helping international students adjust to their new life in UPM. The section also provides non-academic services beginning from students' preparation to come to Malaysia, exposure to living in a multinational environment as well as adapting to challenges in living with different cultures.

## International Support Services Section

In summary, our office manages activities with regards to the universities international matters. These include providing advisory, counseling as well as processing services on matters pertaining to visa and pass, student affairs, acculturation activities, sports and welfare of the international community.

The management of the International Centre is divided into three units which are Advice Service and Student Development Unit, Housing and Accommodation Unit, and Visa and Pass Unit.

Through our Advice Service and Student Development Unit, we strive to instill acculturation among our international students. This is achieved through the numerous programs that we lined up for our students annually.

The housing and accommodation unit coordinates the international community housing on campus and also provide information on off campus housing.

Through our visa and pass unit, we process visas and passes for our international students and expatriates. Besides that, we manage the students' welfare through an insurance protection scheme which we worked with an external insurance agency.

## Mobility and Outreach Section

The mobility and outreach section coordinates mobility and student exchange programmes in order to establish high impact internationalization activities. We also manage courses, training and internship programmes for student mobility together with other entities in UPM.

## Contact us:

International Centre  
Bangunan C11, Lorong Pongamia 1  
Universiti Putra Malaysia, 43400 UPM Serdang  
Malaysia  
Tel: +603-8946 6004  
Fax: +603-8656 3539  
Email : [query@iputra.upm.edu.my](mailto:query@iputra.upm.edu.my)

“When we speak of ‘the higher education community,’ it’s not just an expression... We really are a community of learners, and we take care of each other.”

John Peter





# Insights on UPM

- About us
- Our Vision, Mission & Goals
- Research & Development
- Enter Into A Green World
- Awards & Recognition

# Getting to know us better



# UPM- The Urbane Green University

Universiti Putra Malaysia is an establishment of history that has evolved into a multi-disciplinary, research-centre university. The courses offered are a diverse range of high-quality, world-class programmes. This is the university you want to be in, housing 16 faculties, 2 schools, 9 institutes, 9 centres and a research academy. What you choose to study are likely to be found in UPM's choices of 5 Diplomas, 53 Bachelors and over 250 fields of postgraduate studies.

In a student population of 25,018, you'll be part of the local and international community. Students from over 60 countries are in UPM, making studies and lifestyle on campus even more interesting. Our campuses in Serdang, Selangor (main campus) and Bintulu, Sarawak (branch campus) provide an interesting and conducive backdrop for learning and living while getting to know the world better. UPM comes equipped with complete facilities and amenities you would expect of a top university.



## How we began in the 70s...

Universiti Putra Malaysia didn't always have its name. It was first known as Universiti Pertanian Malaysia or Malaysian University of Agriculture. It began its first academic session in July 1973 with three central faculties: the Faculty of Agriculture, Faculty of Forestry, and Faculty of Veterinary Medicine and Animal Science. In addition to the three faculties, there was also a Basic Sciences Division. The student enrolment at the time was 1,559.

Quickly identifying the need to step up with the times, UPM expanded in the 1980s as to provide better and up-to-date skills and systems for science and technology education. The university was taking full advantage of the rapid development in information technology (IT).

UPM was then transformed into a borderless campus. Its name and reputation stretching far beyond the national boundaries. The climax of the transformation came with the changing of the name of the Universiti Pertanian Malaysia to Universiti Putra Malaysia; officiated by Dato' Seri Dr. Mahathir bin Mohamed, the former Prime Minister on 3rd April 1997.

Universiti Putra Malaysia was the culmination of diverse study interest, information technology and the ability to adapt to global demands and needs of the new millennium.



**UPM FAKULTI PERUBATAN DAN SAINS KESIHATAN**

**UPM FAKULTI PERUBATAN DAN SAINS KESIHATAN**  
UNIVERSITY OF MEDICINE AND HEALTH SCIENCES



## Development

UPM has two campuses - Main Campus in Serdang and a Branch Campus in Bintulu (UPMKB) while the Marine culture and Oceanography School in Port Dickson, Negeri Sembilan was recently added.

The main campus in Serdang is about 23 kilometres south of Kuala Lumpur city, with exceptionally easy access to the city. The campus is one of the major institutions within the Serdang Complex, consisting of agencies such as the Malaysian Agricultural Research and Development Institute (MARDI), the Department of Agriculture Research Centre, the Food Technical Research Centre and the Institute of Agriculture.

The Serdang Campus is huge! It covers 1,214 hectares in land area, out of which about 121 hectares are taken up by the administrative buildings, lecture halls, hostel blocks, staff housing, playing fields, and other amenities, whilst the remaining areas make up the University Agriculture Park.

The re-opening of the Universiti Putra Malaysia Bintulu Campus has provided more options for higher education in the country. It provided the opportunity for students to explore an added number of disciplines, allowing niche specializations that give students competitive edge in their fields.

# Our Philosophy

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

## Vision

To become a university of international repute.

## Mission

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

## Goals

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

## Values

Excellence, Diversity, Sustainability and Intergrity.



# Goals

# Research & Development

This is where all the fun begins! Carrying out researches on groundbreaking fields and being recognised for them. Universiti Putra Malaysia is one of the only five Malaysian universities that is designated as a “research university”. We have carved out a name in research, development and commercialisation and now ranked at the top among the most prestigious universities in the region. UPM today is internationally acknowledged for its commitment to creating new frontiers in research.

## Six Research Clusters

- Agriculture
- Food
- Forestry and Environment
- Health
- Social Science
- Science, Technology and Engineering

## Research Areas

- Food Crops
- Plantation Crops
- Animal and Aquaculture Production
- Bio-health
- Value Added Bio Products
- Alternative Renewable Energy
- Tropical Forest Products
- Halal Products

## Future Areas of Concentration

**Defence and Security** (strategic and policy studies, cyber security, criminology and forensic, defence technology, defence management, aerospace and maritime)

**Food Security** (availability, accessibility, utilisation and stability of grain crop, animal and aquaculture)

**Advanced and Added Values Manufacturing** (development, testing and manufacturing of bio-based products using emerging technologies and intelligent manufacturing systems)

**ICT** (contents, communications and infrastructure)

**Tropical Medicine** (management, mechanisms, bioprospecting, applications and product development)  
**Global Warming** (environmental conservation, transportation, waste, low carbon society, safety and comfort, and energy efficiency)

**Infectious Diseases** (management, mechanisms, community intervention, opportunistic infections, diagnostic)

**Energy, Water and Security** (raw materials, medium and mode of storage and transportation, proposed regulation, safety procedures and educational programmes)

**Halal Products** (product, process and alternatives, policy and management, socio-culture, and analysis and authentication)

**Transportation and Mobility** (design, fabricate and test vehicles consisting of intelligent electronic control, electric powered indoor vehicle, CNGDI-electric hybrid outdoor vehicle, built environment suitable for the indoor vehicle, transmission system, specialty bio-fuel engine and training module)

**Heritage Food and Culture** (food culture and sociology, consumer behaviour, food marketing, food quality, innovative convenient food, food entrepreneurship, food policy and information communication technology)

**Risk Governance** (the risk/hazard determination, analysis, mitigation and governance issues)

**Chronic Diseases and Disabilities** (ageing and disability)

**Childhood Development and Education** (children's optimal holistic (physical, emotional, social and cognitive) development and education)

**Food Safety** (strategies to control and mitigate food safety hazards and develop method, database and indicator for safer food using science and non-science approach)

**Traditional Knowledge** (the religio-medico perspective, food preservation and conservation technology, preservation of unique cultural identity and traditional arts, folk culture and sustainable environment for habitation, and the legal framework for protecting the rights to indigenous knowledge)

**Bio-diversity and Wild Life Conservation** (assessment, utilisation and economic valuation of biodiversity resources)

**Neurodegenerative Disorder** (epidemiology, clinical investigations, neurobiology, stem cell research, therapeutics and interventional strategies)

## Making Strides

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

To date, UPM has filed 354 patents (pending and granted), the highest number among universities and also the highest record for a Malaysian university. We have commercialised 23 research products and technologies so far, which generated sales amounting to almost RM32 million.

Among our notable research breakthrough is the Fast Target White Spot Virus Detection Kit, which saved the shrimp industry from near collapse in the late 1990s. It was estimated that this Kit saved shrimp farmers about RM72 million in potential losses.

[www.rmc.upm.edu.my](http://www.rmc.upm.edu.my)

We conduct perhaps the most extensive range of research and development in our country. Our awards and recognitions testifies our achievement in the research and development sector.



## Expeditions of Success

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

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

In making strides forward, UPM has quickened the pace of technology transfer to benefit local industries, thus relying less on importing expensive foreign technologies. A recent innovation – Recombinant Pneumonic Mannheimia Vaccine - was sold for RM4 million plus 25% equity to a spin-off company.

## Commercialized Products & Technologies

- Vita-Grow, growth and yield enhancer
- ZAPPA, rice seeds germination enhancer
- Fowl Pox Vaccine, tissue culture adapted
- Newcastle Disease Vaccine, V4-UPM heat resistant strain
- FAST TARGET, white spot virus detection kit
- StellarLac, chicken probiotic technology
- Fibre Duplexer Module (FDM)
- Stone Mastic Asphalt with cellulose oil palm fibre
- MyVAC UPM93, infectious bursal disease vaccine
- MRTLatexometer, for rapid measurement of dry rubber content
- BACTERIOCIN UL4, anti-microbial compound
- KUSTEMVax, manheimiosis vaccine
- Trichogreen, biocontrol agent and growth enhancer (oil palm)
- AJIB, crystalline water soluble fertilizer
- EDU-Enzyme Assay educational kit
- Biotropics Palm Leaf Extract

- Cattle Breeding
- Monogastric Animal Feed
- CNG Composite Tank
- Satiri Superdwarf, turf grass
- High Quality Orchid Micro-Propagation

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

## International Publications & Awards

In 2006, we published 2,168 studies, out of which 503 were published in citation-indexed journals. In 2007, we won 573 awards which included gold medals at the British Invention Show, and gold and silver medals in the IENA show in Nuremberg, Germany. At Eureka 2007 in Belgium, UPM walked away with 10 awards.



In support of our dedication towards research and development, we have full-fledged facilities, labs, and multiple resource centres.



# Enter Into A Green World



UPM clinched sixth place in the GreenMetric World University Ranking 2010 (Green Metric) out of the 95 universities that participated in the ranking. UPM emerged as the best in Asia, based on its extensive promotion of sustainability through environmental conservation and green technology.

As one of the top universities in the region, UPM gives serious attention to the importance of preserving natural environment and resources. This consciousness was nurtured with initiatives taken to create greater awareness and responsibility among researchers, lecturers, students and staff.

It began with a great start - an ongoing recycling programme, the “Recycling Rally” became part of UPM’s green effort to encourage waste recycling. Our vision is to become the ‘doorway’ to a green world. The ideal situation is when someone walks into the UPM campus, the individuals automatically adopt the green impulses of recycling.

The Recycling Rally programme is part of UPM’s participation in Universitas Indonesia’s (UI) ‘GreenMetric Ranking of World Universities’ initiative. An interactive website was established in 2010 to provide profiles on universities worldwide based in criteria-centric self-assessed input.

Utilising extensive independent research and surveys, the rankings are based on the British Times Higher Education Supplement (THES), the Higher Education & Accreditation Council of Taiwan and the Green Report Card rankings.

Plans are underway in the effort to draw the attention of university leaders and stakeholders to combat global climatic change, energy conservation, water conservation, waste recycling and green transportation alternatives.



# Awards & Recognition

UPM bestowed with numerous awards over the years is testimony to the university's commitment to academic excellence and the betterment of mankind. The prestige and status in the Asia Pacific region followed suit naturally. As one of the top-ranking research universities, we play a pivotal role and have a social obligation to produce academics and individuals who will make a difference to the world.

## National Recognition

- Special Jury Award at the National Intellectual Property Day 2009
- Highest number of gold medals amongst Higher Education Institutions in Malaysia Technology Expo (MTE) 2007
- The 2008 National Intellectual Property Award for two Categories (Organization & Individual)
- Designated as a Centre of Excellence
- 2nd Malaysia Independence 1957 Award

## International Recognition

- Gold Medal in the 37th International Technique and Product Invention Exhibition in 2009
- Technology Business Review ASEAN Award 2008 for Excellence in Education Sector for Research University
- Outstanding Scientific & Technological contribution to the Development of a Member Country of OIC by Islamic Development Bank (IDB) 2008
- Five Medals for Research Projects in British Invention Show 2008
- 4 Gold and 1 silver medals at the INNOVA ENERGY 2009 international exhibition held in Brussels
- Assoc. Prof. Dr. Tan Chin Ping from Faculty of Food Science and Technology was awarded the 2010 Prosper Net-Scopus Young Scientist Award in Sustainable Development at Tongji University, Shanghai
- 6 gold medals at the Invention New Product Exposition (INPEX) at Pittsburgh, Pennsylvania, USA in June 2010
- Recognized as the Centre of Excellence for Agro-biotechnology
- Ranked by ASIA Inc. Magazine as the 7th top MBA school
- 6th Place in UI GreenMetric World University Ranking 2010



# Undergraduate Programmes

- General Academic Information
- Faculty of Agriculture
- Faculty of Forestry
- Faculty of Veterinary Medicine
- Faculty of Economics and 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 Design and Architecture
- Faculty of Medicine and Health Sciences
- Faculty of Computer Science and Information Technology
- Faculty of Biotechnology and Biomolecular Sciences
- Faculty of Agricultural and Food Sciences (UPMKB)
- Faculty of Environmental Studies

## PROGRAMMES OF STUDY

### UNDERGRADUATE PROGRAMMES

#### ENTRY REQUIREMENTS

##### EQUIVALENT QUALIFICATION

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

##### PLUS

Has fulfilled special requirements for the program i.e a Diploma in a relevant field or any other qualification recognized by the UPM Senate.

- 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 at least 550 or a score of 6 in the IELTS examination.

##### PLUS

Has fulfilled special requirements for the program i.e attaining the required grades in Science/ Arts as specified for each UPM Bachelor Programme.

- A good pass in the Higher School Certificate (HSC)/ its equivalent with at least :-
- A C+ grade in three (3) subjects or 65% in three (3) subjects in the Final Level of Secondary Education,
- 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 6 in the IELTS examination.

