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UNIVERSITI PUTRA MALAYSIA | Prospectus 2016 - 2017



MALAYSIA'S TOP MOST INNOVATIVE UNIVERSITY



PROSPECTUS '16-'17

AGRICULTURE • INNOVATION • LIFE

www.upm.edu.my





AGRICULTURE • INNOVATION • LIFE

WHY



UPM



WE'RE IN THE TOP 1 PER CENT OF UNIVERSITIES
WORLDWIDE AND WE'RE AIMING HIGHER EVERYDAY...

270th **QS**
WORLD UNIVERSITY
RANKINGS 2016

49th **QS**
ASIAN UNIVERSITY
RANKINGS 2016

17th **QS**
TOP 50 UNDER 50



TOP 200

15 SUBJECTS RANKED TOP 200
UNIVERSITIES IN THE WORLD



42nd

IN THE WORLD

U.S NEWS & WORLD REPORT : BEST
GLOBAL UNIVERSITIES FOR
AGRICULTURAL SCIENCES



REUTERS

TOP 75

ASIA'S MOST INNOVATIVE
UNIVERSITIES

1# MALAYSIA 3#SOUTHEAST ASIA 73# ASIA



67

RANKED 67th IN THE WORLD
FOR AGRICULTURAL
SCIENCES - NTU RANKING



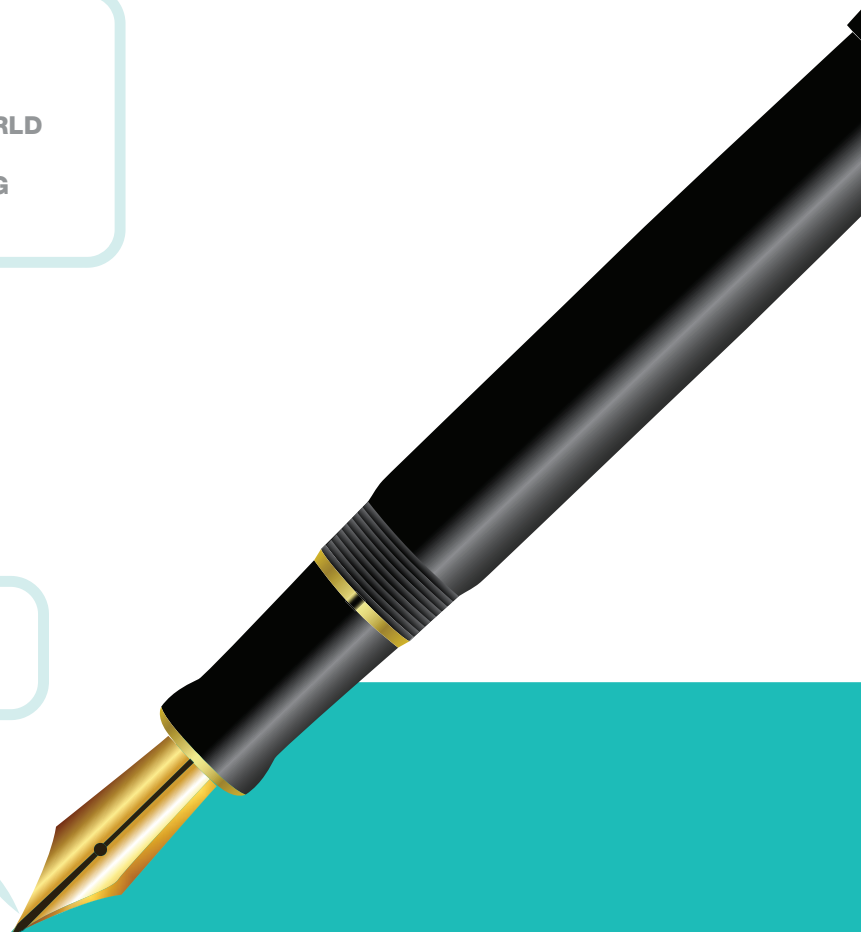
34

RANKED 34th IN
THE WORLD AND
4th IN ASIA



TOP 100

BRICS & EMERGING ECONOMIES
RANKINGS 2017



Malaysia is a beautiful and peaceful country that promises you an enriching and exhilarating living and studying experience.

Malaysia comprises of two regions – Peninsular Malaysia or West Malaysia and East Malaysia located on the island of Borneo - which are separated by the South China Sea. It is unique when it comes to the diversity of its people, for here, the Malays, Chinese, Indians, Ibans, Kadazans and other ethnic groups live in harmony as Malaysians. Even though they are made up of people of different races and faiths speaking a variety of languages, Malaysians practice a great deal of respect and acceptance towards each other which ensures peace and stability that is enduring and meaningful. The multiculturalism that is distinct to Malaysia has also made it home to several colourful festivals which are celebrated grandly throughout the year.

Known for their warm and friendly nature, Malaysians will make your stay with them and share their lives together, an experience that you will cherish forever. Despite being a rapidly developing nation, Malaysia maintains a wonderful cultural balance between modern living and long entrenched traditions, even in a bustling metropolis like Kuala Lumpur. The country's towering modern skyscrapers distinctly contrast with the quaint, traditional wooden houses built on stilts that are found in the numerous villages, located in the rural areas across the country. Experience the best of both worlds when you choose to pursue your education in this enchanting and exotic country of more than 30 million people

The country experiences a tropical climate with year round temperatures ranging from 21°C (70°F) to 32°C (90°F). Bahasa Melayu or Malay is the national language, but English is widely spoken by almost all Malaysians. A fast developing nation, Malaysia has some of the best infrastructure facilities in Asia including ultra-modern airports, huge seaports and multi-lane highways and intercity rail service to provide easy connectivity and access. It is also blessed with a vibrant economy that has made the country an industrial and commercial powerhouse in South-East Asia.

The busy cities and idyllic villages, combined with the miles of beautiful beaches, emerald islands and verdant forests teeming with myriads of fauna and flora, altogether make the country a learning experience in itself that is unmatched anywhere.

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

STUDY ABROAD IN MALAYSIA AND FEEL AT HOME IN UPM



2013/14 & 2015/16

**KUALA LUMPUR ONCE
AGAIN VOTED THE
MOST AFFORDABLE
CITY IN THE WORLD
FOR STUDENT**

CONTENT

WELCOME TO UNIVERSITI PUTRA MALAYSIA

Message From The Vice-Chancellor
Introducing UPM
Historical Milestones

CAMPUS LIFE

Feedback
Campus Facilities
UPM Living
UPM Seekers of Knowledge
International Support
Students Association

ACADEMIC LIFE

- Feedback
- Research in UPM
- Student Mobility Programme
- Degree Structure –
Undergraduate (Academic Division)
- Degree Structure –
Postgraduate (School of Graduate Studies)
- Faculties and Institutes

THE CONTENT OF KNOWLEDGE

06	PROGRAMME BY FACULTY & INSTITUTE	
06	Faculty of Agriculture	46
07	Faculty of Forestry	48
08	Faculty of Veterinary Medicine	50
	Faculty of Economics & Management	52
	Faculty of Engineering	54
	Faculty of Educational Studies	58
14	Faculty of Science	60
16	Faculty of Food Science and Technology	62
20	Faculty of Human Ecology	64
21	Faculty of Modern Languages and Communication	68
22	Faculty of Medicine and Health Sciences	72
24	Faculty of Design and Architecture	70
	Faculty of Computer Science and Information Technology	74
	Faculty of Biotechnology and Biomolecular Sciences	76
26	Faculty of Environmental Studies	78
28	Faculty of Agriculture & Food Sciences , UPMKB	80
30		
	Institute of Bioscience	82
34	Institute of Advanced Technology	84
	Malaysian Research Institute on Ageing	86
38	Institute of Mathematical Research	88
44	Institute of Agricultural and Food Policy Studies	90
	Institute of Halal Product Research	92
	Institute of Tropical Forestry & Forest Products	94
	Institute of Social Sciences Studies	96
	Institute of Tropical Agriculture	98
	Institute of Plantation Studies	100
	UPM Alumni Centre	102
	Contact Us	104



MESSAGE
FROM THE VICE
CHANCELLORWELCOME TO
THE UNIVERSITI
PUTRA
MALAYSIA**"WITH KNOWLEDGE WE SERVE"****PROF. DATIN PADUKA DR. AINI IDERIS**

Vice Chancellor, UPM

With your school days coming to an end, you will soon be faced with the need to make some of the most significant decisions of your life. The choices you make - of which qualification to pursue, and of which university you would like to see yourself being a part of - will play formative roles in moulding the entire direction of your adult life.

The university you choose will be the centre around which your world will revolve for the next few years. In it, you will encounter your greatest support system, a second home, your greatest inspirations and the unfolding of an entirely new chapter of your life which will see you maturing into a successful professional all set to take on the world.

A university much like Universiti Putra Malaysia which, should you choose to study here, you will come to lovingly refer to as UPM.

At UPM, quality and excellence prevail in all areas, and although our niche is in agriculture as our tagline, Agriculture. Innovation. Life. suggests, our educational philosophy is highly multidisciplinary in nature. Operating under the motto, With Knowledge We Serve, our objectives are single-mindedly rooted towards producing exceptionally well-informed innovative and independent leaders of tomorrow. We pursue, appoint and nurture the finest minds in the country who are entrusted to shape your dreams, guide your academic achievements and steer you into arriving at discerning decisions about your future. Our academics are also our world-class multidisciplinary researchers; hence, the research culture integrating knowledge and innovation that they are steeped in, will also be a legacy you are left with, as you graduate from UPM and move on to build a career of your own.



UPM is now among Asia's top 50 universities, world's top 300 and has been rated as a 5-star institution in the 2016/2017 Quacquarelli Symonds (QS) Ranking. Our commitment in aiming for excellence in education is well balanced by our concerns for the environment in which our students are groomed in. The 34th ranking that UPM achieved in the UI-Greenmetric World University Ranking 2016 speaks volumes about our commitment to sustainability. UPM's campuses, both in Serdang, Selangor (main campus) and Bintulu, Sarawak (branch campus) are among the greenest found in the country; and are perfectly complemented with excellent amenities and state-of-the-art facilities and services.