##### PLUS

Has fulfilled special requirements for the program i.e attaining the required grades in Science/ Arts as specified for each UPM Bachelor Programme.

- A Diploma or its equivalent which is recognized by 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 6 in the IELTS examination.
- Has fulfilled special requirements for the program i.e attaining the required grades in Science/ Arts as specified for each UPM Bachelor Programme.

## STPM / EQUIVALENT QUALIFICATION

### STPM CANDIDATES

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

##### PLUS

Has fulfilled special requirements for the program i.e attaining the required grades in Science/ Arts as specified for each UPM Bachelor Programme.

## UNDERGRADUATE PROGRAMMES

|  | Science | Arts |
|--|---------|------|
| <b>FACULTY OF AGRICULTURE</b>                        |         |      |
| Bachelor of Agricultural Science                     | •       | -    |
| Bachelor of Horticultural Science                    | •       | -    |
| Bachelor of Science (Agribusiness)                   | •       | •    |
| Bachelor of Agriculture (Aquaculture)                | •       | -    |
| Bachelor of Agriculture (Animal Science)             | •       | -    |
| <b>FACULTY OF FORESTRY</b>                           |         |      |
| Bachelor of Forestry Science                         | •       | -    |
| Bachelor of Wood Science Technology                  | •       | -    |
| Bachelor of Recreational and Park Science            | •       | -    |
| <b>FACULTY OF VETERINARY MEDICINE</b>                |         |      |
| Bachelor of Veterinary Medicine                      | •       | -    |
| <b>FACULTY OF ECONOMICS AND MANAGEMENT</b>           |         |      |
| Bachelor of Economics                                | -       | •    |
| Bachelor of Accountancy                              | -       | •    |
| Bachelor of Business Administration                  | -       | •    |
| <b>FACULTY OF ENGINEERING</b>                        |         |      |
| Bachelor of Engineering (Civil)                      | •       | -    |
| Bachelor of Engineering (Electrical and Electronics) | •       | -    |

|   | Science | Arts |
|---|---------|------|
| Bachelor of Engineering (Chemical)                              | •       | -    |
| Bachelor of Engineering (Agricultural and Biosystem)            | •       | -    |
| Bachelor of Engineering (Mechanical)                            | •       | -    |
| Bachelor of Engineering (Aerospace)                             | •       | -    |
| Bachelor of Engineering (Processes and Food)                    | •       | -    |
| Bachelor of Engineering<br>(Computer and Communication Systems) | •       | -    |

#### FACULTY OF EDUCATIONAL STUDIES

|  | Science | Arts |
|--|---------|------|
| Bachelor of Education<br>(Teaching of Bahasa Malaysia as the First Language) | -       | •    |
| Bachelor of Education<br>(Teaching of English as a Second Language)          | -       | •    |
| Bachelor of Education (Physical Education)                                   | •       | -    |
| Bachelor of Education (Guidance and Counseling)                              | •       | •    |
| Bachelor of Education (Home Science)   | •       | -    |
| - Bachelor of Education (Agricultural Science)                               | •       | -    |
| Bachelor of Education (Information Technology)                               | •       | •    |
| Bachelor of Science (Human Resources Development)                            | •       | •    |
| Bachelor of Education (Moral Education)                                      | •       | •    |

#### FACULTY OF SCIENCE

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

#### FACULTY OF HUMAN ECOLOGY

|  | Science | Arts |
|--|---------|------|
| Bachelor of Music (Music Performance)                        | -       | •    |
| Bachelor of Science (Human Development)                      | •       | -    |
| Bachelor of Consumer Studies                                 | -       | •    |
| Bachelor of Science (Human Dev. & Management)                | •       | -    |
| Bachelor of Science<br>(Human Dev. & Information Technology) | •       | -    |

#### FACULTY OF MEDICINE AND HEALTH SCIENCE

|   | Science | Arts |
|---|---------|------|
| Doctor of Medicine  | •       | -    |
| Bachelor of Science (Biomedical Science)                  | •       | -    |
| Bachelor of Science (Dietetic)                            | •       | -    |
| Bachelor of Science (Nutrition and Community Health)      | •       | -    |
| Bachelor of Science (Environmental & Occupational Health) | •       | -    |
| Bachelor of Nursing                                       | •       | -    |

#### FACULTY OF FOOD SCIENCE AND TECHNOLOGY

|   | Science | Arts |
|---|---------|------|
| Bachelor of Food Science and Technology | •       | -    |
| Bachelor of Science (Food Studies)      | •       | -    |

#### FACULTY OF MODERN LANGUAGES AND COMMUNICATION

|                                  |   |   |
|----------------------------------|---|---|
| Bachelor of Arts • Major In      |   |   |
| - English Language               | - | • |
| - Malay Language and Linguistics | - | • |
| - Malay Literature               | - | • |
| - English Literature             | - | • |
| Foreign Languages • Major In     |   |   |
| - Arabic                         | - | • |
| - Mandarin                       | - | • |
| - French                         | - | • |
| - German                         | - | • |
| Bachelor of Communication        | - | • |

#### FACULTY OF DESIGN AND ARCHITECTURE

|   | Science | Arts |
|---|---------|------|
| Bachelor of Landscape Architecture      | •       | -    |
| Bachelor of Design (Architecture)       | •       | -    |
| Bachelor of Design (Industrial Design)  | •       | -    |
| Bachelor of Architecture                | -       | -    |
| Bachelor of Science in Art Architecture |         |      |

**Science Arts**

**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

Bachelor of Computer Science • Major In

- |                        |   |   |
|------------------------|---|---|
| - Computer System      | • | - |
| - Multimedia           | • | - |
| - Software Engineering | • | - |
| - Computer Networking  | • | - |

**FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES**

Bachelor of Science (Biotechnology)

- |  |   |   |
|--|---|---|
| - Bachelor of Science (Honours) – Major In | • | - |
| • Biochemistry                             | • | - |
| • Microbiology                             | • | - |
| • Cell Biology and Molecule                |   |   |

**FACULTY OF ENVIRONMENTAL STUDIES**

- |                                      |   |   |
|--------------------------------------|---|---|
| Bachelor of Science (Environment)    | • | - |
| Bachelor of Environmental Management | • | - |

**FACULTY OF AGRICULTURE SCIENCE AND FOOD (UPMKB)**

- |   |   |   |
|---|---|---|
| Bachelor of Science Bioindustry         | • | - |
| Diploma in Agriculture                  | • | • |
| Diploma in Forestry                     | • | • |
| Diploma in Fisheries                    | • | - |
| Diploma in Animal Health and Production | • | - |
| Diploma in Food Estate Management       | • | • |

**GENERAL ACADEMIC INFORMATION**

UPM practices the semester system comprising two semesters for every academic session i.e the First and Second Semester. Every semester consist of eighteen weeks of study and students will be evaluated via on-going evaluation inclusive of a final examination.

Further information pertaining to Diploma and Degree Programmes:

**REGISTRAR**

Academic Section, Universiti Putra Malaysia  
43400 UPM Serdang, Selangor Darul Ehsan  
Tel : 03-89466059/89466060  
Fax : 03-89426469  
E-mail : akademik@upm.edu.my  
Website : <http://www.akademik.upm.edu.my>  
<http://www.upm.edu.my>

**ACADEMIC CALENDAR**

**First and Second Semester**

|                        |   |
|------------------------|---|
| Lectures               | 7 weeks   |
| Mid Semester Break     | 1 week  |
| Lectures               | 7 weeks   |
| Revision / Examination | 3 weeks   |
| Semester Break         | 5 weeks (1st Semester)<br>10 weeks (2nd Semester) |

**CREDIT REQUIREMENTS**

| <b>Programmes</b>               | <b>Minimum Credit</b> |
|---------------------------------|-----------------------|
| Bachelor (5 years)              |                       |
| (Doctor of Veterinary Medicine) | 150 credits           |
| Bachelor (3-4 years)            | 120 credits           |
| Diploma (3 years)               | 90 credits            |

**Science Arts**

**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

Bachelor of Computer Science • Major In

- |                        |   |   |
|------------------------|---|---|
| - Computer System      | • | - |
| - Multimedia           | • | - |
| - Software Engineering | • | - |
| - Computer Networking  | • | - |

**FACULTY OF ENVIRONMENTAL STUDIES**

|                                      |   |   |
|--------------------------------------|---|---|
| Bachelor of Science (Environment)    | • | - |
| Bachelor of Environmental Management | • | - |

**FACULTY OF AGRICULTURE SCIENCE AND FOOD (UPMKB)**

|   |   |   |
|---|---|---|
| Bachelor of Science Bioindustry         | • | - |
| Diploma in Agriculture                  | • | • |
| Diploma in Forestry                     | • | • |
| Diploma in Fisheries                    | • | - |
| Diploma in Animal Health and Production | • | - |
| Diploma in Food Estate Management       | • | • |

**GENERAL ACADEMIC INFORMATION**

UPM practices the semester system comprising two semesters for every academic session i.e the First and Second Semester. Every semester consist of eighteen weeks of study and students will be evaluated via on-going evaluation inclusive of a final examination.

Further information pertaining to Diploma and Degree Programmes:

**REGISTRAR**

Academic Section, Universiti Putra Malaysia  
43400 UPM Serdang, Selangor Darul Ehsan  
Tel : 03-89466059/89466060  
Fax : 03-89426469  
E-mail : [akademik@upm.edu.my](mailto:akademik@upm.edu.my)  
Website : <http://www.akademik.upm.edu.my>  
<http://www.upm.edu.my>

**ACADEMIC CALENDAR****First and Second Semester**

|                        |   |
|------------------------|---|
| Lectures               | 7 weeks   |
| Mid Semester Break     | 1 week  |
| Lectures               | 7 weeks   |
| Revision / Examination | 3 weeks   |
| Semester Break         | 5 weeks (1st Semester)<br>10 weeks (2nd Semester) |

**CREDIT REQUIREMENTS**

| Programmes  | Minimum Credit |
|---|----------------|
| Bachelor (5 years)<br>(Doctor of Veterinary Medicine) | 150 credits    |
| Bachelor (3-4 years)                                  | 120 credits    |
| Diploma (3 years)                                     | 90 credits     |

**CLASSIFICATION OF DEGREES**

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

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

**FEE STRUCTURE FOR DEGREE PROGRAMMES**

| Basic Fee                           | RM     | USD    |
|-------------------------------------|--------|--------|
| Non-repeatable Fee (paid only once) | 430.10 | 125.40 |
| Repeatable Fee (every semester)     | 610.90 | 178.10 |

**TUITION FEE (PER SEMESTER)**

| Field of Study                | RM       | USD      |
|-------------------------------|----------|----------|
| Arts                          | 2,208.90 | 644.00   |
| Pure Sciences                 | 3,680.40 | 1,073.00 |
| Technology                    | 4,935.80 | 1,439.00 |
| Doctor of Veterinary Medicine | 7,336.80 | 2,139.00 |

**ACCOMMODATION FEE FOR RESIDENTIAL COLLEGES  
Room Rate Per Day (MYR)**

| Type of Room | With Air-Cond | Without Air-Cond |
|--------------|---------------|------------------|
| Sharing      | 10.00         | 9.00             |
| Single       | 20.00         | 18.00            |



# Faculty of Agriculture

The Faculty of Agriculture is one of the three founding faculties in UPM. With a long tradition of agricultural education and research, the Faculty consists of seven departments: Crop Science, Plant Protection, Land Management, Animal Science, Aquaculture, Agriculture Technology, and Agribusiness and Information Systems.

As Malaysia's leading agriculture university, we have a crucial role to play in finding effective solutions to the current agricultural issues faced by the nation. The Faculty aspires to be a leader in promoting new tropical agriculture to enhance development of agriculture sector for the country via comprehensive and improved academic curriculum to produce graduates with strong technical knowledge and immense soft skill attributes.

Alongside producing agriculture experts who possess entrepreneurial and competent consulting skills, we seek to develop individuals who frontiers the agriculture technology through research and commercialisation traits.



## Programmes Offered

### Postgraduate Degree With Thesis (Coursework and Research)

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

### Degree Without Thesis (Coursework)

- Master in Plantation Management
- Master in Land Resource Management

### Undergraduate Bachelor Degrees

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

## Research Focus

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



# Faculty of Forestry

The Faculty of Forestry is one of the pioneering faculties of UPM. In line with UPM's goals to produce students who are competent, resilient and farsighted, our aim is to nurture quality graduates who can contribute to the success of forestry and related industries.

Our objective is to transform the Faculty of Forestry into a center of excellence for tropical forestry education and research. Amply staffed and backed by state-of-the-art facilities, the faculty is continuously making efforts to improve teaching methods while producing high-quality research and providing relevant expertise. Courses are offered through the Department of Forest Production and Department of Forest Management.

## Programmes Offered

### Postgraduate

- Masters and PhD
- Master of Science
- Master of Tropical Forest Resource Management
- Master of Wood Industries Technology

### Bachelor Degrees

- Bachelor of Forestry Sciences
- Bachelor of Wood Science Technology
- Bachelor of Parks and Recreation Science

## Research Focus

- Forest Products and Utilization
- Recreation, Parks and Ecotourism
- Plantation and Agro Forestry
- Forestry Ecology and Biodiversity
- Forestry Economics and Policy
- Sustainable Management of Natural Forests



“You can lead a horse to water, but a pencil must be led.”

Stan Laurel

”



# Faculty of Veterinary Medicine

The Faculty of Veterinary Medicine (FVM) was incepted in 1973. Since then the faculty had graduated more than 1,200 veterinarians, serving in important and influential positions in government and private sectors in Malaysia and abroad. The Faculty comprises of 3 departments; Department of Veterinary Preclinical Sciences, Department of Veterinary Pathology and Microbiology, Department of Veterinary Clinical Studies, and a veterinary teaching hospital. The staffs of the Faculty are competent and committed professionals, dedicated to providing excellent services in teaching, research and consultancy.

It is the aspiration of the Faculty to be a leading veterinary teaching institution in the world. In 2000, FVM became the first veterinary school in the world to be accredited with a comprehensive MS ISO 9001. Later in 2007 the Veterinary Laboratory Service Unit, FVM became the second veterinary diagnostic laboratory in the country to receive the ISO 17025 accreditation.

The researchers in the Faculty are talented and innovative. From research activities, the Faculty had commercialized 4 animal vaccines and 1 diagnostic kit, patented 12 research products in Malaysia, USA and Europe and formed 1 spin-off company.