As one of Malaysia's premier universities with a long-established reputation for teaching and research excellence with over 24,000 undergraduate and postgraduate students, UPM has over the years become a favoured choice for international students. And so, when you choose to study at UPM, you will find yourself intellectually networking with students from over 60 countries from all over the world. Imagine the scope of unparalleled cultural knowledge and experience that you stand to gain by choosing to be a part of UPM! And that's not all. Students can also count on UPM to effectively cater to their social needs for there are a wide range of on-campus exciting activities made readily available for students, which include, sports, cultural exchanges, mobility programmes, etc.

What we are eager to offer you is a world of opportunities to meet all your aspirations and goals. Decide today to make Universiti Putra Malaysia your academic home for the next few years and allow us to turn you into a leader and innovator of the future.

Indisputably, UPM is one of the best investments you can make for your future!

Best wishes!



LOCATED APPROXIMATELY 22 KILOMETRES FROM MALAYSIA'S CAPITAL CITY, KUALA LUMPUR, UPM IS A RESEARCH UNIVERSITY (RU) IN MALAYSIA THAT IS DEEPLY COMMITTED TO THE DISCOVERY AND DISTRIBUTION OF KNOWLEDGE.



SINCE 1931
(SCHOOL OF
AGRICULTURE)



INTRODUCING UNIVERSITI PUTRA MALAYSIA

UPM possesses all the necessary qualities to be at par with renowned local and international institutions of higher learning and your decision to join UPM will give you a world of opportunities that will certainly enrich your life and future.



26,000
STUDENTS ENROLLED



74
BACHELOR



7
DIPLOMA



42
PROGRAMMES BY
COURSEWORK



5
PROGRAMMES
BY RESEARCH



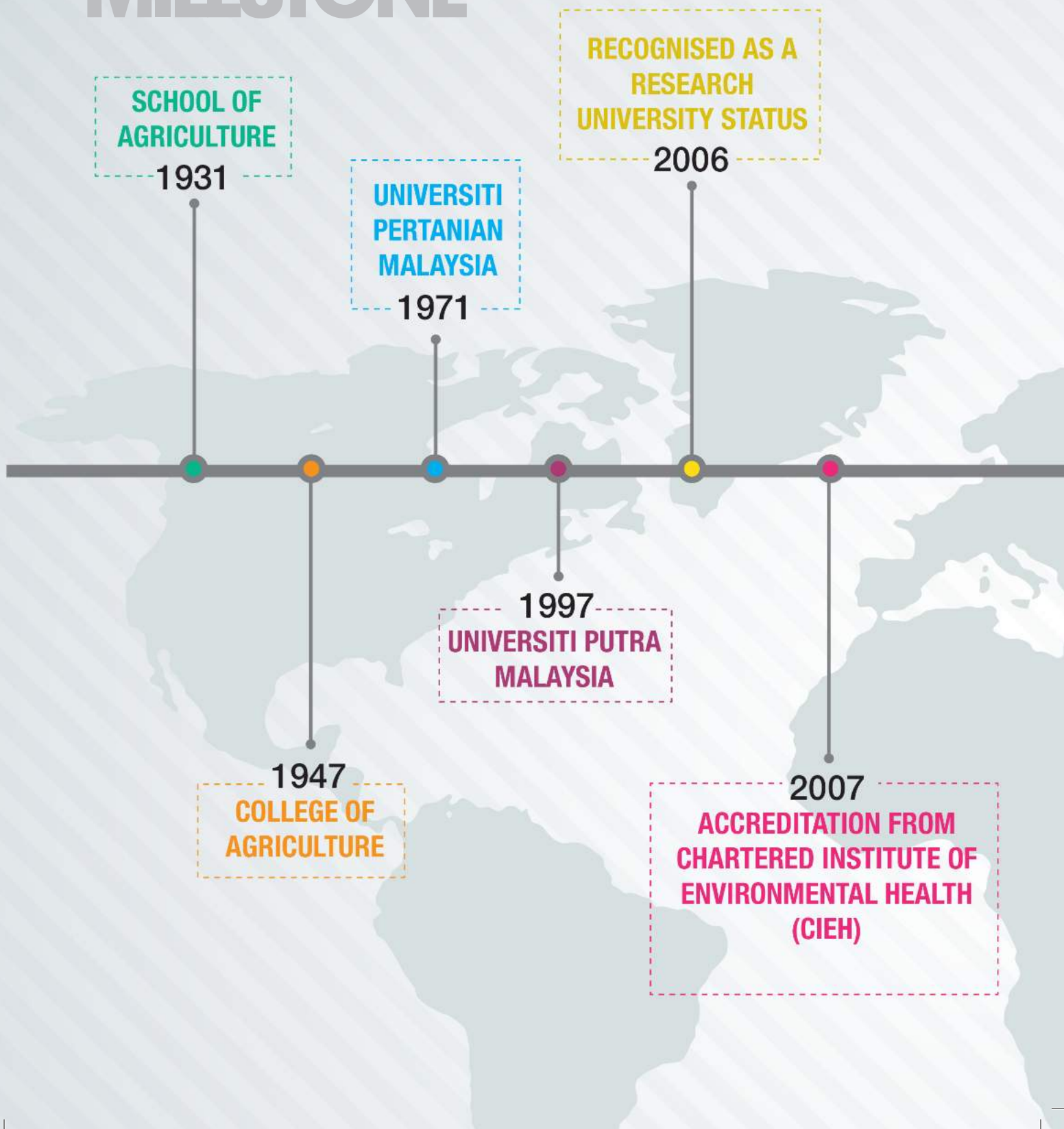
265
FIELDS OF STUDIES

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

A multidisciplinary university with 85-year history, UPM is strategically located within Malaysia's ambitious Multimedia Super Corridor (MSC), a Malaysian Government designated zone designed to propel the country into the information technology age. As one of the largest universities in Malaysia, UPM is also a key-player in contributing to the growth of learned and

skilled human capital in the nation. UPM presently has 26,000 students enrolled in its 74 bachelor, 7 diploma, 42 coursework programmes and 5 research programmes at Masters and PhD levels (with more than 265 fields of studies). Except for the diploma programmes which are offered exclusively at UPM's branch campus in Bintulu, Sarawak, all other courses are offered at the main campus in Serdang, Selangor. Knowledge is the core of all the activities at UPM, as depicted in its slogan "With Knowledge We Serve". By upholding this philosophy in the execution of all its programmes, UPM aims to inspire its academic community towards teaching and research excellence; and ultimately towards the material and spiritual betterment of society. UPM possesses all the necessary qualities and resources to be at par with renowned local and international institutions of higher learning and your decision to join UPM will promise you a world of opportunities that will certainly enrich your life and future.

HISTORICAL MILESTONE





**AWARDED
MALAYSIA'S TOP
TWO BUSINESS
SCHOOL**

2008

**ACCREDITATION FROM THE
TEACHER EDUCATION
ACCREDITATION COUNCIL
(TEAC)**

2014

**AWARDED AUTONOMY
UNIVERSITY STATUS**

2012

2010

**AWARDED
SELF-ACCREDITATION STATUS**


2016

**ACCREDITATION
FROM ROYAL
SOCIETY OF
CHEMISTRY**

2012

**ACCREDITATION
FROM ADVANCE
COLLEGIATE
SCHOOLS OF
BUSINESS (ACCSB)**

CAMPUS LIFE



BEING A STUDENT AT UPM OFFERS SOME OF THE BEST TIMES OF YOUR LIFE TO ENJOY IN A CAMPUS ENVIRONMENT . IT IS RELATIVELY PEACEFUL AND QUIET HERE, WITH SOOTHING GREEN NATURAL SURROUNDINGS ALL AROUND YOU. HOWEVER DESPITE THE PRISTINE AND VERDANT ATMOSPHERE PREVALENT AT THE CAMPUS, THERE WILL ALWAYS BE SOMETHING EXCITING AND INTERESTING TO DO AT UPM. IN FACT, THERE IS NO END TO WHAT UPM HAS IN STORE FOR YOU. THE EDUCATION YOU GET HERE IS OF THE HIGHEST QUALITY AND IT IS OFFERED IN THE MOST VIBRANT ENVIRONMENT. A REFLECTION OF THIS IS THE PRESENCE OF APPROXIMATELY 4,000 INTERNATIONAL STUDENTS FROM MORE THAN 60 DIFFERENT COUNTRIES WITHIN ITS CAMPUS. WITH SUCH DIVERSITY, BE ASSURED THAT THERE WILL NEVER BE A DULL MOMENT AT UPM. COME JOIN UPM TODAY AND BE ON YOUR WAY TO AN EXCITING AND FULFILLING FUTURE.



UNIVERSITI PUTRA MALAYSIA EDU – PARK



Within the campus grounds is located an experiential learning park which is an amazing gateway to a visual and interactive learning experience that is unmatched by any other centres of higher learning. Covering a vast rolling landscape, the UPM Edu-Park takes visitors and students to a spectacular array of educational expositions and hands on, on the ground experience with animals, plants and visually exciting exhibitions.

Open to adults and children of all ages, the Edu-Park comprises of an Equine Centre where you can learn everything you need to know about horses and even ride them, a Dairy Farm that offers a deep insight into cattle farming, breeding and production of dairy products and an awe-inspiring Deer Farm where deer is bred and domesticated.

The Animal Anatomy Museum offers visitors knowledge of the different bone structures of all animals, their alimentary systems and other physical attributes. Next to it is the Human Anatomy Museum which spectacularly displays with special effects the human skeletal structure, the heart and the blood circulatory system, the respiratory system, the brain and the nervous system and many more.

For the culturally inclined visitors and students, there is a comprehensive Malay Heritage Museum which show cases the complete spectrum of Malay arts and crafts, clothing, weapons and architecture. Visitors can purchase agricultural produce from the Putra Mart and also go on a tour of UPM's very own herbal garden with its numerous Malaysian, Asian and Western herbs. Finally after a visit to the Gallery Serdang, they can settle down to a sumptuous Malaysian meal and refreshments at the L'apprenti Restaurant and Café at the Edu-Park, probably the only one of its kind in the region.









PARAM WAZED SIKDER
BANGLADESH

I like UPM for the same reason I like Malaysia. In this country, I have noticed a perfect blend of nature and technology. It's a developed country but it doesn't lack greenery. Nature and technology live harmoniously side by side in perfect balance. UPM is an ideal example of my statement, and a perfect representation of Malaysia. Here one can find students of different ethnicity and different nationalities studying together and interacting with each other; using the new technologies and very up to date with the latest trends and discovery of the world. They are nurtured and their horizon on broaden by the vast greenery that surrounded them. Besides, it's motivating students to be the best versions of themselves. I love Malaysia and as the extension of that feeling, I love UPM.

**"I just can't wait to attend
the classes"**

**"Here one can find students
of different ethnicity and
different nationalities
studying together and
interacting with each other."**



LUCIE STEINER
Faculty of Computer Science and
Information Technology

"I just can't wait to attend the classes," says Lucie Steiner from School of Business and Engineering Vaud, Switzerland. She will be doing a programme at the Faculty of Computer Science and Information Technology in UPM. Not only is she looking forward to attending classes, she is also attracted to the cultural diversity of Malaysia. She hopes that local students are ready to share the beauty of Malaysia with her.

CAMPUS FACILITIES



ICT LIBRARY

UPM is a 21st century campus connected via a comprehensive fibre-optic communication system and ICT infrastructure that allows for speedy and efficient transmission of knowledge, teaching and learning, research and administrative functions. This network is accessible from within the campus. A lifetime email facility and a 20MB storage capacity is provided for all students for their coursework and homepage. Students are provided with a smart card that can be used as a matric card, library card, e-purse and ATM access. The card also doubles as a health card containing the student's health record. The computer laboratory can be easily accessed by students to do their coursework, internet surfing and other online campus requirements.

NEWSLETTER & TRIBUN PUTRA

The Tribun Putra is a quarterly published newspaper by UPM and is available in print as well as online for students to keep abreast of campus happenings. It features the latest in academic news, weekly activities, sports, entertainment, current affairs and everything else that happens in the campus. e-newsletter is a quarterly bulletin featuring articles, updates and information, it is sent to students/stakeholders email address. These publications help students to keep tabs on what's happening within and without the campus and is a great way to stay connected with people and be informed of the many activities. Web sites and social media are also actively used



SULTAN ABDUL SAMAD LIBRARY

The Sultan Abdul Samad Library is the main library of UPM which provides facilities for individual and group study. It has meeting rooms, discussion rooms, auditoriums and can easily accommodate more than 2,000 students at any one time and is fully WiFi enabled. In order to support the university's teaching, learning and research activities, the library provides an immense amount of educational and research materials and resources in both printed and electronic formats. At present, it houses over half a million books, bound journals, maps, audio recordings, microfilms, video tapes and slides. Besides this, library users can conveniently access online electronic resources, for the latest research materials and information via 40 online databases containing over 36,000 full text online journals and 2 million e-books.

Besides the main library, there are four other branches of libraries e.g the Medical and Health Science Library, Veterinary Science Library, Engineering and Architecture Library and Bintulu Branch Campus Library.



KMR OnePutra RESIDENCE

"Cozy and Comfortable" is the way to describe this on-campus residential college that offers 24 units of modern apartments and 119 units of studio rooms for students, expatriates, short-courses & special function participants, parents, staffs and others. These three residence buildings are home to a vibrant and diverse student community in the heart of UPM campus.

Comprised of three blocks – K, M, and R, KMR OnePUTRA is provided with attractive facilities & amenities such as OnePUTRA Hall with free Wi-Fi access, 24-hours study lounge, OnePutra Cafeteria, OnePutra Shop, musolla, meeting facilities and more to cater to the needs of residents. Located amidst green environment within the UPM campus, residents have easy access to the administration & academic buildings and major university facilities.



TRANSPORTATION

Students' transportation inside and outside of campus is well taken care of via the UPM coach services. Each student is expected to pay approximately USD 20 per semester for unlimited rides. UPM's Student Affairs Division has also allocated more than 20 university buses to cater to students' academic and co-curricular activities outside the campus. UPM's covered bus-stops are equipped with fans, lights and notice boards to maximize students comfort.



FOOD

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

STUDENT PORTAL WEBSITE

The InfoComm Development Centre (iDEC) at UPM developed the unique Putra Student Portal as the main gateway for the students to access their personal information easily with a single login. This ICT service is available to all students. They are provided with a username and password the moment they enroll.



ARTS AND CULTURE CENTRE (THE SULTAN SALAHUDDIN ABDUL AZIZ SHAH CULTURAL & ARTS CENTRE)

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

UNIVERSITY AGRICULTURAL PARK

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



AMENITIES

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



HEALTH & WELFARE

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

IT FACILITY

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

SPORTS & RECREATION

There are several sports facilities available at UPM, aimed at encouraging and supporting the students in their sports initiatives. UPM's commitment to sports can be seen by the dedicated block for athletes, built at the University's Sixth College. UPM also has a swimming pool, a sports complex with a main stadium for track and field events, a multipurpose hall (for indoor games such as squash, netball, sepak takraw, volleyball and basketball), a golf course and even an equine park etc.

COUNSELING SERVICES THROUGH TELE – COUNSELING (PUTRA TELE – COUNSELING – 03-89471316)

This interactive website provides counseling services to all UPM staff and students without the need for them to have a face-to-face session with a counselor. It works along the concept of online communications using telephone and real time communication which offers students privacy and peace of mind when 'airing' their problems, grouses and issues.



PLACE OF INTEREST IN SERDANG



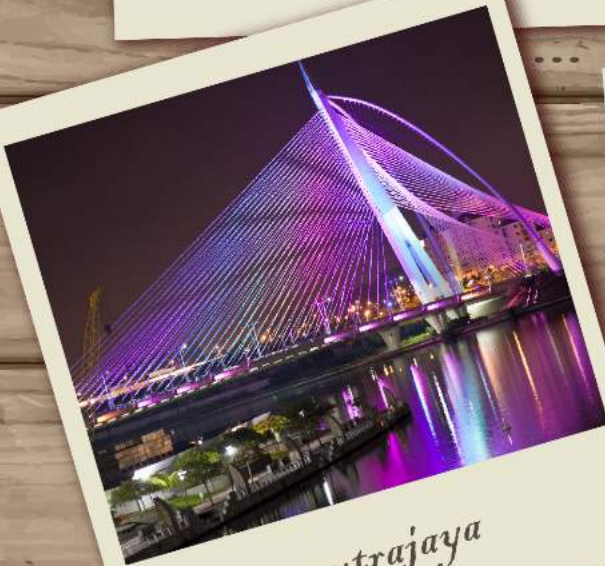
Universiti Putra Malaysia (UPM) is located in the locality known as Serdang which happens to be the heart of one too many attractions such as IOI City Mall Putrajaya, The Mines, Sate' Kajang, IOI Mall Puchong, Cyberjaya and so on. This means the chances of a dull day is extremely low. There's always something to do on the go like shopping, food hunt, sightseeing and many more.



ioi city mall



sate kajang



putrajaya



cyberjaya



the mines



ioi mall



LIVING AWAY FROM HOME - AND THE FIRST TIME FOR MANY - CAN BE A CULTURAL SHOCK, ESPECIALLY IN A MULTI-CULTURAL ENVIRONMENT SUCH AS UPM.

UPM LIVING



THIS IS HOME WITHIN THE EXPERIENCE THAT STUDENTS WILL WANT TO TAKE AWAY WITH THEM WHEN THEY GRADUATE. THE EXPOSURE HERE IS STIMULATINGLY FUN AND THROUGHOUT YOUR STAY AT UPM, YOU WILL ENJOY INTERACTING WITH YOUR PEERS, MAKING DECISIONS, ESTABLISHING FRIENDSHIPS, BALANCING STUDIES, AND MAKING THE BEST OF THINGS - THESE EXPERIENCES WILL STAND YOU IN GOOD STEAD WHEN YOU LATER TAKE ON THE CHALLENGES OF YOUR CALLING AND CAREER.

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

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

THE ON-CAMPUS

The on-campus accommodation provides great value-for-money and is situated in close proximity to campus facilities, transport and other important consumer services. There are two (2) types of accommodation within the UPM campus which are available for international students. These include student apartments which comprise 2-bedroom /1-bathroom apartments (not furnished/ semi furnished), and residential colleges, which comprise twin sharing rooms with common facilities. International students are advised to reserve their accommodation before coming to Malaysia as apartments and rooms in residential colleges are limited.

The cost of accommodation can vary from USD 100-600 a month.

RESIDENTIAL COLLEGES

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

KMR OnePutra RESIDENCE

The University's housing complex comprises 160 attractive and modern apartments. These apartments are intended for married postgraduate international students who are accompanied by their spouses and children. Each unit has two bedrooms with reasonable rental rates starting from RM250 (one week) – RM1000 (per month).

OFF-CAMPUS PRIVATE

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



UPM SEEKERS OF KNOWLEDGE



STUDENTS FROM OVER 60 COUNTRIES AROUND THE WORLD ARE PART OF THE ALMOST 26,000 STUDENT POPULATION IN UPM, ENRICHING WHAT IS ALREADY A UNIQUE AND CULTURALLY DIVERSE COMMUNITY.

The attraction does not lie in only the pursuit of UPM's academic excellence, but also in the opportunity to experience a whole new environment, observing cultural differences, enjoying the various Malaysian cuisine, benefiting from the reasonable cost of living and taking in the incredibly exciting sights, sounds and beauty of a nation blessed by its geographical position and nature.