## Programmes Offered

Doctor of Veterinary Medicine (DVM)

### Postgraduate

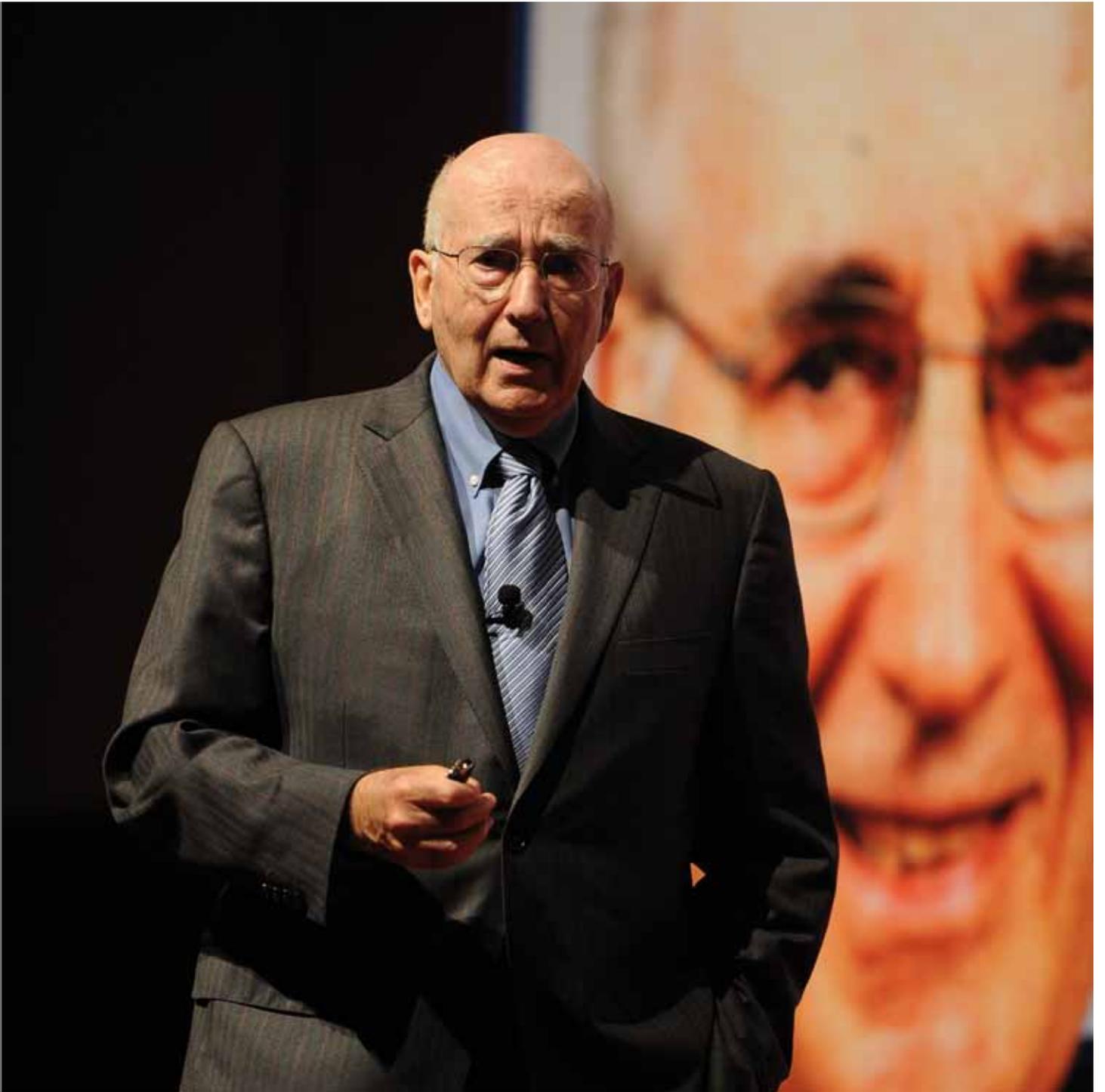
- Doctor of Philosophy (PhD)
- Master of Veterinary Science (MVSc)
- Master of Veterinary Medicine (MVM)
- Master of Science (MS)

## Research Focus

Infectious bursal disease, avian influenza, Newcastle disease, avian infectious bronchitis, haemorrhagic septicaemia, pneumonic pasteurellosis, veterinary parasites, leptospirosis, food hygiene and safety, bone diseases and resurrection, fatty acid profiling, toxicology, embryo transfer, artificial insemination, vaccine development, therapeutic proteins, cancer therapy, pharmacokinetics, cytogenetics, wildlife ecology and small animal, ruminant, equine, avian, aquatic, wildlife and exotic animal medicine and surgery.

## Services

Veterinary referral, veterinary healthcare, laboratory diagnosis, consultancy and continuing education.



# Faculty of Economics & Management

The Faculty of Economics and Management (formerly the Faculty of Resource Economics and Agribusiness) was incepted in January 1974 in response to the need for competent professionals in the fields of Agribusiness and Resource Economics. Growing by leaps and bounds, the Faculty currently has four departments to cater to the increasing demand.

## Economics Department

Courses in Economics Theory, Quantitative Techniques, Development Economics, International Economics, Industrial Economics, International Commerce Financial Economics and Environmental Economics.

## Management and Marketing Department

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

## Accounting and Finance Department

Courses in Accounting, Audit, Tax, Finance and Banking.

## Hospitality and Recreation Department

Courses in Hospitality, Tourism and Recreation.

## Programmes Offered

### Postgraduate

- Master of Science in Economics  
Specialisations offered: Financial Economics, Development Economics, Industrial Economics, International Economics Resource and Environmental Economics, Hospitality & Recreation.

- Master of Economics  
Specialisations offered: Financial Economics, Development Economics, Industrial Economics, International Economics and Resource and Environmental Economics.

- PhD in Economics

### Bachelor Degrees

- Bachelor of Accounting (Honours)

- Bachelor of Economics
  - Financial Economics
  - International Trade and Finance
  - Business Economics
  - Public Finance
  - Development Economics
  - Industrial Economics
  - Resources and Environmental Economics
- Bachelor of Business Administration
  - Marketing
  - Human Resource Management
  - Finance
  - International Business
  - Entrepreneurship
  - Hospitality and Recreation Management

## Research Focus

- Industrial economics
- Financial economics
- Business economics
- International Trade and Finance economics
- Public Finance economics
- Development economics
- Resource and Environmental
- Hospitality and Recreation
- Accounting
- Finance
- Marketing
- Management

## Programmes for Working Adults

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

More options are also available with the External Programme Unit.

# Faculty of Engineering

The Faculty of Engineering started humbly in 1975 with just two departments. Within two decades, it grew to be one of the best engineering schools in Malaysia. Today, we have 8 departments with a combined enrolment of 1,537 full-time undergraduate students and 1,406 postgraduate students.

## Programmes Offered

### Field of Studies For Master With Thesis and Doctor of Philosophy Programmes

#### AEROSPACE ENGINEERING

- Aerospace Engineering
- Computational Methods in Engineering

#### CIVIL ENGINEERING

- Geotechnical and Geological Engineering
- Highway and Transportation Engineering
- Project Management
- Structural Engineering
- Water Resources Engineering
- Sanitary and Environmental Engineering

#### BIOLOGICAL AND AGRICULTURAL ENGINEERING

- Agricultural Waste Engineering
- Agricultural Mechanisation and Automation
- Soil and Water Engineering
- Farm Structures
- Safety, Health and Environment
- Post Harvest Engineering

#### ELECTRICAL AND ELECTRONIC ENGINEERING

- Electrical Power Engineering
- Electronic Engineering
- Control And Automation Engineering
- Instrumentation Engineering

#### CHEMICAL AND ENVIRONMENTAL ENGINEERING

- Chemical Engineering
- Biochemical Engineering
- Environmental Engineering
- Material Science and Engineering
- Safety and Emergency Management

#### COMPUTER AND COMMUNICATION SYSTEMS ENGINEERING

- Computer and Embedded System Engineering
- Intelligent Systems Engineering
- Multimedia System Engineering
- Wireless Communication Engineering
- Photonics and Fiber Optics System Engineering
- Communication Network Engineering

#### MECHANICAL AND MANUFACTURING ENGINEERING

- Manufacturing Systems Engineering
- Industrial Engineering
- Mechanical Engineering
- Material Engineering

#### PROCESS AND FOOD ENGINEERING

- Agricultural Process Engineering
- Bioprocess Engineering
- Food Engineering
- Packaging Engineering

### Field Of Studies For Master Without Thesis Programmes

- Emergency Responses and Planning
- Water Management
- Remote Sensing and GIS
- Structural Engineering and Constructions
- Water Engineering
- Environmental Technology Management
- Process Safety and Loss Prevention
- Engineering Management
- Highway and Transport Engineering
- Environmental Engineering
- Manufacturing Engineering
- Innovation and Engineering

### Bachelor Degrees

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

# Research Focus

| Department                                       | Research Area  |
|--|--|
| 1. Aerospace Engineering                         | <ol style="list-style-type: none"> <li>1. Aerospace Vehicle Design</li> <li>2. Aerodynamics</li> <li>3. Aerospace Materials and Structures</li> <li>4. Space Vehicle Guidance and Control</li> <li>5. Avionics System and Technology</li> <li>6. Propulsion and Thermofluids</li> </ol>  |
| 2. Civil Engineering                             | <ol style="list-style-type: none"> <li>1. Highway and Transportation Engineering</li> <li>2. Geotechnical and Geological Engineering</li> <li>3. Water Resources Engineering</li> <li>4. Structural Engineering and Construction</li> </ol>  |
| 3. Biological And Agricultural Engineering       | <ol style="list-style-type: none"> <li>1. Agricultural Mechanization and Automation</li> <li>2. Safety, Health and Environment</li> <li>3. Post Harvest Engineering</li> <li>4. Infrastructure and Resources Conservation</li> </ol>   |
| 4. Electrical And Electronic Engineering         | <ol style="list-style-type: none"> <li>1. Circuit and System Design</li> <li>2. Control System and Signal Processing</li> <li>3. Power Electronics, Machine and Drives</li> <li>4. Thick and Thin-Film Devices and Sensors Technology</li> <li>5. Power System Reliability and Quality</li> </ol>  |
| 5. Chemical And Environmental Engineering        | <ol style="list-style-type: none"> <li>1. Materials Synthesis and Characterization</li> <li>2. Environmental Engineering</li> <li>3. Biochemical Engineering</li> <li>4. Sustainable Products and Process</li> <li>5. Chemical Process Engineering</li> </ol>  |
| 6. Mechanical And Manufacturing Engineering      | <ol style="list-style-type: none"> <li>1. Manufacturing Engineering</li> <li>2. Industrial Engineering</li> <li>3. Applied Mechanics</li> <li>4. Material Engineering</li> <li>5. Thermofluids</li> </ol>  |
| 7. Process And Food Engineering                  | <ol style="list-style-type: none"> <li>1. Bioprocess Engineering</li> <li>2. Packaging Engineering</li> <li>3. Food Engineering</li> <li>4. Agricultural Process Engineering</li> </ol>  |
| 8. Computer And Communication System Engineering | <ol style="list-style-type: none"> <li>1. Photonic and Fiber Optic Systems Engineering</li> <li>2. Wireless Communication Systems Engineering</li> <li>3. Communications and Network Engineering</li> <li>4. Computer Systems Engineering</li> <li>5. Multimedia Systems Engineering</li> <li>6. Embedded Systems and Artificial Intelligence Engineering</li> </ol> |

[www.eng.upm.edu.my](http://www.eng.upm.edu.my)





# Faculty of Educational Studies

The Faculty of Educational Studies was established on 15 January 1975 and was initially referred to as the Faculty of Educational Services.

From 1976, the Faculty offered its own courses, beginning with the Bachelor of Education programmes for Agricultural Science and Home Science. In the early 1980s, it added the Bachelor of Education programmes in Guidance and Counselling: the Teaching of Bahasa Malaysia as a First Language; the Teaching of English as a Second Language; and Physical Education to fulfill growing demands. Currently, the Faculty of Educational Studies offers programmes at Bachelor level and various postgraduate programmes. The objective of this Faculty is to produce competent teachers for secondary school level as well as professionals who seek careers in human resource development.

## Programmes Offered

### Postgraduate

- Teaching of Bahasa Malaysia as the First Language
- Teaching of English as a Second Language
- Educational Administration
- Pedagogy
- Vocational and Technical Education
- Physical Education
- Moral Education
- Guidance and Counselling
- Educational Psychology
- Sociology of Education
- Educational Technology
- Sports Science
- Extension Education
- Human Resource Development

### Bachelor of Education

Bachelor of Education in Agricultural Science, Home Science, Physical Education, the Teaching of Bahasa Malaysia as a First

Language, the Teaching of English as a Second Language, Guidance and Counselling and Moral Education.

### Bachelor of Science in Human Resource Development

This course is specially structured to prepare training and human resource development officers to serve in government, private and non government agencies.

### Distance Learning Diploma Programme

The Diploma in Youth in Development Work is designed to produce graduates who aspire to work with youth. Established in 1999, this 2-year course is offered via distance education. It serves as a feeder course for the B.S. Human Resource Development programme.

## Research Focus

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

ZEISS

Imager.Z1



# Faculty of Science

The Faculty of Science began as the Division of Basic Sciences in 1972. There are now four departments: Department of Biology, Department of Chemistry, Department of Mathematics and Department of Physics. As part of a research university, the faculty is well equipped to mould ambitious students into critical and creative thinkers who are ready for the job market or to continue their postgraduate studies.

Our undergraduate programmes are designed to provide students with solid backgrounds in their respective disciplines and to develop their scientific perspectives. Teaching is conducted by well trained and experienced lecturers using the latest methodology, supported by up-to-date facilities in a conducive learning environment. The quality of our lecturers and our research standards are recognized nationally and internationally. Each year, our academic staff publish hundreds of research articles and win various awards. The Faculty has been one of the largest recipients of research grants in the university and is continuously striving to surpass its excellent records.

## Programmes Offered

### Bachelor Degrees

- Bachelor of Science (Honours)  
Majoring in Biology, Physics, Instrumentation Science, Materials Science, Chemistry, Industrial Chemistry, Petroleum Chemistry, Mathematics and Statistics
- Bachelor of Science with Education (Honours)  
Majoring in Biology, Physics, Chemistry, Mathematics and Statistics.