- Afghanistan
- Japan
- Singapore
- Algeria
- Jordan
- Somalia
- Bangladesh
- Kazakhstan
- South Africa
- Brunei Darussalam
- Kyrgyzstan

- Sri Lanka
- Cambodia
- Kenya
- Sudan
- Cameroon
- Korea
- Swaziland
- Canada
- Laos
- Sweden
- Chad

- Libya
- Syrian Arab Republic
- China
- Macedonia
- Taiwan
- Cocos (Keeling) Island
- Maldives
- United Republic of Tanzania
- Colombia
- Mauritania

- Thailand
- Cote Divoire
- Mauritius
- Turkey
- Djibouti
- Myanmar
- Turkmenistan
- Egypt
- Nigeria
- Tunisia
- Ethiopia

- Oman
- Uganda
- Fiji
- Pakistan
- Ukraine
- Gambia
- Palestin
- United Arab Emirates
- Germany
- Philippines
- United States

- Ghana
- Puerto Rico
- Uzbekistan
- India
- Russia
- Indonesia
- Rwanda
- Yemen
- Iran
- Saudi Arabia
- Zimbabwe
- Iraq
- SIERRA LEONE

WE'LL NEVER
MAKE IT TO OUR
MILESTONE IF WE
CAN'T MAKE IT
THROUGH OUR
MOMENTS...

INTERNATIONAL SUPPORT



TO ASSIST INTERNATIONAL STUDENTS AT THE UNIVERSITY, THERE'S THE INTERNATIONAL STUDENTS ASSOCIATION, WHICH OFFERS AN EXTENSIVE LIST OF SOCIAL PROGRAM THROUGHOUT THE ACADEMIC YEAR. UPMISA IS AN ASSOCIATION FOR INTERNATIONAL STUDENTS STUDYING AT UPM.

The association aims to foster good relationship among all international students of UPM by organising various interactive programmes and activities. Attending these events is also an opportunity to share experiences, network and integrate with fellow students. Throughout the year, the International Students Association provides a variety of activities and social events including visits to some of Malaysia's most popular heritage and tourism attractions. The visits are partially subsidized by UPM to provide all international students with the opportunity to participate and understand Malaysian heritage and cultural history.

COST OF LIVING

The cost of living for international students studying at UPM is relatively low compared to international standards. It depends very much on the needs and lifestyle of the student. Individually students residing on-campus should have adequate money to cover living expenses, clothing, books, travelling and others. Estimated cost of living is about RM 1,500.00 – RM 2,000.00 (USD 400 – USD 530) per month excluding meals. Most facilities and amenities are readily available on campus and its vicinity, which makes studying in UPM a breeze.



AIRPORT PICK UP AND ORIENTATION FOR NEW STUDENTS

International Centre (Putra International) provides airport pick up services for new international students by the university transit. An orientation program will also be organized before classes start - every new semester.

VISA AND STUDENT PASS

Effective January 1, 2014 all new international students must obtain a Visa with Reference (VDR) before they enter Malaysia. VDR is a visa issued by the overseas Malaysian Embassy/ High Commission to non-citizens to enable them to enter Malaysia after the visa is approved by the Immigration Department of Malaysia. For further information on the immigration procedures and student pass application, international student can contact the International Centre, UPM.

CULTURE

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

SAFETY

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

ENTERTAINMENT & SHOPPING

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

CURRENCY

The monetary unit of the country is Ringgit Malaysia and is written as RM. The exchange rate is valued at USD 1 = RM4.07 (as of) but there are minor fluctuations from time to time. Foreign currencies can be exchanged at banks and licensed money changers.

PART-TIME EMPLOYMENT

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

THE WAY TO STRIVE
FOR EXCELLENCE, AN
OPPORTUNITY FOR
STUDENTS TO TAP THEIR
TALENTS, DISCOVER THEIR
POTENTIALS AND HARNESS
IT TO THEIR ADVANTAGE

STUDENT ASSOCIATIONS



UPM IS A HOLISTIC CAMPUS, ONE WHERE KNOWLEDGE IS DISPENSED TO THE HIGHEST DEGREE AND WHERE STUDENTS ARE EXPOSED TO A DIVERSITY OF ACTIVITIES TO STIMULATE THEIR THINKING, AGILITY AND CHARACTER BUILDING BEYOND THE CLASSROOM.

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

SPORTS CLUBS

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

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



MARTIAL ARTS

There are several types of martial arts that students can opt to learn and become members of the association at the campus. There several styles of Malay martial arts taught at UPM. Silat, dates back several centuries, focuses on defence techniques and spiritual development. Silat associations include:

- Association of Seni Silat Cekak Malaysia
- Association of Seni Silat Cekak Pusaka Ustaz Hanafi
- Association of Seni Silat Lincak UPM
- Association of Seni Silat Gayong

Other martial arts associations are:

- Association of Shito-Ryu Karate-Do
- Association of Tae Kwon Do
- Association of Aikido

ASSOCIATIONS / CLUBS

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

- Pandu Puteri Club
- Association of QKP Student
- Association of Golden Key National Honour Malaysia UPM


- Akhbar Mahasiswa Club
- Gabungan Mahasiswa Sarawak
- Perwakilan Mahasiswa Sabah
- Association of Hindus
- Association of Buddhists

ASSOCIATION OF ARTS, CULTURE AND RAKAN MUDA

UPM is home to a large percentage of foreign students. Combined with the various ethnic groups of Malaysia, UPM offers an opportunity for students to mix, learn and understand their common values without harping on their differences. Here students celebrate their cultures by participating in various activities such as dances, performing arts, music, literature, poetry, visits to interesting places and festivities through these clubs:

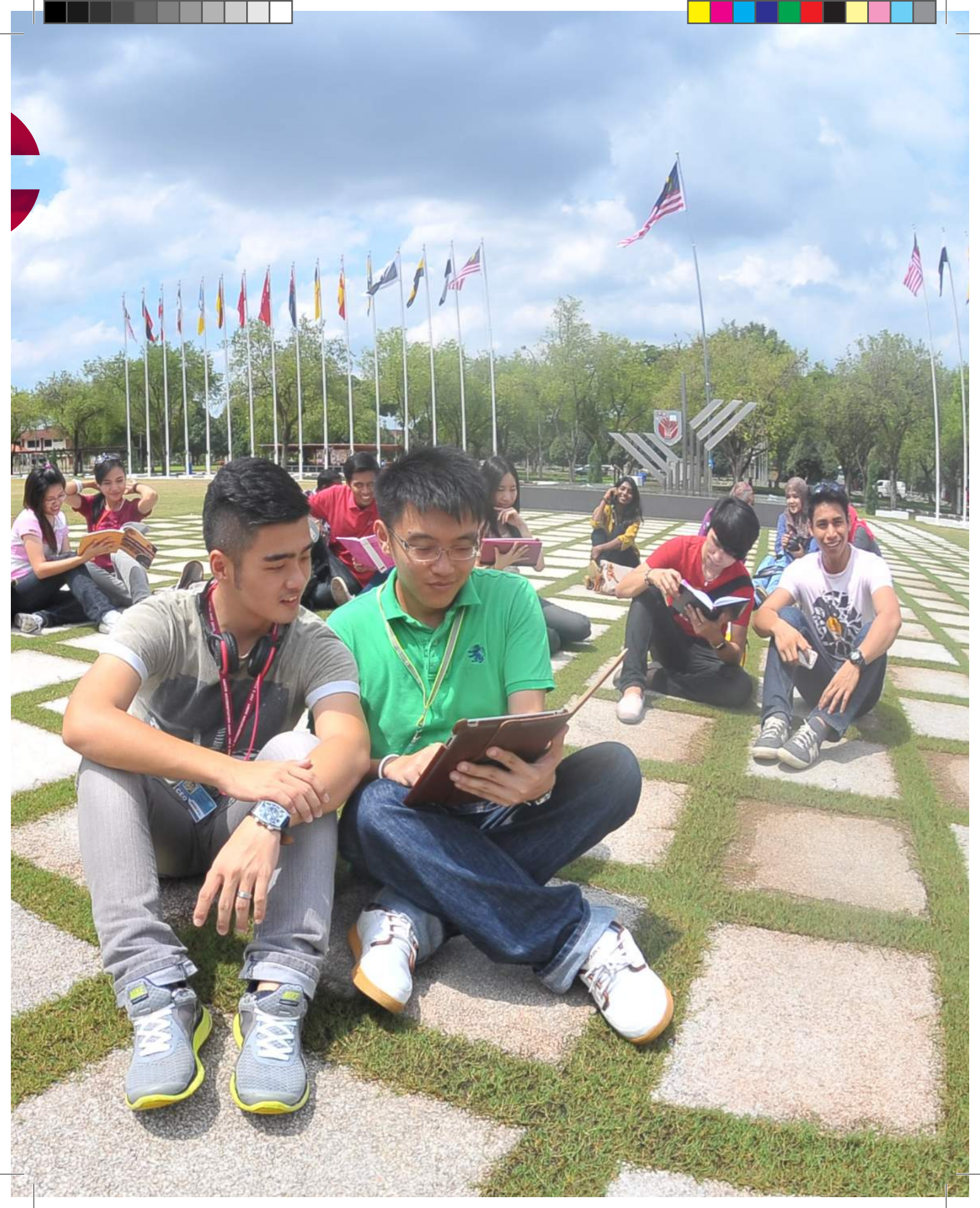
- Adimastuli Dance Club
- Penggiat Teater Sejagat (PENTAS)
- Caklempong Club
- Kompang Seni Warisan Club
- Kijang Emas (Dikir Barat) Club
- Nasyyid Nahwan Nur Club
- Pantun & Puisi Club
- Choir Club
- Tarian Klasik India (Putra Kalshektra) Club
- Zhong Hua Art and Cultural Society





ACADEMIC LIFE

STUDENTS WHO STUDY AT UPM CAN BE CERTAIN TO RECEIVE A HIGH QUALITY EDUCATION. A GOOD MEASURE OF THE QUALITY OF EDUCATION IS THE UNIVERSITY'S PERFORMANCE IN EXTERNAL QUALITY ASSESSMENT (E.G. AACSB ACCREDITATION, TEAC ACCREDITATION, RCS ACCREDITATION AND CIEH ACCREDITATION). UPM HAS MORE THAN 1700 ACADEMIC STAFF DEDICATED TO TEACHING AND RESEARCH, AND MANY ARE RECOGNIZED INTERNATIONALLY AS LEADERS/ MENTOR IN THEIR FIELDS.



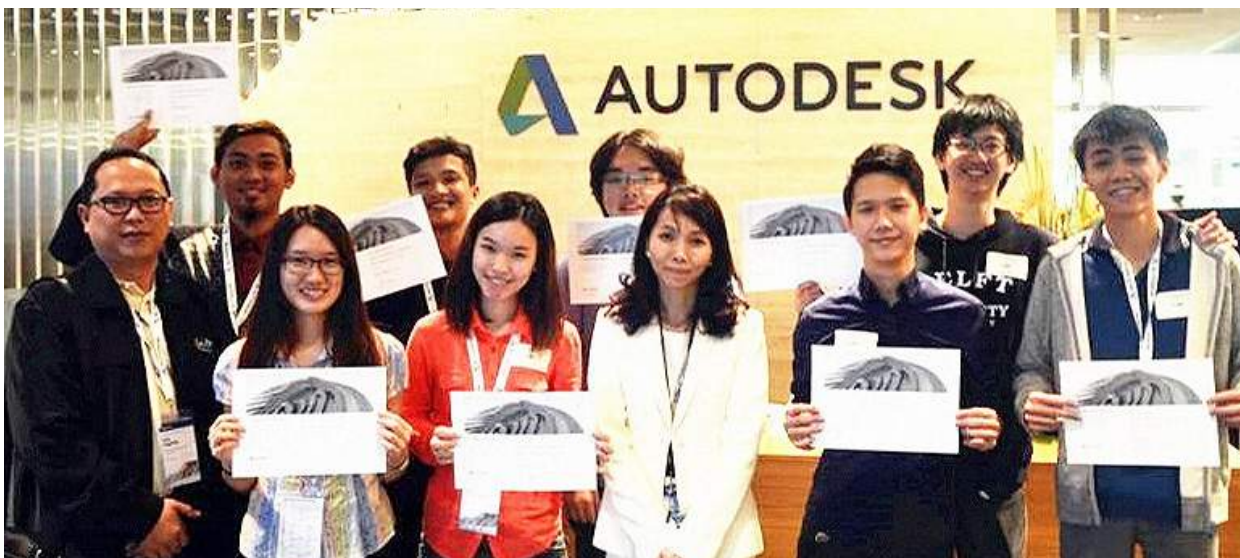
ONE OF FIVE RESEARCH
UNIVERSITIES IN
MALAYSIA, A STATUS
THAT THE UNIVERSITY
CARRIES WITH HONOUR
AND PRIDE

RESEARCH IN UPM

UNIVERSITI PUTRA MALAYSIA ENJOYS THE DISTINCTION OF BEING ONE OF FIVE RESEARCH UNIVERSITIES IN MALAYSIA, A STATUS THAT THE UNIVERSITY CARRIES WITH HONOUR AND PRIDE. WHILE ITS FORTE IS AGRICULTURE, UNDERSTANDABLY BECAUSE OF ITS PROUD HISTORY AS A PIONEERING AGRICULTURE SCHOOL ESTABLISHED IN 1931, UPM IS TODAY A MULTI-DISCIPLINARY INSTITUTION OF HIGHER LEARNING AND AN OUTSTANDING RESEARCH HUB, ATTRACTING RESEARCHERS, SCIENTISTS AND SCHOLARS FROM ALL OVER THE WORLD.

Over the decades, UPM has cemented its reputation for research by achieving spectacular results through ground breaking research outcomes in various scientific fields, which have won it numerous national and international awards. These achievements are the result of a culture of scientific and academic curiosity, motivated by a willingness to challenge the unknown and push beyond the bounds of known knowledge and wisdom. Most of all, it is a commitment to the creating of new frontiers in research. UPM today ranks among the top most prestigious universities in the region, testimony to the precious legacy of knowledge acquired over more than eight decades of its existence.





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

UPM RESEARCH CLUSTERS

Agriculture and Food (AF)
Applied Sciences and Engineering (ASE)
Biosystems and Biotechnology (BB)
Business, Economics and Governance (BEG)
Environment and Energy (EE)
Forestry and Biodiversity (FB)
Humanities and Nation Building (HNB)
Halal Sciences and Management (HSM)
Health and Well Being (HWB)
Mathematical Sciences and ICT (MSICT)
Materials Sciences and Technology (MST)

As a research intensive university, UPM is well equipped with full-fledged facilities, labs and multiple research centres to produce outcomes beneficial to society and industry. This is made possible through research collaborations and synergistic partnerships with industry. The university receives a grant of RM90 million from the government, which is used for multi-disciplinary research besides creating the right environment for students to carry out quality research. This has yielded some exciting discoveries, most notably ZAPPA – rice seeds germination enhancer and



VITO GROW, which promotes plentiful yield. These findings have generated about RM23.7 million in sales and boosted the production capacity of rice farmers in the country and region. Other notable UPM developed commercialized products & technologies are;

- Fowl Pox Vaccine, tissue culture adapted
- Newcastle Disease Vaccine
- V4-UPM Heat Resistance Strain
- FAST TARGET, White Spot Virus detection kit
- StellarLac, chicken probiotic technology
- Fibre /duplexer Module (FDM)
- Stone Mastic Asphalt With Cellulose OilPalm Fibre
- MyVACUPM93, infectious bursal disease Vaccine
- MRTLatex, for rapid measurement of dry rubber content
- BACTERIOCIN UL4, Anti-Microbial Compound
- KUSTEMVax, Mannheimiosis Vaccine
- Trichogreen, Biocontrol Agent And Growth Enhancer (Oil Palm)
- AJIB, Crystalline Water Soluble Fertiliser
- 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
- Biogas and Biomass Solid Wastes
- Composting of Bio-Acids and Bio-Plastic
- Composting from Sewage Wastes

UNIVERSITI PUTRA MALAYSIA'S STUDY ABROAD AND EXCHANGE PROGRAMME IS DESIGNED TO ENCOURAGE STUDENTS FROM UNIVERSITIES ABROAD TO DO SHORT-TERM ACADEMIC-RELATED STINTS AT UPM.

STUDENT MOBILITY PROGRAMME



MOBILITY PROGRAMME (INBOUND / OUTBOUND)

Universiti Putra Malaysia's study abroad and exchange programme is designed to encourage students from universities abroad to do short-term academic-related stints at UPM.

The exchange programmes in UPM began in late 1990's with only a few students, mainly to conduct their practical training and research in the field of science and technology such as Veterinary Medicine.

Now, UPM has more than 180 Memorandums of Understanding (MoUs) to foster student exchange programmes with universities from all over the world, and each year, hundreds of international students come to UPM from different parts of the world.

TYPES OF STUDENT MOBILITY PROGRAMMES AT UPM

In order to meet the individual needs and requirements of the many international students, academics and non-academics from various countries, UPM offers various types

of exchange programmes varying in duration from a couple of weeks to one or two semesters and with/without credit transfer options. UPM offers the following types of Study Abroad and Exchange programmes;

- Exchange programme (1 or 2 semester(s))
- Short-term programme (2 weeks or more)
- Internship programme (2 weeks to 6 months)
- Industrial Training / Research (2 weeks or more)
- Summer programme (2 weeks or more)
- Visit (less than 2 weeks)

SEMESTER IN UPM

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



SEMESTER 1

Lecture	6 weeks
Mid Sem break	1 week
Lecture	8 weeks
Revision Week	1 week
Final Exam	2 weeks
Semester Break	5 weeks

SEMESTER 2

Lecture	7 weeks
Mid sem Break	1 week
Lecture	7 weeks
Revision Week	1 week
Final Exam	2 weeks
Semester Break	10 weeks

HOW TO APPLY (INBOUND)

Interested students can download the application form (UPM/BA/BR01/Application). In addition to our application form, we also require additional relevant documents, which include:

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

HOW TO APPLY (OUTBOUND)

- Application is to be done by UPM students with the help from mobility coordinator of the respective Faculty
- Fill up the outbound application form (UPM/BA/BR02/

Application)

- In addition to our application form, we also require additional relevant documents, which include:
 - A nomination letter from the respective Faculty
 - One certified true copy of Academic Transcript by the respective Faculty (Each Semester)
 - One certified true copy of Passport
 - Account Statement/Account Passbook – Account Number
 - Invitation Letter / Letter of Acceptance from Host University
 - Itinerary Details of Programme

For more information and further enquiries please contact:

Head of Mobility Section,
Putra International, (INTERNATIONAL CENTRE)
Universiti Putra Malaysia
43400 UPM Serdang,
Selangor Darul Ehsan, Malaysia.

Tel : +603 8946 7446/ 7972

Email : nurmaisarah@upm.edu.my/
fadh@upm.edu.my /
intl@upm.edu.my / hod-intl@upm.my

Website : www.intl.upm.edu.my

Instagram acc : @upmmobility

MOBILITY EXPERIENCE

Student mobility programme is offered in Universiti Putra Malaysia (UPM) in order for the students to experience how it feels like to study in another Country, adapt to a foreign culture for a short period of time. Join us in the student exchange programme just for great experience.



Name : Saniah Binti Mohd
Course : Bachelor of Business Administration
Faculty : Economics And Management
Program Director : Professional Learning Mobility Program 2016
Country Of Mobility Program : Perth, Western Australia

This programme gave a huge impact to me and my friends. For me, I think it has been a really precious opportunity to gain a great experience and knowledge about the norms and values that determines the economic and social fabric of the country.