### Postgraduate

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

## Research Focus

Natural products chemistry, materials science, oleochemistry, superconductors, microwaves, dielectrics, environmental biology, ecotoxicology, biodiversity, genetics, numerical analysis and optimization, nanoscience, theoretical and computational chemistry, sensor and instrumentation, quantum science and technology, pure and applied mathematics and statistics.



# Faculty of Food Science & Technology

The Faculty has a long and proud history of achievements. It began as the Department of Food Science and Technology in the Faculty of Agriculture in 1976, offering only the Bachelor of Food Science and Technology programme. In 1982, it became a Faculty with two departments: Food Science and Food Technology.

In 1986, the Bachelor of Science (Biotechnology) programme was offered and the Faculty was renamed as Faculty of Food Science and Biotechnology. In 1996, the Bachelor of Science (Food Studies) was offered with two options: Food Quality Management and Food Management. The Food Service Administration and Food Marketing options were added in 1997 and 2000, respectively.

In August 2004, the Faculty was renamed as Faculty of Food, Science and Technology. It expanded with the addition of the Department of Food Service and Management in January 2005. A new landmark was achieved when the Halal Product Research Institute was established in June 2005.

The Centre of Excellence for Food Safety Research (CEFSR), Faculty of Food Science and Technology was established in August 2008 which has emerged as one of the top research centres in the university, as evidenced by the accomplished contributions to the development of research and knowledge.

The Food Service Complex was established in January 2009. It has a state of the art teaching facility; one of its kinds in the country, designed for foodservice management students. In 2010, Supercritical Fluid Center (SFC) was established with the objective of developing local researchers and experts in the production of fine chemicals, nutraceuticals and pharmaceuticals. Current enrolment includes 668 undergraduate students and 214 postgraduate students.

## Programmes Offered

### Postgraduate

- MSc/PhD in Food Safety
- MSc/PhD in Food Science
- MSc/PhD in Food Technology
- MSc/PhD in Food Biotechnology
- MSc/PhD in Food Management
- MSc/PhD in Food Service

### Bachelor Degrees

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

## Research Focus

Fundamental and applied research in the fields of Food Biotechnology and Functional Food, Food Processing and Post Harvest Technology, Food Safety and Quality, Food Management and Food Service Management.



# Faculty of Human Ecology

The Faculty of Human Ecology focuses on the development of man and his interaction with the environment. It was established on 1st April 1992 with the merger of the Department of Human Development Studies, Faculty of Agriculture and the Department of Social Sciences, Faculty of Educational Studies. With a multidisciplinary approach in teaching and research, the faculty currently has five departments: Human Development and Family Studies; Resource Management and Consumer Studies; Social and Development Sciences; Government and Civilization Studies and Music. Additionally, there is also the External Education and Industrial Training Unit.

## Programmes Offered

### Postgraduate

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

- Doctor of Philosophy (Psychology of Child Development)
- Doctor of Philosophy (Social Psychology)
- Doctor of Philosophy (Developmental Psychology)

### Bachelor Degrees

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

## Research Focus

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

The Faculty has 2 centres of excellence namely:

1. Centre of Excellence for Sustainable Consumption Research (LESTARI)
2. Family, Adolescent and Child Excellence Centre (FACE)



# Faculty of Modern Languages & Communication

The Faculty of Modern Languages and Communication consists of four departments:

- Malay Language department
- Foreign Languages department
- English Language department
- Communication department

Our Malay Language department conducts Malay language and literature courses, whilst the English Language department conducts English language and literature courses as well as English language proficiency courses.

The Foreign Languages department offers Arabic, Mandarin, French and German as majors. In addition, it runs proficiency courses for Arabic, Japanese, Mandarin, Korean, Thai, French, Spanish, German, Tamil, Myanmar, Persian and Russian.

The Communication department offers majors in human communication, corporate communication, journalism, broadcasting, communication technology, mass communication and development communication.

## Programmes Offered

### Undergraduate Programmes

- Bachelor of Arts (B.A.)
- Bachelor of Communication (B. Comm.)

Bachelor of Arts programmes are in Malay Language and Linguistics, Malay Literature, English, English Literature and Foreign languages (majoring in Arabic, Mandarin, French or German).

Under the Bachelor of Communication programme, one can choose to major in Human Communication, Corporate Communication, Broadcasting or Journalism.

### Postgraduate Programmes

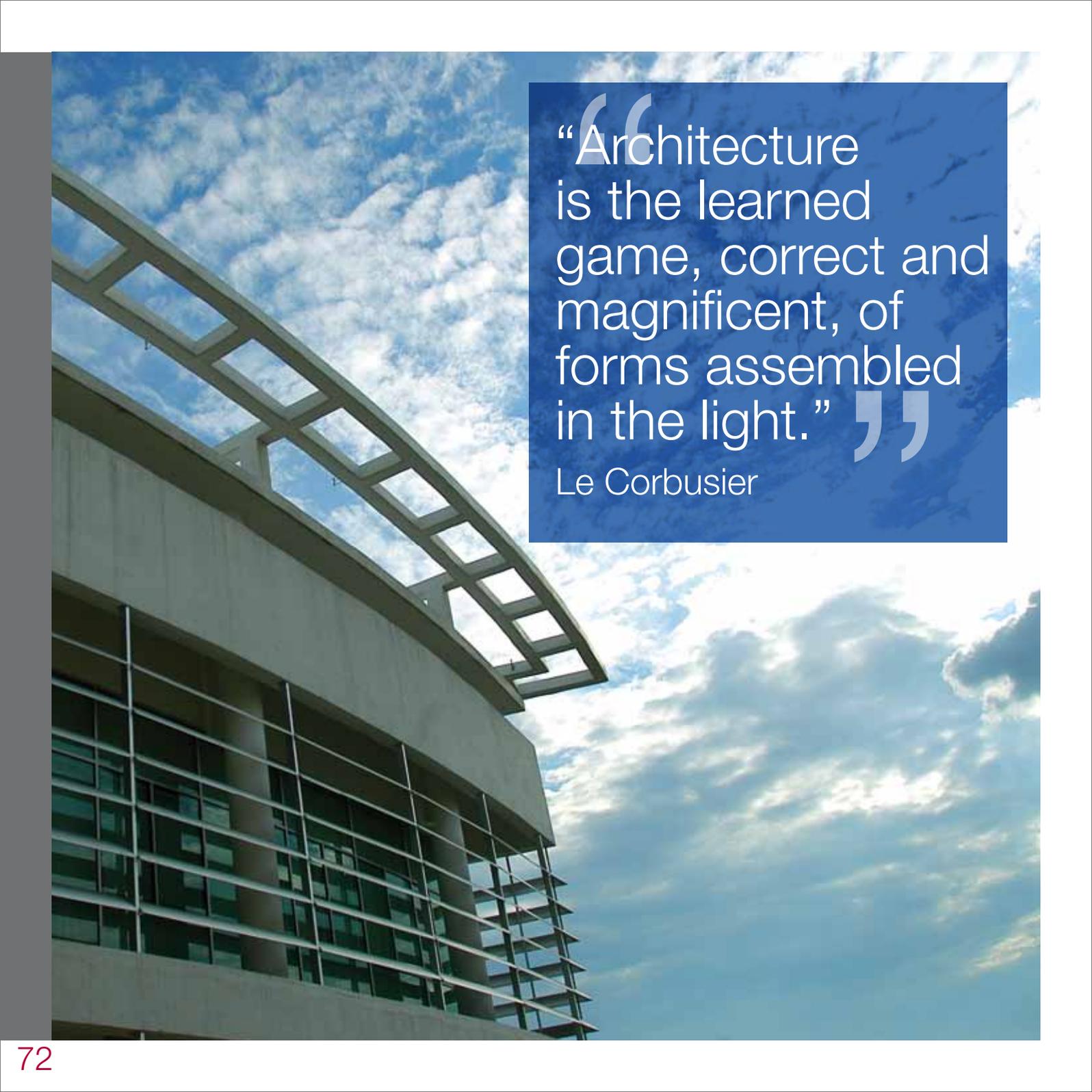
In collaboration with the School of Graduate Studies, we conduct postgraduate programmes (Masters and PhD) in Malay Language, English Language, Malay Literature, English Literature, and Communication (with options to focus on Organisational Communication, Human Communication, Development Communication, Communication Technology, Corporate Communication and Mass Communication).

### Executive Undergraduate Programmes

The Faculty offers BA Programmes for Executives in the fields of Malay Language and Linguistics, English, Arabic and selected foreign languages, and Communication.

### Distance Education Programmes

In collaboration with UPM Education & Training Sdn. Bhd., we offer Distance Education programmes for B.A. (Malay Language and Linguistics), B.A. (English), B.Comm., M.A. (Malay language) and Master in Corporate Communication.



“Architecture  
is the learned  
game, correct and  
magnificent, of  
forms assembled  
in the light.” ”

Le Corbusier

# Faculty of Design & Architecture

The Faculty of Design and Architecture was officially established on 26th June 1996 and began its operation with the Department of Landscape Architecture.

Subsequently, the Department of Architecture was established in 1999 and later the Department of Industrial Design in 2002. Operated from a few temporary wooden structures on a former horticultural nursery sites, the Faculty today is a complex of stylish buildings to house of Faculty and students, and up-to-date learning facilities and equipments.

The Faculty's vision is to be a renowned Faculty in design and creative arts and the mission of the Faculty is to excel in teaching and learning, research, innovation, and professional services in design and creative arts contributing towards sustainable development and human well being.

The Faculty began with an enrolment of 40 students. Today, it has expanded rapidly offering programmes for the undergraduate, Master and doctorate levels.

## Programmes Offered

### Postgraduate Studies and Master Degrees

- Master of Landscape Architecture (MLA) Without Thesis
- Master of Science (MS) with Thesis – Landscape Studies
- Master of Science (MS) with Thesis – Architectural Studies
- Master of Science (MS) with Thesis – Urban Planning and Design
- Master of Science (MS) with Thesis – Integrated Design Studies
- Doctor of Philosophy (PhD) – Landscape Studies
- Doctor of Philosophy (PhD) – Architectural Studies
- Doctor of Philosophy (PhD) – Urban Planning and Design
- Doctor of Philosophy (PhD) – Integrated Design Studies

### Bachelor Degrees

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

## Research Areas

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



# Faculty of Medicine & Health Sciences

The Faculty of Medicine and Health Sciences was formed on 1st August 1996 following the amalgamation of several departments : the Department of Biomedical Sciences from the Faculty of Veterinary and Health Sciences, the Department of Nutrition and Community Health from the Faculty of Human Ecology, and the Department of Medical Sciences. Incepted as the Faculty of Biomedicine and Health Sciences, the Faculty's name was officially changed to the Faculty of Medicine and Health Sciences in September 1997.

Currently the Faculty is housed in a new complex adjacent to Hospital Serdang which is used as a teaching hospital for UPM students. Currently, there are more than 1,500 full-time undergraduate and graduate students. The Faculty complex has comprehensive facilities, including four hostel blocks which can accommodate 2,000 students, a student centre, a food court, a Muslim prayer building and two houses meant for Heads of Hostel Administration. In addition, there are three blocks which houses the administration section, lecture halls, seminar rooms, tutorial rooms and laboratories.

## Programmes Offered

### Postgraduate

- Community Health
- Environmental Health
- Workers Health and Safety
- Human Genetics
- Dietary Sciences
- Dietary & Community
- Genetics
- Molecule Biology
- Physiology
- Molecule Medicine
- Pharmacology and Toxicology
- Chemical Pathology
- Haematology
- Immunology
- Medical Microbiology
- Medical Parasitology

### Bachelor Degrees

- Bachelor Science  
(Environmental & Occupational Health)
- Bachelor Science (Nursing)

- Bachelor Science (Dietetics)
- Bachelor Science (Nutrition & Community Health)
- Bachelor Science (Biomedical Sciences)
- Doctor of Medicine

## Research Areas

Stem Cells, Molecular Diagnostics, Community Health, Cancer, Nutrition and Health, HIV/Substances Abuse, Allergies, Mental Health, Cardiovascular Diseases, Thalassaemia, Haruan Research.



[www.medic.upm.edu.my](http://www.medic.upm.edu.my)

# My Success Story : Nurul Shazini bt Ramli

Chancellor Gold Medallist - 34th Convocation

The educational experience at UPM is likely to be the best time of my life. Four years of learning nutrition and community health really gave me a solid background in this field. I never dreamt of being a nutritionist, and yet now, I give consultation to people and those with health problems in regards to their diet and lifestyles.

At the same time, I can work in the laboratory - investigating nutrient content in foods and study their roles in disease prevention. This course has provided me with dual career choices, where both have significant contribution to the community.

My journey of 8 semesters as a nutrition student began with the basic understanding of nutrition, encompassing the roles of nutrients in health, nutrition through the life cycle, metabolism of body and physical activity. All the courses gave me a better grasp on the concept of nutrition in human health.

We also had the opportunity to join health screen programs, putting into practise what we learned in nutritional assessment.

The most exciting part of this course was at the end of the third year. The industrial training of two months gave me the real picture of the role of a nutritionist and made me more proactive and adaptive as I met with a diverse patient population. My nutrition therapy classes helped me tremendously during training as it



strengthened my skills on interpretation of laboratory values, body composition data and calculation of nutrient requirement.

In our fourth year, we conducted a one-year research. We were given a choice to do work on community nutrition or nutritional sciences, depending on our interest and enthusiasm. A thesis was to be submitted at the end of the course as a partial fulfilment of the requirements for the degree. The nutrition and community course were well put together and it was such a great pleasure to have the opportunity to learn with wonderful and experienced lecturers who always offered help, guidance and generously shared their precious experiences in moulding us to be the best nutritionist ever!



# Faculty of Computer Science & Information Technology

The global evolution and significance of computer studies and research was strategically harnessed in Universiti Putra Malaysia's programme offerings in the 1980s. Among the pertinent strategies to achieve this was to offer the Diploma and Bachelor of Computer Science courses. Keeping up with the rapid pace of information technology, the Department of Computer Science was established. Courses were designed and offered to cater to the needs and demands of students locally and internationally. These encompassed postgraduate studies and supervision for students in pursuit of the Master of Science and Doctor of Philosophy programmes.