There were several local universities that we had visited, including Murdoch University, University of Western Australia, Edith Cowan University and Curtin University. Through this visits, we could interact with some students and staff of the universities, and got to know the students' social life. At the same time, we also learned about the education system and curriculum in the said universities.

It is not easy to interact with certain parties especially if they are from overseas, but it was a major challenge for me as a director of the programme and I considered it as my biggest challenge. Through this programme I was able to develop my soft skills, especially in terms of communication and critical thinking skills.

This international immersion has enabled me to boost my self-confidence tremendously as I found myself making conversations with total strangers effortlessly and learned and shared hopes and aspirations. I would encourage other students to take-up this opportunity to participate in this mobility programmes so that are able to widen their international perspectives and knowledge and deepen their understanding and knowledge about the world around them.





Name : Siti Nur Khairunnisa binti Alias
 Course : Bachelor of Business and Administration
 Faculty : Economics and Management
 University : Universiti Putra Malaysia
 Country : Malaysia
 Place of Exchange Program : Universitas Islam Indonesia

Studying in Indonesia offers a uniquely different way to experience the diversity of the Indonesian language. It give me a chance to learn Bahasa Indonesia and one of the varied dialects such as Javanese which are spoken in our local communities. I've learnt how to get along with others, especially those from a different culture and nationality from myself.

I would like to thank the kind staff and friendly local students who made my short mobility experience interesting and deeply satisfying. It gave me a vast opportunity to learn about the beautiful cultural potpourri of the historical city of Jogjakarta. I am richer for the myriad of experiences that befall me during my stay in that city. It is for sure that this programme will be a great benefit to students who are keen on international relationships.



Name : Jannatul Shahirah binti Azmi
 Course : Bachelor of Business Administration
 Bachelor : Business Administration
 University : Universitas Islam Indonesia
 Country : Yogyakarta, Indonesia



By participating in this mobility programme, I realized that I am falling in love with Asian countries. The culture and lifestyle is very impressive. It is very pleasant to live here. I get the opportunity to learn every aspect of the life in this country, both good and bad. I have learnt a lot of things and this experience will surely help me a lot in the future. I've also learnt how to get along with others, especially those from a different culture and nationality. I guess with this experience, I would be able to live comfortably in any country I chose to live in the future



DEGREE STRUCTURE- UNDERGRADUATE PROGRAMME



ADMISSION DIVISION AND ACADEMIC GOVERNANCE DIVISION
UPM HAS 16 FACULTIES OFFERING A VARIETY OF ACADEMIC PROGRAMMES TO MEET THE CURRENT NEEDS OF STUDENTS. THE SELF-ACCREDITATION STATUS AWARDED TO UPM REFLECTS ITS HIGH QUALITY ECO-SYSTEM WHICH IS CRUCIAL FOR EFFECTIVE LEARNING TRANSFER AND HIGH QUALITY ACADEMIC PROGRAMMES OFFERED IN LINE WITH ITS STATUS AS ONE OF THE LEADING RESEARCH UNIVERSITY IN THE COUNTRY.

THE FOLLOWING IS THE LIST OF FACULTIES IN UPM:

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

Admission Division and Academic Governance Division previously known as the Academic Division, provides support related services to academic matters such as Senate Management, Curriculum Management, Student Intake and Admission, Course Registration, Lecture Scheduling and Final Examination, Preparation of Final Examination and Final Examination Results, Electronic Student Record, Graduation and Convocation Ceremony Management.



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

Semester 1 (September)		Semester 2 (February)	
Lecture	7 weeks	Lecture	7 weeks
Mid-Sem break	1 week	Mid-Sem break	1 week
Lecture	7 weeks	Lecture	7 weeks
Revision week	1 week	Revision week	1 week
Final exam	2 weeks	Final exam	2 weeks
Semester Break	5 weeks	Semester Break	10 weeks

CREDIT REQUIREMENT

Bachelor, 5 Years 186 Credits

- Doctor of Medicine
- Doctor of Veterinary Medicine

Bachelor 3½ - 4 Years 120 Credits (Minimum)

Diploma 3 - 3½ Years 90 Credits (Minimum)

CLASSIFICATION OF DEGREE

Degrees at bachelor level conferred by the Senate, except Doctor of Medicine and Doctor of Veterinary Medicine, are classified as follows:

CUMULATIVE GRADE POINT AVERAGE CLASSIFICATION (CGPA)

3.750 – 4.000	First Class Honours
3.000 – 3.749 (Honours)	Second Class Upper Honours
2.250 – 2.999 (Honours)	Second Class Lower Honours
2.000 – 2.249	Third Class Honours

ENTRY REQUIREMENTS

BACHELOR PROGRAMME

Local Candidate – General Requirement

1. STPM OR Equivalent Qualification

- A pass in Malaysian Certificate of Education (SPM)
- A credit in Bahasa Melayu / Bahasa Malaysia at SPM or its equivalent
- A pass in the STPM examination with at least CGPA 2.00 and - C Grade (CGPA 2.00) in General Studies; and - C Grade (CGPA 2.00) in TWO (2) other subjects
- At least Band 1 in the Malaysian University English Test (MUET) certificate. However, the minimum level obtained in MUET may vary from one programme to another,

AND has fulfilled special requirements for the programme i.e. attaining the required grades in SCIENCES / ARTS as specified for each UPM Bachelor programme that can be found at www.esmp.upm.edu.my/promosi



OR

2. A candidate who has passed a Matriculation or Foundation or Diploma recognized by the UPM Senate can also be considered for admission into the bachelor programme.

SPECIFIC REQUIREMENT

Details of programme requirements can be accessed at www.esmp.upm.edu.my/promosi.

Entry Requirement for International Candidate can be accessed at Entry requirements for international candidate can be accessed at www.akademik.upm.edu.my/ad_bac#ad_bac.

DIPLOMA PROGRAMME

A pass in Malaysian Certificate of Education or its equivalent with minimum 5 credits including Bahasa Malaysia, Mathematics and Science. Details of entry requirements can be accessed at www.esmp.upm.edu.my/promosi.

FOUNDATION STUDIES IN AGRICULTURAL SCIENCE

A pass in O Level or equivalent, with at least:

- i. Obtained Grade B in the subjects of Biology, Chemistry, Mathematics and Additional Mathematics;
- ii. Obtained Grade B in EITHER ONE (1) of the following subjects:
 - Physics
 - Agricultural Science
 - Agrotechnology Studies, AND
- iii. Credit with Grade B in English Language AND and a TOEFL score with at least 500 or a score of 5.5 in the IELTS

PROGRAMMES OF STUDY

FACULTY OF AGRICULTURE

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

FACULTY OF FORESTRY

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

FACULTY OF VETERINARY MEDICINE

Doctor of Veterinary Medicine	5 years
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FACULTY OF ECONOMICS AND MANAGEMENT

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

FACULTY OF ENGINEERING

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

FACULTY OF EDUCATIONAL STUDIES

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

FACULTY OF SCIENCE

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

FACULTY OF FOOD SCIENCE AND TECHNOLOGY

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

FACULTY OF HUMAN ECOLOGY

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

FACULTY OF MODERN LANGUAGES AND COMMUNICATION

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

FACULTY OF DESIGN AND ARCHITECTURE

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

FACULTY OF MEDICINE AND HEALTH SCIENCE

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

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Bachelor of Computer Science (Computer System)	4 years
Bachelor of Computer Science (Multimedia)	4 years
Bachelor of Computer Science (Computer Network)	4 years
Bachelor of Software Engineering	4 years

FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES

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



FACULTY OF ENVIRONMENTAL STUDIES

Bachelor of Environmental Science
and Technology

4 years

Bachelor of Environmental Management

4 years

FACULTY OF AGRICULTURE AND FOOD SCIENCES (UPMKB)

Bachelor of Science Bioindustry

4 years

Diploma in

- Agriculture 3 years
- Forestry 3 years
- Fisheries 3 years
- Animal Health and Production 3½ years
- Food Estate Management 3 years
- Agribusiness 3 years
- Agricultural Engineering 3 year

CENTRE OF FOUNDATION STUDIES FOR AGRICULTURAL SCIENCE

Foundation for Agricultural Science

1 year

All applications for admission for undergraduate programmes from local applicants must be made through Bahagian Pengurusan Kemasukan Pelajar, Jabatan Pendidikan Tinggi, Ministry of Higher Education, Malaysia subject to the deadline whereas application from international applicants must be submitted directly to the Head of Administration (Academic & International), Universiti Putra Malaysia. A complete application form from international applicants must reach the Head of Administration (Academic & International) Office before 1st March for 1st Semester (September) Intake. Otherwise it will be considered for the following semester i.e. 2nd Semester (February) Intake.

All enquiries pertaining to Undergraduate Degree program in UPM can be sent to : -

Head of Administration
(Academic & International)
Universiti Putra Malaysia
43400 UPM Serdang Selangor, MALAYSIA
Tel No. : 603 - 8946 6050 /6055 /6059
Fax No : 603 - 8942 6469
e-mail : akademik@upm.edu.my
website : <http://www.akademik.upm.edu.my>



DEGREE STRUCTURE – POSTGRADUATE



UNIVERSITI PUTRA MALAYSIA (UPM) IS ONE OF MALAYSIA'S PREMIER UNIVERSITIES WITH A LONG ESTABLISHED REPUTATION IN TEACHING AND RESEARCH. AS ONE OF THE NATION'S FIVE LEADING RESEARCH UNIVERSITIES (RU), UPM IS HIGHLY COMMITTED TO THE DISCOVERY OF KNOWLEDGE, AND OFFERS A REWARDING LEARNING EXPERIENCE.