In 1995, the Diploma and Bachelor of Computer Science were offered cooperatively between Universiti Putra Malaysia and private educational institutions. This indeed realized the widening of Universiti Putra Malaysia's computer studies spectrum. In October 1998, the Faculty of Computer Science and Information Technology was officially established to meet the demands for additional academic programmes and to keep pace with rapid developments in the respective fields. Currently, the Faculty constitutes of four departments: Department of Multimedia, Department of Computer Science, Department of Information Systems and Department of Communication Technology and Networks.

## Programmes Offered

### Postgraduate Studies and Master Degrees

- Master of Computer Science (by course work)
- Master of Science & Doctor of Philosophy (PhD) with Thesis

#### Fields of Study:

- Parallel and Distributed Computing
- Computer Networks
- Software Engineering
- Database Systems
- Intelligent Computing
- Computer Graphics
- Multimedia Systems

### Bachelor Degrees

- Bachelor in Computer Science specializing in Computer Systems
- Bachelor in Computer Science specializing in Multimedia
- Bachelor in Computer Science specializing in Software Engineering and Information Systems
- Bachelor in Computer Science specializing in Communication Technology and Networks

### Diploma

- Diploma in Computer Science





“The rapid development and enormous potential of biotechnology and life science have greatly contributed to the fight against diseases and safeguard of health by mankind.”

Hu Xiaodi

# Faculty of Biotechnology & Biomolecular Sciences

The Faculty of Biotechnology and Biomolecular Sciences (BioTech UPM) is active in teaching, research, extension services and consultancy. All our experienced academic staff have PhDs and are equipped with deep scientific knowledge in their respective fields. With our dynamic team of 11 Professors, 14 Associate Professors and 15 lecturers, you are assured of a first-class learning environment.

BioTech UPM offers a wide range of expertise and facilities to support teaching and research as well as providing professional services in all fields of biotechnology. Currently, the Faculty offers 3 academic programmes at the Bachelor's degree level and 2 programmes at postgraduate level.

## Programmes Offered

### Postgraduate

- Masters of Science (MS) with thesis
- Doctor of Philosophy (PhD) with thesis

Postgraduate fields of study include 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 and Structural Biology.

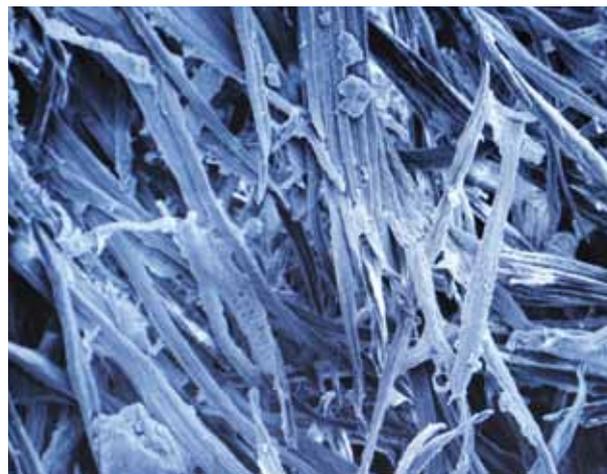
### Bachelor Degrees

- Bachelor of Science (Biotechnology)
- Bachelor of Science (Hons) Major in Biochemistry
- Bachelor of Science (Hons) Major in Microbiology

## Research Areas

BioTech UPM has 5 research groups :

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





# Faculty of Agriculture & Food Sciences

Universiti Putra Malaysia Bintulu Sarawak Campus (UPMKB) began its operation on 27th August 1987 with three centres of education: the Institute of Applied Science, the Institute of Basic Science and the Institute of Social Science and Management. Programmes offered then were Diploma in Agriculture, Diploma in Forestry, Diploma in Agricultural Business and Beginners Programme.

In 2005, the Faculty of Agriculture and Food Sciences became the only faculty to focus on agro-bio field such as agriculture, forestry, fishery, fishery, environment and social science (ethnic and society). The mission of the campus is to become a regional higher education centre that contributes toward intellectual, human resource and social-economic development. The realization of the mission is the development and offering of dynamic and competitive study programmes in agriculture and bio-resources. Substantial investments were made in building new facilities as to be able to perform significant Research and Development works, and produce multi-talented graduates.

## Departments

- Department of Crop Science
- Department of Forestry Science
- Department of Animal Science and Fishery
- Department of Basic Science and Engineering
- Department of Social Science

- Microbial Biotechnology
- Parks and Recreation Management
- Plant Pathology
- Wood Science and Technology
- Microbiology
- Plant Biotechnology
- Agricultural Economics
- Agribusiness

## Programmes Offered

### Postgraduate

- Agronomy
- Animal Production
- Aquatic Biology
- Aquaculture
- Aquatic Plant
- Analytical Chemistry
- Biochemistry
- Chemistry
- Entomology
- Environment Chemistry
- Forestry
- Forest Rehabilitation
- Forest Ecology
- Horticulture
- Land Resource Management
- Marine Ecology and Biology

### Bachelor Degree

- Bachelor in Bioindustry Science

### Diploma

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

## Research Focus

Agriculture, Fishery, Livestock, Nutrition, Forestry, Environment, Economics, Ethnic and Society, Marketing and Management.

“We shall never understand the natural environment until we see it as a living organism.”

**Paul Brooks**



# Faculty of Environmental Studies

**The Faculty of Environmental Studies, Universiti Putra Malaysia was established on 1st September 2004. The faculty developed from the Department of Environmental Sciences under the Faculty of Science and Environmental Studies.**

The Department of Environmental Sciences was established in August 1976 and falls under the Faculty of Science. With the entry of the new department, the Faculty of Science was renamed the Faculty of Science and Environmental Studies. The Bachelor of Environment programme was introduced in the same year. It was the first environment programme in Southeast Asia.

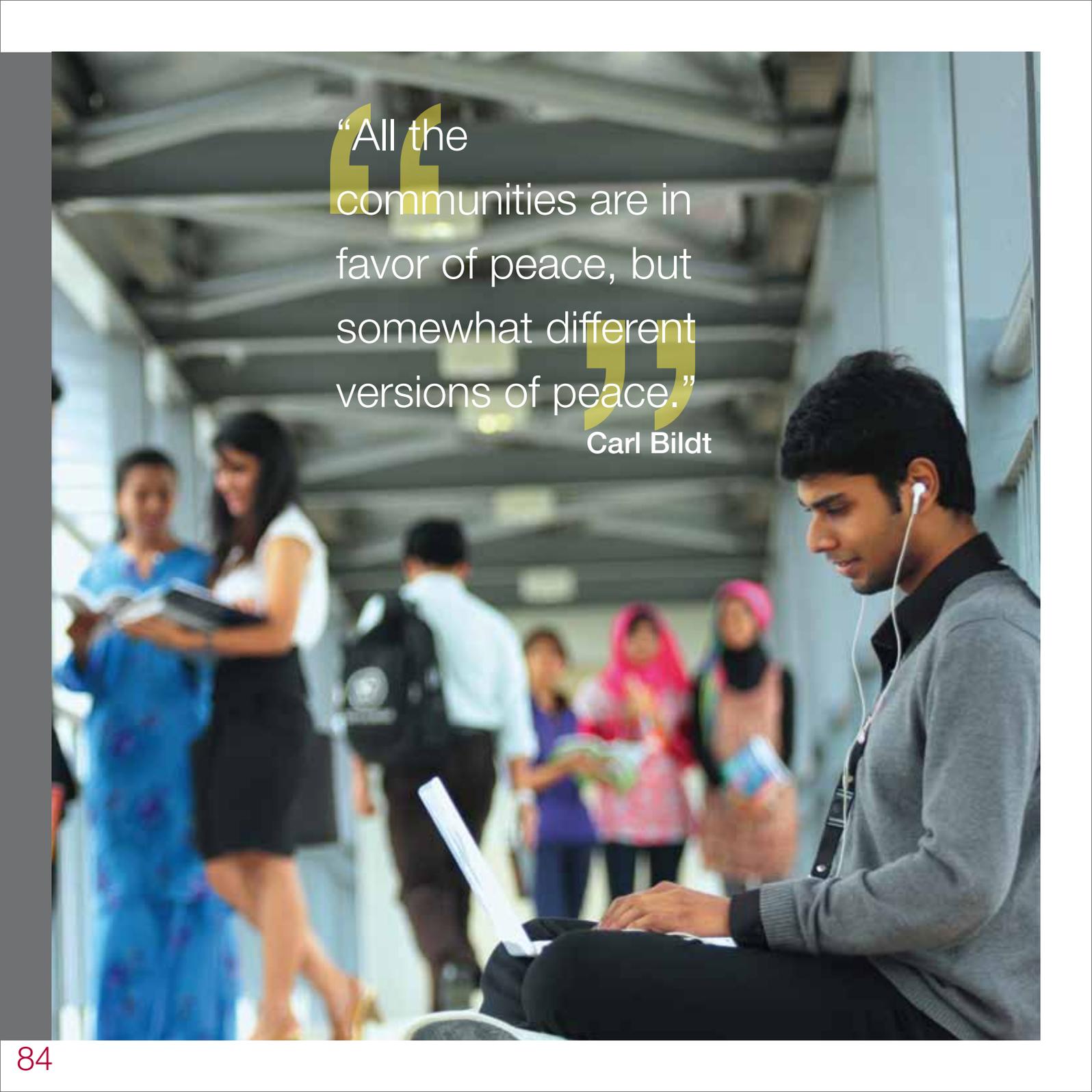
## Programmes Offered

- Doctor of Philosophy
- Master of Environment
- Master of Science
- Bachelor of Environmental Science and Technology
- Bachelor of Environmental Management

## Research Focus

In pursuing its mission of becoming a centre of excellence for education, research and professional services, the Faculty is endowed with well qualified and experienced academic and supporting staffs from various disciplines in the technology and management fields as well as eleven modern and well equipped research and teaching laboratories.

- Agro-environment and Climate Change
- Coastal and Marine Area Management
- Environmental Economics, Policy and Governance
- Environmental Ethics and Education
- Environmental Forensic and Health
- Environmental Hydrology and Hydrogeology
- Environmental Biodiversity and Sustainability
- Environmental Technology and Innovation
- Solid and Hazardous Waste Technology and Management



“All the  
communities are in  
favor of peace, but  
somewhat different  
versions of peace.”

Carl Bildt

# Institute for Social Science Studies (IPSAS)

The Institute for Social Science Studies was previously known as Institute for Community and Peace Studies (PEKKA) which was officially established on 1st January 2002. In tandem with the university's mission to be a leading centre for learning and research, our main goal is to be a driving force in human advancement and creation of knowledge which in turn, will assist in the creation of wealth and nation building.

In its efforts to enhance research excellence, the institute has been restructured to incorporate the cluster concept and a strong research thrust. Effective 1st July 2006, the institute has been renamed Institute for Social Science Studies (IPSAS). Besides embarking in research projects, the Institute also offers graduate study programmes at Master and Doctor of Philosophy (PhD) levels.

## Laboratories

- Rural Advancement and Agriculture Extension
- Social Change, Economy and Peace Studies
- Community Education and Youth Studies
- Cancer Education and Services

- MS and PhD in Youth Studies
- MS and PhD in Rural Advancement
- MS and PhD in Peace Studies
- MS and PhD in Health Education and Communication
- MS and PhD in Leadership Studies

## Research Programmes

- Community Education
- Youth Studies
- Rural Advancement
- Agricultural Extension
- Social Change and Economy
- Peace Studies
- Education and Health Communication
- Capacity and Institutional Building for Cancer Education

## Contact

Institute for Social Science Studies (IPSAS)  
Putra Infoport  
Universiti Putra Malaysia  
43400 UPM Serdang  
Selangor Darul Ehsan

Research / Graduate Studies  
Assoc. Prof. Dr. Bahaman Abu Samah  
Tel : 603-8947 1852  
Fax : 603-8947 1856  
Email : drbas@ace.upm.edu.my

## Graduate Study Programme

- MS and PhD in Community Education and Development

Consultancy and Public Relations Unit  
Nurul Akhtar Kamarudin  
Tel : 603-8947 1851  
Fax : 603-8947 1856  
Email : nurulakhtar@putra.upm.edu.my

[www.ipsas.upm.edu.my](http://www.ipsas.upm.edu.my)

$$\frac{\partial}{\partial \theta} \int_{R_n} f(x, \theta) dx = \int_{R_n} \frac{\partial}{\partial \theta} \pi(x) dx$$

$$\sigma^2(\xi_1) = \frac{(\xi_1 - a)^2}{\sigma^2} \quad f_{a, \sigma^2}(\xi_1) = \frac{1}{\sqrt{2\pi\sigma^2}}$$

$$\int f(x, \theta) dx = M \left( T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi, \theta) \right)$$

$$\int \left( \frac{\partial}{\partial \theta} \ln L(x, \theta) \right) \cdot f(x, \theta) dx = \int_{R_n} T(x) \left( \frac{\frac{\partial}{\partial \theta} L(x, \theta)}{L(x, \theta)} \right) dx$$

$$\int \frac{\partial}{\partial \theta} \pi(x) dx$$

# Institute for Mathematical Research

The Institute for Mathematical Research specializes in research in mathematics and other areas with major components in mathematics. Commencing operations on 1st April 2002, our main activities include planning, identifying and implementing research in Theoretical Studies, Computational Statistics and Operation Research, Computational Sciences and Informatics and Innovations in Mathematics Education.

The Institute also serves as a two-way conduit between the public and private agencies through which problems requiring mathematical solutions can be channeled and examined in depth. At the same time we also aggressively engage in collaborative research with agencies from inside 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. We are working towards being a world-class mathematics research institute in line with the national aspiration to be an advanced and progressive nation built on a foundation of sound knowledge.