UPM's postgraduate studies programmes are managed and promoted by the School of Graduate Studies (SGS), and over the years SGS has come to be seen as one of the best graduate schools in the country. There are various postgraduate programmes by research and coursework offered by UPM's faculties and institutes. The following is a list of the faculties and institutes at UPM:

Faculty of Agriculture
Faculty of Forestry
Faculty of Veterinary Medicine
Faculty of Economics & Management
Faculty of Engineering
Faculty of Educational Studies

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

Institute of Bioscience
Institute of Advanced Technology
Institute of Gerontology
Institute of Mathematical Research
Institute of Halal Product Research
Institute of Tropical Forestry & Forest Product
Institute of Social Sciences Studies
Institute of Tropical Agriculture
Institute of Agricultural and Food Policy Studies
Institute of Plantation Studies

PROGRAMME STRUCTURE

- **Degree by Research (265 fields of study)**
 - Masters (MS, MA, M.V.Sc.)
 - PhD
- **Degree by Coursework**
 - Masters only (47 programmes)
 - minimum of 40 credits of coursework
 - Doctor of Public Health
- **Degree with Industry**
 - Doctor of Engineering (DEng)
 - Industrial PhD
- **Jointly Awarded PhD Degree :**
 - Universiti Putra Malaysia and University of Sheffield, United Kingdom
 - Universiti Putra Malaysia and University of Newcastle, Australia
- **Dual PhD Degree Programme**
 - Universiti Putra Malaysia and University of Nottingham, UK
 - Universiti Putra Malaysia and University of Southern Queensland, Australia
 - Universiti Putra Malaysia and Kyushu Institute of Technology (Japan)
 - Universiti Putra Malaysia and Naresuan University, Thailand
 - Universiti Putra Malaysia and M. Auezov South Kazakhstan State University, Kazakhstan
 - Universiti Putra Malaysia and Maejo University, Thailand
 - Universiti Putra Malaysia and Kasetsart University, Thailand
 - Universiti Putra Malaysia and University of Alberta, Canada
 - Universiti Putra Malaysia and University of Newcastle, Australia



- Dual Master Degree Programme
 - Universiti Putra Malaysia and Ajou University, South Korea
 - Universiti Putra Malaysia and Naresuan University, Thailand
 - Universiti Putra Malaysia and M. Auezov South Kazakhstan State University, Kazakhstan
 - Universiti Putra Malaysia and Kasetsart University, Thailand
- Double Postgraduate Master Degree Programme
 - Universiti Putra Malaysia and University of Glasgow, Scotland

PROGRAMME BY RESEARCH

The Masters or PhD degree by research is by default without coursework, subject to any other requirement as specified by the Faculty/Institute. The supervisor may ask students to do coursework and students may request to do coursework subject to availability of the courses. Students are required to:

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

MASTERS DEGREE BY COURSEWORK

Students pursuing the Masters degree by coursework shall fulfil a minimum of 40 credits of coursework. The submission of a thesis is not a requirement but students may be required to:

- submit a project report or case study equivalent to 4 – 6 credits; or
- in cases where a project or case study is not required, students are required to register additional courses to fulfil the requirements of 40 credits and pass a Comprehensive Examination which adheres to the following rules:
 - A Comprehensive Examination shall be conducted at the end of the final semester.
 - Students are given two opportunities to pass the examination.
 - The second examination (if necessary) must be taken within sixty (60) days after the first examination.

- Failure on the second attempt will result in termination of candidature.

ADMISSION REQUIREMENTS

MASTERS DEGREE PROGRAMME

- Applicants should possess a Bachelor's degree (with honours) in a relevant field with a minimum CGPA of 3.00; or
- Applicants without sufficient academic qualification but possessing evidence of adequate related research or work experience may also apply for admission; or
- Students in the final semester of undergraduate study may apply for provisional admission provided their current CGPA satisfies the programme requirement.

DOCTORAL DEGREE PROGRAMME

- Applicants must possess a Masters degree or its equivalent.
- Application for provisional admission may also be made by students who have submitted their Masters thesis for examination.

LANGUAGE REQUIREMENTS

- Malaysian candidates must have obtained at least a credit in English in Sijil Pelajaran Malaysia, or have passed English courses conducted at the Diploma or Bachelor level.
- All international candidates from countries where English is not a medium of instruction must have obtained a minimum score of 550 for TOEFL or Band 6 for IELTS. For Malay and Foreign Language Studies the candidate must have obtained a minimum score of 400 for TOEFL or Band 4.0 for IELTS.
- Provisional admission may be granted to interested applicants who have obtained a score of 500-549 for TOEFL or Band 5.5 for IELTS or its equivalent. Upon registration, these applicants are required to enrol and pass the Tertiary English Programme conducted by the University.

ELS LANGUAGE REQUIREMENTS

Applicants who do not meet the English proficiency requirements of their chosen programme at UPM must attend proficiency courses to improve their English at ELS Language Centre, Malaysia. ELS has a branch located in the UPM campus and runs the Certified Intensive English Programme (CIEP), which is recognised by the university. Subject to their level of proficiency, students who need to improve their English will spend at least one semester at the ELS CIEP.

The CIEP is a full-time programme that has an intake every month of the year. This 10-level programme, from Beginner to Advanced (Level 100 – 109), is designed to improve students' English proficiency to the standard required by UPM in the fastest time possible. To gain admission into the UPM programme, students will need to complete CIEP Level 109. Prior to beginning at ELS, students will be given a placement test to determine the CIEP level that best suits their English capabilities. They will begin their English classes at this level, learning with peers of similar English abilities – to ensure a conducive and effective learning environment.

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

FIELDS OF STUDY

*Subject to change from time to time

PROGRAMMES BY RESEARCH*

Master of Arts (M.A.)
Master of Science (M.S.)
Master of Veterinary Science (M.V.Sc.)
Doctor of Philosophy (Ph.D.)
Doctor of Engineering (D.ENG.)

AGRICULTURE (pg 46)

Agribusiness
Agricultural Economics
Agricultural Extension
Agricultural technology

Agronomy
 Animal Behavior and Welfare
 Animal Biotechnology
 Animal Nutrition
 Animal Physiology
 Animal Production
 Animal Science
 Animal Waste Management
 Animal Welfare
 Aquaculture
 Biodiversity and Conservation of Natural Resources
 Entomology
 Environmental Pollution Control Technology
 Environmental Quality and Conservation
 Farm Structures
 Fisheries Science
 Food Biotechnology
 Food Safety
 Food Science
 Food Technology
 Genetics
 Genetics and Breeding
 Halal Products Development
 Halal Products Management
 Halal Products Science
 Horticulture
 Land Resource Management
 Marine Ecology and Biodiversity
 Microbial Biotechnology
 Microbiology
 Molecular Biology and Genetic Engineering
 Molecular Biotechnology
 Nutrition
 Pest Management
 Plant Pathology
 Plant Science
 Soil Science
 Theriogenology and Cytogenetics
 Wildlife and Exotic Animal Health
 Wildlife Ecology and Management

AGRICULTURE AND FOOD SCIENCES (BINTULU SARAWAK CAMPUS) (pg 80)

Agribusiness
 Agricultural Technology
 Agronomy
 Analytical Chemistry
 Animal Production
 Applied Mathematics
 Aquaculture
 Biodiversity and Conservation of Natural resources
 Bioinformatics and System Biology
 Bioresource and Technology
 Business Economics

Ecology
 Economics
 Entomology
 Environmental Hydrology and Hydrogeology
 Environmental Quality and Conservation
 Fisheries Science
 Food Biotechnology
 Food Science
 Forest Management and Ecosystem Sciences
 Genetics and Breeding
 Horticulture
 Human Development
 Land Resource Management
 Landscape Studies
 Marine and Freshwater Ecosystems
 Marine Ecology and Biodiversity
 Materials Science
 Microbial Biotechnology
 Microbiology
 Molecular Biology and Genetic Engineering
 Molecular Biotechnology
 Pest Management
 Philosophy and Civilization Studies
 Physics
 Plant Biotechnology
 Plant Pathology
 Plant Physiology
 Pure Mathematics
 Soil Science
 Sustainable Recreation and Ecotourism
 Wildlife Ecology and Management

BIOTECHNOLOGY & BIOMOLECULAR SCIENCES (pg 76)

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

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY (pg 74)

Agricultural Technology
 Bioinformatics and System Biology
 Computer and Embedded Systems Engineering

Computer Networks
 Database Systems
 Human Computer Interaction
 Information Systems
 Intelligent Systems
 Multimedia Computing
 Parallel and Distributed computing
 Security in Computing
 Signal Processing
 Software Engineering
 Wireless Communications and Networks Engineering

DESIGN AND ARCHITECTURE (pg 70)

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

ECONOMICS AND MANAGEMENT (pg 52)

Business Economics
 Economics
 Tourism
 Hospitality

EDUCATIONAL STUDIES (pg 58)

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

ENGINEERING (pg 54)

Aerospace Engineering
 Agricultural Mechanisation and Automation
 Agricultural Process Engineering
 Agricultural Waste Engineering
 Automotive Engineering
 Biochemical Engineering
 Biomedical Engineering
 Chemical Engineering
 Computational Methods in Engineering
 Computer and Embedded Systems Engineering



Computer Networks
Control System Engineering
Electrical Power Engineering
Electronic Engineering
Environmental Engineering
Farm Structures
Food Engineering
Geographic Information System
Geospatial Engineering
Geotechnical and Geological Engineering
Highway and Transportation Engineering
Industrial Engineering
Manufacturing Systems Engineering
Materials Engineering
Mechanical Engineering
Packaging Engineering
Photonics Engineering
Project Management
Remote Sensing
Safety, Health and Emergency Management
Sensor Technology
Signal Processing
Soil and Water Engineering
Structural Engineering
Water Resources Engineering
Wireless Communications and Networks Engineering

ENVIRONMENTAL STUDIES (pg 78)

Environmental Education and Ethics
Environmental Hydrology and Hydrogeology
Environmental Economics, Planning and Management
Environmental Policy and Governance
Environmental Pollution Control Technology
Environmental Quality and Conservation
Environmental System and Modeling
Marine and Freshwater Ecosystem