## Laboratories

- Laboratory of Theoretical Studies
- Laboratory of Computational Sciences and Informatics
- Laboratory of Computational Statistics and Operation Research
- Laboratory of Innovations in Mathematics Education

- Mathematical and Computational Physics
- Statistical Modelling and Forecasting
- Computational Operations Research
- Computational Statistics and Inference
- Reliability Analysis
- Philosophy of Mathematics and Ethnomathematics
- Pedagogy in Mathematics Education
- Instructional Design and Technology in Mathematics
- Psychology of Teaching and Learning Mathematics

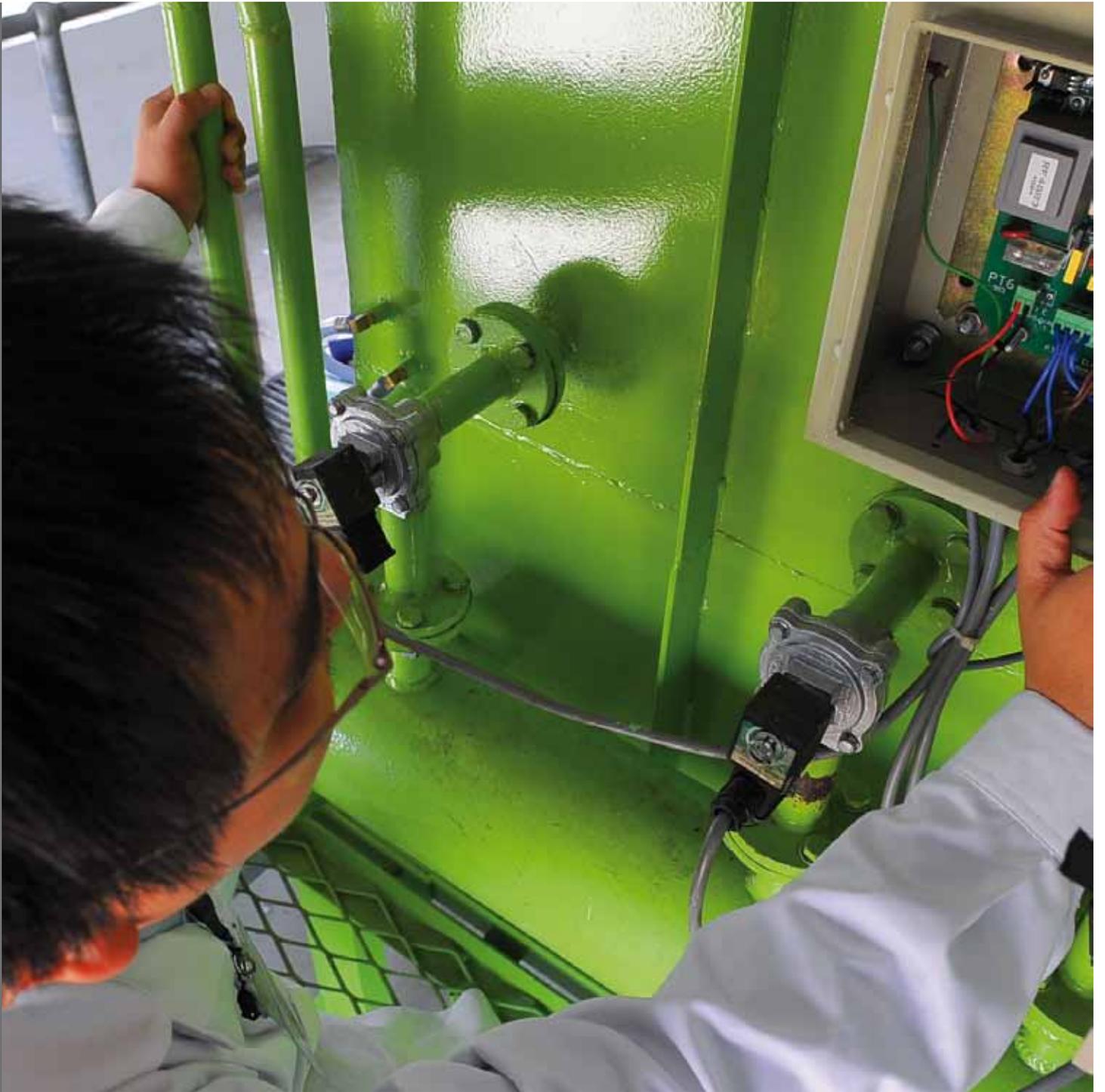
## Research Programmes

- Analytical Methods in Number Theory
- Mathematical Cryptography
- Structural Theory of Algebras
- Functional Analysis and Topology
- Wave Propagation
- Fluid Dynamics
- Computer Networks, High Performance Computing, Scientific Computing and Applications
- Mathematical and Computational Biology
- Numerical Analysis

## Contact

Director  
Institute for Mathematical Research  
Universiti Putra Malaysia  
43400 UPM Serdang  
Selangor Darul Ehsan, Malaysia  
Tel : 603-8946 6872  
Fax : 603-8942 3789  
Email : [kamel@putra.upm.edu.my](mailto:kamel@putra.upm.edu.my)

<http://einspem.upm.edu.my>



# Institute of Advanced Technology

The Institute of Advanced Technology (ITMA), Universiti Putra Malaysia was established in 1999 as a multidisciplinary research institute. ITMA provides leadership in research and development in frontiers of knowledge of Physical Sciences, Information Technology and Engineering. ITMA develops world-class research laboratories in niche areas of advanced technology, attracts renowned researchers and trains future research leaders in advanced technology. ITMA shares its research findings, expertise and facilities with research communities and industries throughout the world.

## Objectives

The Institute of Advanced Technology aims to be a leading institute of advanced research in Physical Sciences, Information Technology & Engineering. ITMA was established with the following objectives:

1. To undertake, coordinate and lead multidisciplinary research and development in cutting-edge technologies.
2. To offer postgraduate programmes at M.Sc and PhD to local and international students.
3. To develop as a center for dissemination of knowledge and innovative technologies and network with universities, laboratories and industries globally.

## Mission and Strategies

Conduct interdisciplinary research and development in cutting edge technologies

1. Establish world-class laboratories and acquire state-of-the-art facilities,
2. Pool highly trained research personnel, and
3. Create national and international linkages.

Offer international postgraduate programmes in niche areas

1. Determine and develop niche areas,

2. Facilitate enrollment of outstanding students through attractive scholarship, and
3. Establish a good research culture.

Disseminate knowledge and innovative technologies

1. Publish in reputable journals,
2. Maintain a global network, and
3. Offer consultancy services.

## Vision

The Institute of Advanced Technology shall be a leading world-class research institute working at the frontiers of knowledge and technology for the service of mankind and the environment.

## Contact

Director  
 Institute for Advanced Technology  
 Universiti Putra Malaysia  
 43400 UPM Serdang  
 Selangor Darul Ehsan, Malaysia  
 Tel : 603-8946 7533 / 35  
 Fax : 603-8656 6061  
 Email : admin\_itma@putra.upm.edu.my

# Institute of Agricultural & Food Policy Studies

The Institute of Agricultural and Food Policy Studies or Institut Kajian Dasar Pertanian dan Makanan (IKDPM) was established in June 2005. It aims to be the leading centre of excellence in agricultural and food policy research in the country as well as in the region. Through this institute, UPM hopes to contribute effectively to the sustainable agricultural development of the country by providing policy options that are based on analytical and empirical research to the policy makers and relevant agencies.

Its core activities are research, consultancies and public service with the following objectives:

- To analyse the impact of macro policy changes, both national and global, on the agriculture and food sector;
- To provide policy options for major problems constraining the agriculture and food sector; and
- To identify and analyse current and future issues in agriculture, food and natural resources.

## Laboratories

- Bio-resource and Environmental Policy Laboratory
- Marketing and Trade Policy Laboratory
- Production and Processing Policy Laboratory
- Agribusiness and Management Policy Laboratory

## Research Programmes

- Fisheries Economics
- Co-fisheries Management
- Supply Chain
- Agricultural Commodity Modelling
- Agricultural Cooperatives
- Export Competitiveness
- Agricultural and Food Price Analysis
- Agricultural Productivity
- Production Economics
- The Economics of Subsidies

## Contact

Director  
 Institute of Agricultural and Food Policy Studies  
 Putra Infoport, Universiti Putra Malaysia  
 43400 UPM Serdang  
 Selangor Darul Ehsan  
 Tel: 603-8947 1076 (General Office)  
 Fax: 603-8947 1077  
 Email: [ikdpm@putra.upm.edu.my](mailto:ikdpm@putra.upm.edu.my)



# Institute for Bioscience

Institute of Bioscience (IBS) is a premier research centre in the field of life and medical sciences, and biotechnology, conducting high impact and competitive research to generate new knowledge and create wealth for nation building.

A decade of developments has witnessed IBS excellence with numerous awards and recognitions and for its pivotal role in multidisciplinary, market driven and top down projects both locally and internationally. Combining the strength of highly productive researchers with the constant efforts in the enhancement of infrastructure, facilities and equipment, IBS continuously produces not only highly qualified human resources but also many novel inventions and innovations of various fields ranging from molecular biomedicine, cancer, natural products and industrial biotechnology to aquaculture and marine sciences.

## Laboratories

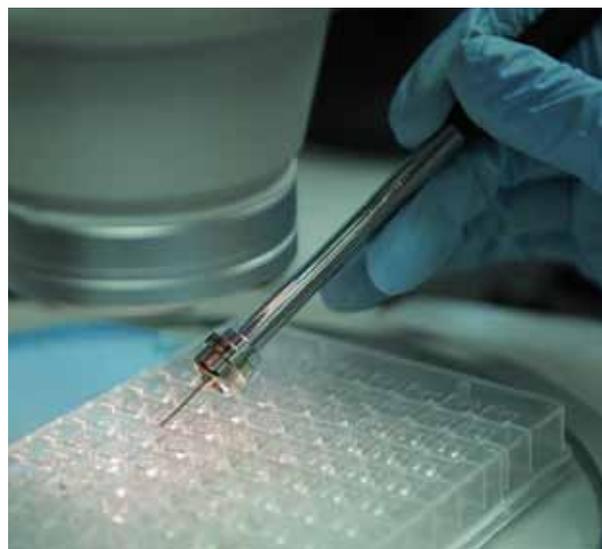
- Laboratory of Natural Products (LHS)
- Laboratory of Molecular Biomedicine (MOLEMED)
- Laboratory of Industrial Biotechnology (BIOIND)
- Laboratory of Marine Science and Aquaculture (MARSLAB)
- Laboratory of Cancer Research UPM-MAKNA (CANRES)

## Research Programmes

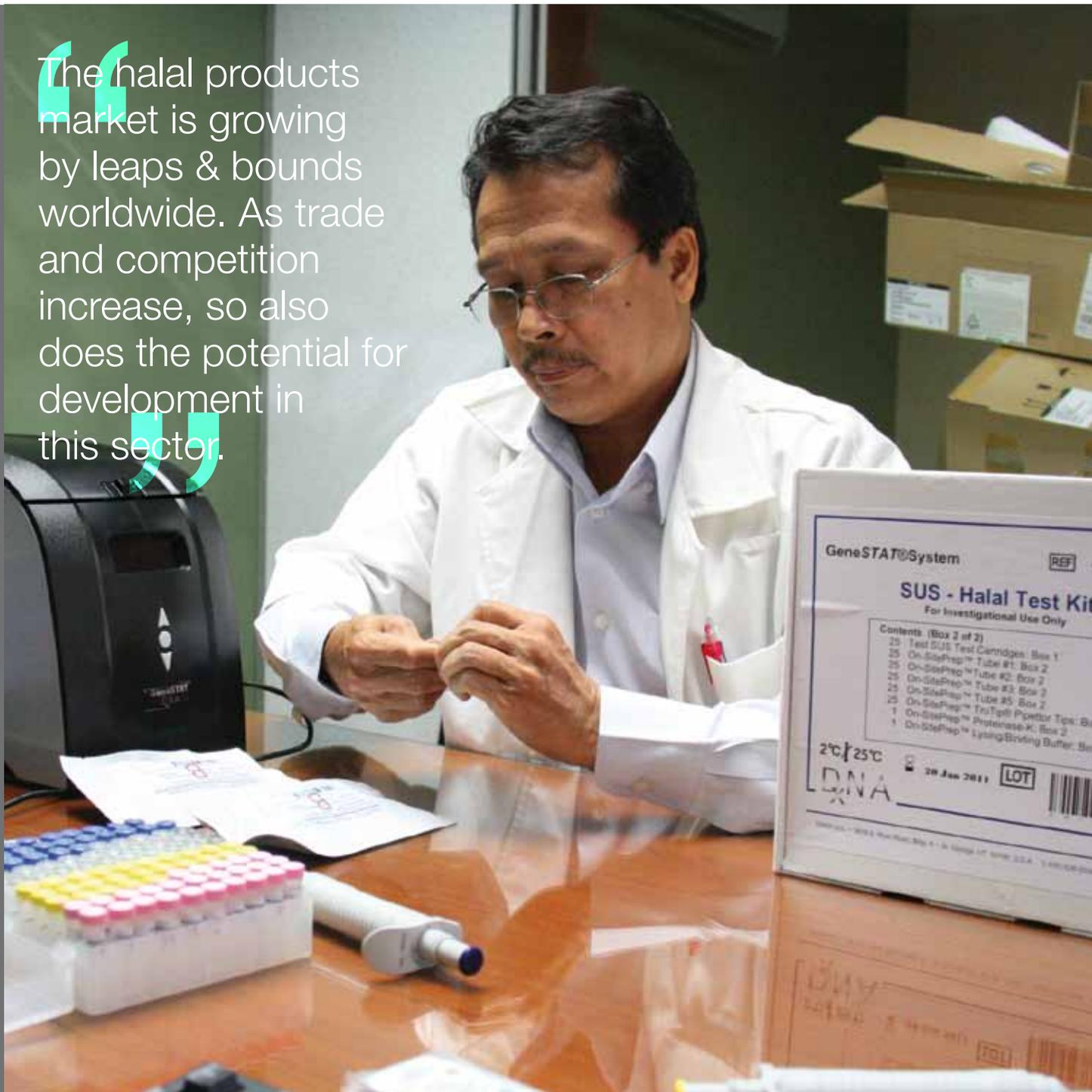
- Medicinal Metabolomics
- Drug Discovery
- Plant Metabolite Engineering
- Nutraceuticals & Nutrigenomics
- Biodiagnostic Technology
- Immunotherapeutic and Vaccine Technology
- Nano-Delivery Research
- Cancer Drug Development
- Cancer Intervention
- Cancer Genetics
- Livestock Microbial Technology
- Industrial Enzyme Development
- Tropical Bioresource Technology
- Biosensor
- Marine Bioproduction Technology
- Ecosystem Health
- Aquaculture Biotechnology

## Contact

Prof. Dr. Fatimah Md. Yusoff  
 Director,  
 Institute of Bioscience,  
 Universiti Putra Malaysia,  
 43400 UPM Serdang,  
 Selangor, Malaysia.  
 Tel: 603-8947 2111  
 Fax: 603-8947 2101  
 E-mail: fatimah@ibs.upm.edu.my



“The halal products market is growing by leaps & bounds worldwide. As trade and competition increase, so also does the potential for development in this sector.”



# Halal Products Research Institute

The halal products market is growing by leaps and bounds worldwide. As trade and competition increase, so does the potential for development in this sector. The global market value for trade in halal products is estimated at USD\$3.1 trillion annually, mostly catering to about 2 billion Muslims, 60% of whom are located in Asia. With steady increase in the Muslim population, it is foreseen that the demand for halal products will be immensed.

The Halal Products Research Institute was established on 1st July 2006 to enable concerted efforts into the research and development of halal products. It is a one-stop-centre utilising multiple, integrated approaches aimed at taking the halal products to international level. The industry is huge, covering from food-based products, consumer products, cosmetics, toiletries, nutraceuticals to pharmaceuticals.

It also extends to the areas of business, covering banking, marketing and management. As we strive towards being the centre of excellence in halal products research and professional services, the Institute is taking the lead in building Malaysia into a global halal hub.

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

## Research Areas

- Food – raw and processed food
- Non-food – consumer products, cosmetic, toiletries, pharmaceuticals, nutraceuticals, leather etc.
- Islamic business – banking, marketing, management, insurance and investment.
- Shariah & Law – legal framework, development of Islamic principle, fatwa.

## Contact

Halal Products Research Institute  
Universiti Putra Malaysia,  
43400 UPM Serdang, Selangor  
Tel : 603-8941 7344/7434/7971  
Fax : 603-8943 9745  
Email : halal@putra.upm.edu.my



# Institute of Tropical Agriculture

The Institute of Tropical Agriculture was established on 1st January 2007 through the merging of various institutes, one of which was the Institute of Plantation Studies. As part of a varsity-wide policy, we had also undergone positive restructuring and rationalization to implement proactive and integrated efforts to reinforce UPM's status as a leading research university. With the restructuring, six new research clusters were identified: Agriculture, Food, Forestry and Environment, Health, Social Science and Science, as well as Engineering and Technology. For each cluster, eight specific research thrusts were further categorized. Three of the eight identified thrusts, namely, Food Crop Production, Plantation Crop and Animal Production fall under the Institute's research focus.

## Laboratories

- Laboratory of Plantation Crop
- Laboratory of Food Crops and Floriculture
- Laboratory of Animal Production

## Research Programmes

- Biotechnology for yield improvement
- Biointensive disease management
- New oil crops
- Protected Environment Agriculture
- Water and Nutrient Efficiency in Food Crop Production
- Integrated Fruit Production
- Animal Biotechnology and Molecular Biology
- Animal Nutrition and Feed Technology
- Animal Production Systems

## Contact

Institute Of Tropical Agriculture  
Universiti Putra Malaysia  
43400 UPM, Serdang,  
Selangor Darul Ehsan  
Tel : 603-8946 8967  
Fax : 603-8946 8968  
Email : zulkifli@agri.upm.edu.my

“It’s like a revolution. It’s a new way of thinking about how you do forestry. It’s about approaching business with a conservation motive upfront, instead of an industrial approach to the forest.”

**Merran Smith**



# Institute of Tropical Forestry & Forest Products

The Institute of Tropical Forestry and Forest Products came into fruition on 1st October 2006, merging the Institute of Tropical Biocomposite and Rainforest Academy into a single entity. This new institute will be the foremost reference centre in Malaysia and the tropical regions for Tropical Biocomposites and Forest Canopy Management. Through our programmes, we will be the perfect incubation place to nurture dynamic graduates in this exciting field.

## Laboratories

- Laboratory of Sustainable Bioresource Management
- Laboratory of Biocomposite Technology
- Laboratory of Biopolymer and Derivatives
- Laboratory of Techno Economics and Policy

## Research Programmes

- Science Canopy
- Bioresources, Screening and Plantation
- Sustainable Forest Management
- Eco-tourism
- Hybrid Biocomposites
- Conventional Biocomposites
- Bioresources Processing Technology
- Biocomposite Product Design
- Biopolymer
- Pulp and Paper Technology
- Pollution Control
- Ecosystem Services
- Techno Economics
- Environmental Economic Valuation and Accounting
- Forestry and Timber Industry Policy

## Contact

Director  
Institute of Tropical Forestry and Forest Products (INTROP)  
Universiti Putra Malaysia  
43400 UPM Serdang  
Selangor Darul Ehsan, Malaysia  
Tel : 603-8946 6977  
Fax : 603-8946 7231  
Email : [parida\\_introb@yahoo.com/](mailto:parida_introb@yahoo.com)  
[parida@putra.upm.edu.my](mailto:parida@putra.upm.edu.my)





# Institute of Gerontology

The Institute of Gerontology (IG), established on 1st April 2002, is primarily a research-driven entity focusing on old age and ageing in Malaysia. Since its inception, the Institute has secured research and consultancy grants from various local and international bodies such as the Ministry of Science, Technology and Innovation (MOSTI), the Ministry of Women, Family and Community Development (MWFCD), the United Nations Population Fund (UNFPA) and the World Health Organization (WHO).

IG has also developed collaborative linkages with global partners like the United Nations International Institute on Ageing (INIA), Malta and the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP), 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 our graduate studies programme in gerontology, IG aims to nurture a new generation of researchers in the field of old age and ageing.

The Institute, in line with the vision and mission of Universiti Putra Malaysia, has set its sights to be a regional and international centre of excellence in gerontological research, education and professional services.

## Laboratories

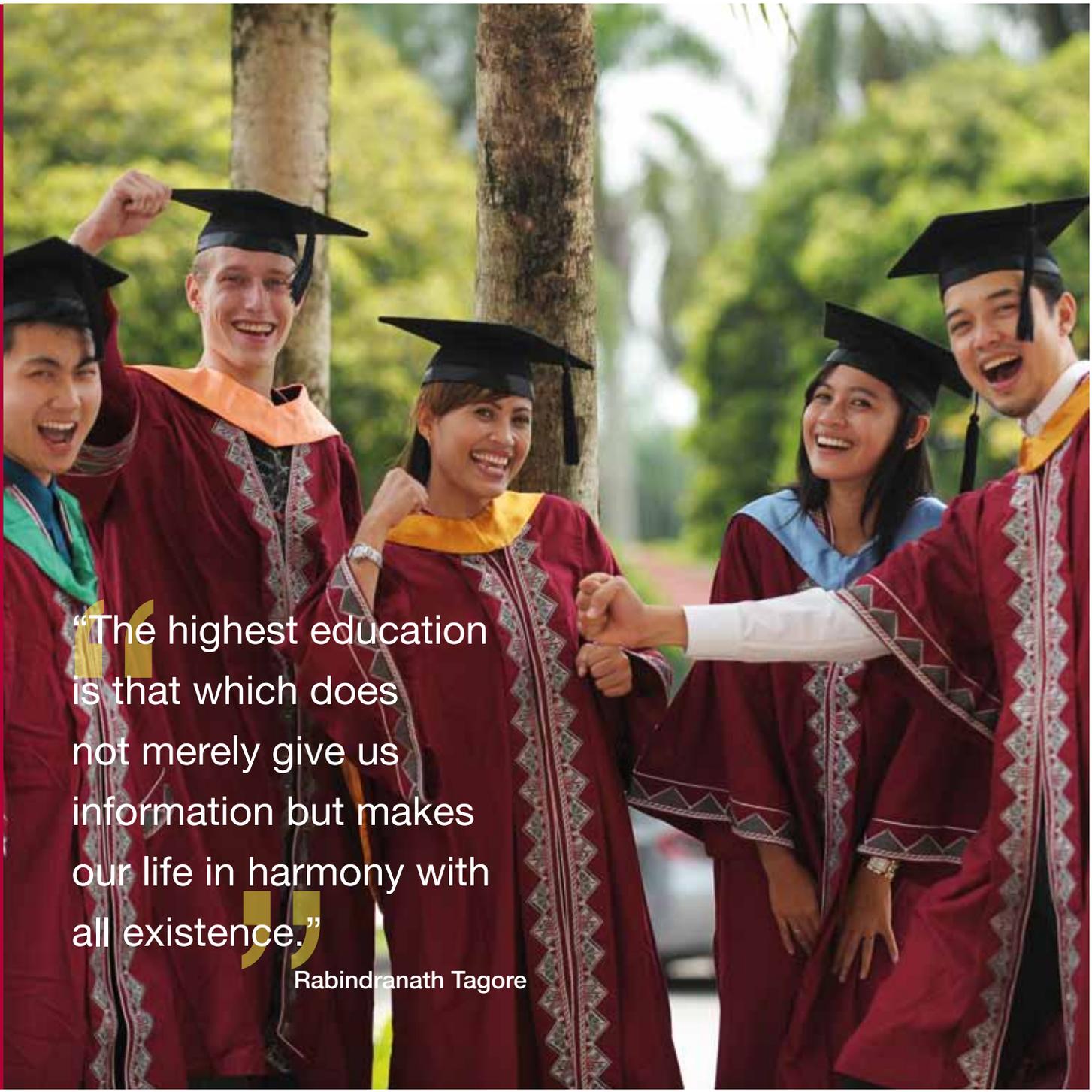
- Laboratory of Social Gerontology
- Laboratory of Medical Gerontology
- Laboratory of Gerontechnology

## Research Programmes/ Niche Areas

- Investing in Old Age
- Disability
- Assistive Technology/Living Environment

## Contact

Director, Institute of Gerontology  
Institute of Gerontology,  
43400 UPM, Serdang, Selangor Darul Ehsan.  
Tel : 603-8947 2750/2751  
Fax : 603-8947 2738/2748  
Email: [pengarah\\_ig@putra.upm.edu.my](mailto:pengarah_ig@putra.upm.edu.my)



“The highest education is that which does not merely give us information but makes our life in harmony with all existence.”

Rabindranath Tagore

# School of Graduate Studies

The Graduate School was formally established on February 9, 1993 and was granted the status equivalent of the Faculty in UPM. With its establishment, the Graduate School coordinates all postgraduate studies of the university.

UPM's School of Graduate Studies is a prestigious institution, rich in heritage of knowledge and research, which offers more than 400 fields of studies. We provide a balanced academic programme to our Master Degree and Doctoral Degree graduate students.

## Admission Requirements:

### Master Degree Programme

- (i) An applicant with a good scholastic achievement in the Bachelor degree or its equivalent (subject to specific programme requirements).
- (ii) An applicant without sufficient academic qualification but possessing evidence of adequate related research or work experience may also apply for admission.
- (iii) 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

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

### Language Requirement

- (i) A Malaysian candidate must have obtained at least a credit in English at Sijil Pelajaran Malaysia level or have passed English courses conducted at the Diploma or Bachelor's level.
- (ii) 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.
- (iii) Provisional admission may be granted to an 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 enrol and pass the Tertiary English Programme conducted by the University. An applicant with a TOEFL score lower than 500 or IELTS lower than Band 5.5 shall not be considered for admission. An applicant with a degree from any Malaysian public university who has fulfilled the English

requirement for that degree shall be exempted from such a requirement.

## Graduate Programmes

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

- (i) Degree with Thesis - PhD and Master.
- (ii) Degree without Thesis (Coursework) Master only.

### Master or PhD Degree with Thesis

- (i) Students pursuing the Master or PhD degree with thesis shall:
  - (a) complete a minimum of 9 credits (Master Degree programme) and a minimum of 12 credits (PhD Degree programme) of course work;
  - (b) submit a thesis for examination at the end of the programme; and
  - (c) comply with the specific requirements of the relevant graduate programme, if any.

### Master Degree without Thesis

- (i) Students pursuing the Master degree without thesis shall fulfil a minimum of 40 credits of course work.
- (ii) The submission of a thesis is not a requirement but a student may be required to:
  - (a) submit a project report or case study equivalent to 4 - 6 credits; or
  - (b) in case of certain programmes where a project or case study is not required, a student is required to register additional courses to fulfil the requirement of 40 credits and pass a Comprehensive Examination which adheres to the following rules:
    - (1) a Comprehensive Examination shall be conducted at the end of the final semester.
    - (2) a student will be given two opportunities to pass the examination.
    - (3) the second examination (if necessary) must be taken within sixty (60) days after the first examination.
    - (4) failure on the second attempt will result in termination of his candidature.

“The one thing we can do is invest in the quality of education, especially higher education.”

Ron Kind



# Field of Study Offered at Faculties / Institutes (Master and PhD Programmes [with thesis]- Research)

## Faculty of 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 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 Science
- Pest Management
- Pesticide Toxicology
- Plant Pathology
- Plantation Management Science
- Precision Agriculture
- Seed Science and Technology
- Soil Conservation and Water Management
- Soil Fertility and Plant Nutrition
- Soil Science
- Vertebrate Pest
- Weed Science

## Faculty of Agriculture And Food Science (Bintulu Sarawak Campus)

- Agronomy
- Analytical Chemistry
- Aquaculture
- Aquatic Biology
- Chemistry
- Entomology
- Environment Chemistry

- Forestry
- Horticulture
- Land Resource Management
- Marine Ecology and Biology
- Microbial Biotechnology
- Microbiology
- Plant Biotechnology
- Plant Pathology

## Faculty of Biotechnology And Biomolecular Sciences

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

## Faculty of Computer Science And Information Technology

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

## Faculty of Design And Architecture

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

## Faculty of Economics And Management

- Economics
- Hospitality
- Tourism

## Faculty of Educational Studies

- Curriculum and Instruction
- Educational Administration
- Educational Psychology
- Educational Technology
- Extension Education
- Guidance and Counselling
- Human Resource Development
- Moral Education
- Pedagogy
- 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

## Faculty of Engineering

- Aerospace Engineering
- Agricultural Mechanisation and Automation
- Agricultural Process Engineering
- Agricultural Waste Engineering
- Biochemical Engineering
- Bioprocess Engineering
- Communication and Networks Engineering
- Computational Methods in Engineering
- Computer Systems Engineering
- Control and Automation Engineering
- Electrical Power Engineering
- Electronic Engineering
- Embedded Systems and Artificial Intelligence Engineering
- Environmental Engineering
- Farm Structures
- Food Engineering

- Geotechnical and Geological Engineering
- Highway and Transportation Engineering
- Industrial Engineering
- Instrumentation Engineering
- Manufacturing Systems Engineering
- Material Science and Engineering
- Materials Engineering
- Mechanical Engineering
- Multimedia System Engineering
- Packaging Engineering
- Photonic and Fiber Optic Systems Engineering
- Post Harvest Engineering
- Process Engineering
- Project Management
- Safety and Emergency Management
- Safety, Health and Environment
- Sanitary and Environmental Engineering
- Soil and Water Engineering
- Structural Engineering
- Water Resources Engineering
- Wireless Communications Engineering

#### **Faculty of Environmental Studies**

- Environmental Analysis and Modeling
- 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 Freshwater Ecosystem

#### **Faculty of Food Science And Technology**

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

#### **Faculty of Forestry**

- Forestry
- Parks and Recreation Management
- Wood Science and Technology

#### **Faculty of Human Ecology**

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

#### **Faculty of Medicine And Health Sciences**

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

#### **Faculty of Modern Languages And Communication**

- Arabic Language
- Chinese Literature
- Communication
- English Language
- English Literature
- Malay Language
- Malay Literature

#### **Faculty of 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 Design
- 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 Optimization
- Stochastics Process
- Superconductors
- Survival Analysis
- Synthesis
- Theoretical Physics
- Time Series and Spatial Analysis
- Ultrasonics

#### **Faculty of 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 & Cytogenetics
- Toxicology
- Virology
- Wildlife Health

#### **Halal Products Research Institute**

- Halal Food Analysis
- Halal Food Management

#### **Institute For Mathematical Research**

- Analytical Method in Number Theory
- Chromaticity of Graph
- Computational and Mathematical Biology
- Computational Mathematics
- Fluid Dynamics
- High Performance Computing and Distributed Computing
- Instructional Design and Technology in Mathematics
- Mathematical Cryptography
- Network Theory and Application
- Numerical Analysis
- Pedagogy in Mathematics Education
- Philosophy of Mathematics and Ethnomathematics
- Psychology of Teaching and Learning Mathematics
- Quantum Information Science
- Reliability Analysis
- Scientific Computing and Applications
- Statistical Computation and Inference
- Statistical Modeling and Forecasting

- Structural Theory of Algebras
- Wave Propagation

#### **Institute For Social Science Studies**

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

#### **Institute of Advanced Technology**

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

#### **Institute of Agricultural And Food Policy Studies**

- Agriculture Development Policy
- Natural Resources Development Policy

#### **Institute of Bioscience**

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

- Protein Engineering
- Toxicology
- Vaccine Technology

#### **Institute of Gerontology**

- Gerontechnology
- Gerontology
- Social Gerontology

#### **Institute of Tropical Agriculture**

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

#### **Institute of Tropical Forestry And Forest Product**

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



# Graduate School of Management

Established in 1997 and was officially launched as Malaysia's Top Business School in 2008, UPM's Graduate School of Management (GSM) specialises in postgraduate education and training in the field of business management. GSM's vision is to be a leading Business School fulfilling global expectation. We are ranked number 1 in Malaysia, 11th in the Best Asia and Oceania MBA programmes and 9th in ASIA by ASIA Ranking of Best MBA Programmes Directory (2007).

Currently we have over 500 students, taught by more than 25 full-time veteran academics and part-time professionals. Ours is a student-centered learning pedagogy, with three major learning philosophies: to provide a challenging and beneficial learning experience, to foster close relationship with the industries and to encourage global perspectives in business management. Our programmes offer synergistic balance of theory and practice in a real-life business environment.

## Programmes Offered

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

### MASTER OF BUSINESS ADMINISTRATION (MBA)

The MBA programme provides students with essential business and management skills to make effective and efficient decisions, and to adapt to rapidly changing environments. Students can specialize in any of the following:

- Finance
- Marketing
- Human Resource Management
- International Business
- General Management
- Corporate Governance/GradI/CSA
- Environmental Management
- Agricultural Management
- Food Science and Technology
- Biotechnology

As GSM's most popular programme, the MBA programme garners the highest number of student intake each trimester. It is designed with several unique features:

### 1. High Credit Hours

Student are required to complete a total of 48 credit hours compared to an average of only 30-36 credit hours required by most other MBA programmes. The additional credit hours requirement allows them to gain more in-depth knowledge and to have more contact hours with their lectures.

### 2. Evening Classes for Working Executives

Starting at 6.30 pm and ending at 9.30 pm, our evening classes allow working executives the opportunity to pursue their MBA without leaving their job. Classes are conducted three times a week on weekdays.

### 3. Problem Based Learning (PBL)

PBL is one of the learning and teaching methods adopted by medical schools many years ago. GSM is a pioneer in PBL for management studies in Malaysia, designed to enhance student's critical thinking and problem-solving skill. The research element in PBL teaches one to be responsible for one's own learning, a prerequisite for inculcating a lifelong learning culture. Through PBL, students are taught teamwork which is crucial for workplace success. PBL also develops students' public speaking and communication skills.

### 4. GSM Corporate Strategy Simulation (GCSS) Game

The GSM Corporate Strategy Simulation (GCSS) Game is an experiential component of the strategic management course. It is a 3-day outdoor experiential learning programme conducted usually in the jungle vicinity. Students participate in specially designed "corporate-simulation" games and other challenging activities, informally known as war games, where they learn to formulate survival strategies in a competitive "jungle-like" environment. With these, students are equipped with the essential skills to plan and formulate rational strategies for their future organizations.

Underlying all these features is GSM's philosophy of providing a learning environment that mimics the real world in shaping thinking managers and leaders with soul.

### MBA CORPORATE GOVERNANCE

This new MBA Corporate Governance Programme provides students with an integrated knowledge on the essential aspects of management with corporate governance as a specialization. You will be taught the theories and practices of corporate governance, with emphasis on transparency, accountability,

integrity and professionalism. GSM collaborates with the Malaysian Institute of Chartered Secretaries and Administrators (MAICSA) to offer this programme so that graduates will not only have an MBA degree but will also be awarded the Graduate ICOSA status by MAICSA. This collaboration ensures that students will benefit from the academic and professional expertise of both institutions.

With this programme, GSM helps to produce skilled graduates to contribute to the development of the corporate sector in general and the Chartered Secretarial profession in particular. Through this programme, GSM plays a direct role in enhancing the image of Malaysian Corporations in governance at local and international levels.

### **MASTER OF MANAGEMENT (MM)**

The Master of Management (Information Technology) is designed for those involved in the information technology industry and wants to further their career in technical and business management. It is also for those who aspire to be successful managers in IT and knowledge management. Students are required to complete 7 core courses and 5 elective courses with a total of 36 credit hours. Upon completion they are required to sit for a comprehensive written examination.

### **MASTER OF SCIENCE (MS)**

The Master of Science programme is designed for individuals who want to pursue advanced research with immediate relevance to business and management, especially those who aspire to become researchers, academicians and consultants. The MS requires the successful completion of coursework, 4 elective courses in the area of specialization, proposal defense and thesis. They can choose from one of the following areas of specialisation:

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

Candidate must publicly present and defend their MS research (thesis) proposals. Only those who have met the requirements of the proposal defenses are allowed to proceed with their research. The thesis preparation includes data collection, data analysis and report writing.

### **DOCTOR OF PHILISOPHY (PHD)**

The PhD programme is designed to enhance candidates' competence in advanced research methods in a specific area of management or business administration. Research project must be original for the development of new knowledge. This

programme offers the following specialisations:

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

### **THE NEW TUITION FEES AND DURATION OF STUDY**

1. The Master of Business Administration (MBA) programme is offered on a full-time and part-time basis.

#### **Morning Classes (Full-Time)**

Classes are held on weekdays from 9.00 a.m to 12.00 noon and on Saturday from 2.30 p.m to 5.30 p.m.

#### **Evening Classes (Part-Time)**

Classes are held in the evenings on weekdays from 6.30 p.m to 9.30 p.m and on Saturdays between 2.30 p.m to 5.30 p.m.

#### **Duration of Study**

12 months (Full-Time 1 Year MBA)

16 months or 4 Trimesters (Morning Classes – Full-Time)

24 months or 6 Trimesters (Evening Classes – Part-Time)

#### **Tuition Fees**

RM 24,000 / USD 6,997 (Malaysian Students)

RM 38,400 / USD 11,195 (International Students)

For Corporate Governance specialization:

Each student has to pay an additional fee of RM2, 000.00 for MAICSA registration.

2. The Master of Management (MM) programme is offered on a part-time basis.

#### **Evening Classes (Part-Time)**

Classes are held in the evenings on weekdays from 6.30 p.m to 9.30 p.m and on Saturdays between 2.30 p.m to 5.30 p.m. The average period of study is 4 trimester (1 years).

#### **Tuition Fees**

RM 18,000 / USD 5,248 (Malaysian Students)

RM 28,800 / USD 8,397 (International Students)

3. The Master of Science (MS) and Doctor of Philosophy (PhD) programmes are offered both full-time and part-time.

All classes are held in the evenings on weekdays from 6.30 p.m to 9.30 p.m and on Saturday from 2.30 p.m to 5.30 p.m.

**MS**

Total fees for 2 years of study (6 trimesters)  
 RM 19,000 / USD 5,539 (Malaysian Students)  
 RM 26,500 / USD 7,726 (International Students)

Total fees for 3 years of study (9 trimesters)  
 RM 24,000 / USD 6,997 (Malaysian Students)  
 RM 38,400 / USD 11,195 (International Students)

**PhD**

Total fees for 3 years of study (6 semesters)  
 RM 30,000 / USD 8,746 (Malaysian Students)  
 RM 42,000 / USD 12,245 (International Students)

Total fees for 5 years of study (10 semesters)  
 RM 42,000 / USD 12,245 (Malaysian Students)  
 RM 62,000 / USD 18,076 (International Students)

**ENTRY REQUIREMENTS**

GSM postgraduate programmes require a minimum standard of academic and technical qualification as well as minimum years of working experience. For example, for the MBA programme, candidates must have a CGPA at least 2.75. For CGPA between 2.74 and 2.50 at least 5 years working experience at the middle management level of a public company or a government agency is required. International applicants are required to have an Honours Degree from universities recognized by UPM's Senate, with a CGPA of at least 2.75. Applicants must also obtain a minimum score of 550 for TOEFL or band 6 for IELTS.

**CONTACT DETAILS**

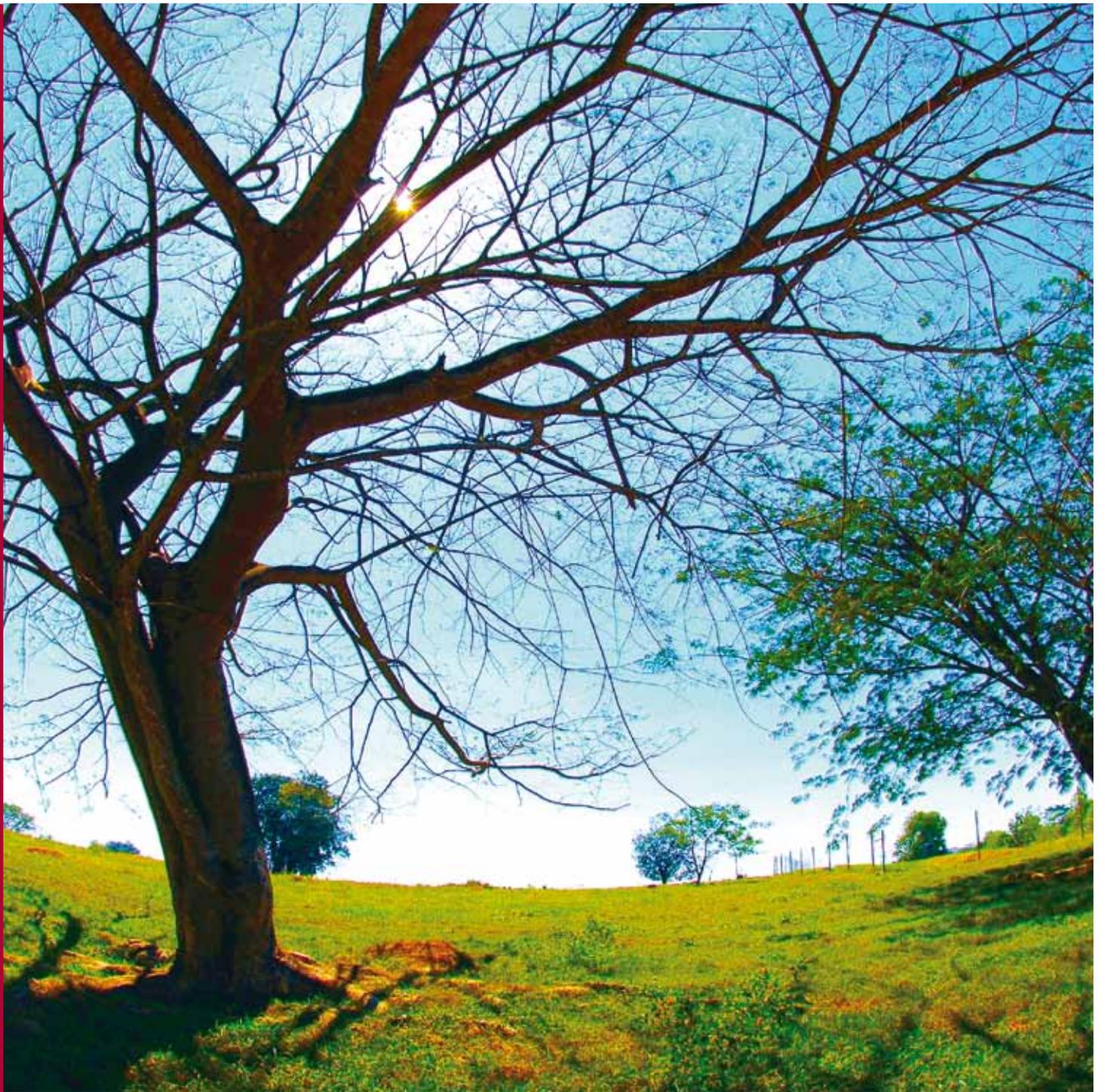
Information on GSM, programmes, admission and application, service and resources, staff and faculty members can be obtained from the website [www.gsm.upm.edu.my](http://www.gsm.upm.edu.my).

For any queries or further information, please contact 03-89467440/ 7441 or visit <http://www.gsm.upm.edu.my>.



“There are three principal means of acquiring knowledge; observation of nature, reflection, and experimentation. Observation collects facts; reflection combines them; experimentation verifies the result of that combination.”

**Denis Diderot**







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