FOOD SCIENCE AND TECHNOLOGY (pg 62)

Food Technology
Food Service Management
Food Science
Food Safety
Food Management
Food Biotechnology
Molecular Biology and Genetic Engineering
Hospitality
Halal Products Management

FORESTRY (pg 48)

Bioresource and Technology
Forest Management and Ecosystem

Sciences
Sustainable Recreation and Ecotourism
Wildlife Ecology and Management

HUMAN ECOLOGY (pg 64)

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

MEDICINE AND HEALTH SCIENCES (pg 70)

Applied Physics
Biochemistry
Bioinformatics and System Biology
Cancer Biology and Oncology
Chemical Pathology
Clinical Nutrition
Community Nutrition
Environmental Health
Epidemiology and Biostatistics
Forensic Science
Haematology
Health Education and Communication
Health Promotion
Health Service Management
Human Anatomy
Human Genetics
Human Physiology
Immunobiology
Immunopharmacology
Materials Science
Medical Microbiology
Medical Parasitology
Medical Sciences
Microbial Biotechnology
Molecular Biology and Genetic Engineering
Molecular Biotechnology
Molecular Imaging
Molecular Medicine
Neuroscience
Nursing
Nutritional Sciences
Occupational Safety and Health
Pharmacology and Toxicology
Psychological Medicine
Public Health
Radiology and Imaging
Safety, Health and Emergency

Management
Social Gerontology
Stem Cell
Structural Biology
Youth Studies

MODERN LANGUAGES AND COMMUNICATION (pg 68)

Applied Comparative Linguistics
Arabic Language
Chinese Literature
Communication Technology
Development Communication
Discourse Studies
English Language
English Literature
Human Communication
Journalism (Masters only)
Literary and Cultural Studies
Literacy Studies
Malay Language
Malay Literature
Mass Communication
Organizational Communication
Translation and Interpretation

SCIENCE (pg 60)

Advanced Materials
Agricultural Extension
Agricultural Technology
Analytical Chemistry
Animal Physiology
Animal Production
Applied Mathematics
Applied Physics
Aquaculture
Aquatic Animal Health
Aquatic Biotechnology
Bacteriology
Biochemistry
Biocomposite Technology and Design
Biodiversity and Conservation of Natural Resources
Bioresource Management
Biotherapeutics
Cancer Biology and Oncology
Catalysis
Ecology
Energy
Entomology
Environmental Biotechnology
Environmental Health
Environmental Quality and Conservation
Enzyme Biotechnology
Epidemiology and Biostatistics
Epidemiology and Public Health
Fisheries Science
Food Engineering

Genetics
Halal Products Development
Industrial Biotechnology
Inorganic Chemistry
Marine and Freshwater Ecosystem
Materials Science
Medical Parasitology
Medicinal Chemistry
Metabolomics
Microbial Biotechnology
Microbiology
Molecular Biotechnology
Nanomedicine
Nanoscience
Nanotechnology
Neuroscience
Numerical Analysis
Organic Chemistry
Pest Management
Pharmacology and Toxicology
Physical Chemistry
Physics
Phytochemistry
Plant Biotechnology
Plant Pathology
Plant Physiology
Pure Mathematics
Sensor Technology
Statistics
Stem Cell
Structural Biology
Theoretical and Computational Chemistry
Theoretical and Computational Physics
Wildlife Ecology and Management

VETERINARY MEDICINE (pg 50)

Agribusiness
Anaesthesiology and Analgesic+
Anatomy and Histology
Animal Biotechnology
Animal Physiology
Animal Production
Animal Science
Animal Welfare
Aquaculture
Aquatic Animal Health
Avian Medicine*
Bacteriology
Biochemistry
Cancer Biology and Oncology
Clinical Pathology
Epidemiology and Public Health
Equine Medicine
Genetics and Breeding
Immunobiology
Laboratory Animal Medicine+
Molecular Biology and Genetic

Engineering
Nutrition
Parasitology
Pathology
Pharmacology and Toxicology
Radiology and Imaging+
Ruminant Medicine+
Small Animal Medicine+
Surgery+
Swine Medicine
Therigenology and Cytogenetics
Vaccine and Therapeutics
Virology
Wildlife and Exotic Animal Health
+fee rate is equivalent to medical field

HALAL PRODUCTS RESEARCH (pg 92)

Halal Products Science
Halal Products Development
Halal Products Management+
Shariah and Halal Laws+
+fee rate is equivalent to social science field

MATHEMATICAL RESEARCH (pg 88)

Analytical and Structural Mathematics
Applied and Computational Statistics
Computable Structures and Scientific Computing
Computational Electromagnetics
Computational Mathematics
Computational Operations Research
Ethnomathematics
Financial Mathematics
Fluid Dynamics
History and Philosophy of Mathematics
Mathematical and Computational Biology
Mathematical Cryptography
Mathematical Physics and Engineering
Mathematics Education
Parallel and Distributed Computing
Security in Computing

ADVANCED TECHNOLOGY (pg 84)

Advanced Materials
Agricultural Mechanisation and Automation
Analytical Chemistry
Chemical Engineering
Electronic Engineering
Energy
Green Engineering
Materials Engineering
Materials Science
Nanoscience
Nanotechnology
Sensor Technology

AGRICULTURAL AND FOOD POLICY STUDIES (pg 90)

Agricultural Policy
Natural Resource Policy

BIOSCIENCE (pg 82)

Aquatic Biotechnology
Bioinformatic and System Biology
Biotherapeutics
Cancer Biology and Oncology
Cell Biotechnology
Enzyme Biotechnology
Genetics
Human Genetics
Immunobiology
Industrial Biotechnology
Marine and Freshwater Ecosystem
Marine Ecology and Biodiversity
Medical Biotechnology
Medicinal Chemistry
Metabolomics
Microbial Biotechnology
Molecular Biotechnology
Nanomedicine
Pharmacology and Toxicology
Phytochemistry
Vaccine and Therapeutics

GERONTOLOGY (pg 86)

Gerontechnology
Medical Gerontology
Social Gerontology

SOCIAL SCIENCE STUDIES (pg 96)

Community Education and Development
Leadership Studies
Rural Advancement
Youth Studies

TROPICAL AGRICULTURE (pg 98)

Agronomy
Animal Behavior and Welfare
Animal Biotechnology
Animal Nutrition
Animal Physiology
Animal Production
Animal Waste Management
Bioinformatics and System Biology
Food Safety
Genetics and Breeding
Horticulture
Microbial Biotechnology
Molecular Biology and Genetic Engineering
Plant Biotechnology
Plant Pathology
Plant Physiology
Post-harvest Technology



Soil Science
Weed Science

TROPICAL FORESTRY AND FOREST PRODUCTS (pg 94)

Biocomposite Technology and Design
Biopolymer, Pulp and Paper Technology
Bioresource Management
Environmental Quality and Conservation
Forest Management and Ecosystem Sciences
Materials science
Microbial Biotechnology
Nanobiotechnology
Natural Resource Policy
Tropical Rainforest Ecosystem Services

PROGRAMMES BY COURSEWORK*

Faculty of Agriculture

Master of Land Resources Management
Master of Plantation Management

Faculty of Computer Science and Information Technology

Master of Computer Science

Faculty of Economics and Management

Master of Economics

Faculty of Design and Architecture

Master of Landscape Architecture**

Faculty of Educational Studies

Master of Education (Curriculum and Instruction)
Master of Education (Educational Administration)
Master of Education (Educational Psychology)
Master of Education (Educational Technology)
Master of Education (Guidance and Counselling)
Master of Education (Physical Education)
Master of Education (Sport Science)
Master of Education (Teaching of English as a Second Language (TESL))
Master of Education (Teaching of Malay as a First Language)
Master of Education (Technical and Vocational Education)
Master of Human Resource Development

Faculty of Engineering

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

Faculty of Environmental Studies

Master of Environment

Faculty of Food Science and Technology

Master of Food Technology*
Master Food Safety and Quality Assurance*

Faculty Medicine and Health Sciences (handled by Ministry of Health Malaysia)

Master of Medicine
(Anaesthesiology)***
Master of Medicine (Family Medicine) ***

Master of Medicine (Paediatrics) ***
Master of Medicine (Psychiatry) ***
Master of Medicine (Internal Medicine) ***

Master of Medicine (Radiology) ***
Master of Pathology***
Master of Surgery (Orthopaedics) ***
Master of Public Health
Doctor of Public Health
local candidates only***
local and international candidate****

Faculty Modern Languages and Communication

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

Faculty of Science

Master of Applied Statistics



Faculty of Veterinary Medicine

Master of Veterinary Medicine*

* Open for First Semester (September intake) only

** Open for Second Semester (February intake) only

APPLICATION FOR ADMISSION (ONLINE ONLY)

For Online admission and further information about programmes. Please visit: <http://www.sgs.upm.edu.my>

For enquiries, please email: sgs_admission@upm.edu.my

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PROGRAM BY FACULTY & INSTITUTE



- FACULTY OF AGRICULTURE
- FACULTY OF FORESTRY
- FACULTY OF VETERINARY MEDICINE
- FACULTY OF ECONOMICS & MANAGEMENT
- FACULTY OF ENGINEERING
- FACULTY OF EDUCATIONAL STUDIES
- FACULTY OF SCIENCE
- FACULTY OF FOOD SCIENCE AND TECHNOLOGY
- FACULTY OF HUMAN ECOLOGY
- FACULTY OF MODERN LANGUAGES AND COMMUNICATION
- FACULTY OF DESIGN AND ARCHITECTURE
- FACULTY OF MEDICINE AND HEALTH SCIENCES
- FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
- FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES
- FACULTY OF ENVIRONMENTAL STUDIES
- FACULTY OF AGRICULTURE & FOOD SCIENCES, UPMKB
- INSTITUTE OF BIOSCIENCE
- INSTITUTE OF ADVANCED TECHNOLOGY
- MALAYSIAN RESEARCH INSTITUTE ON AGEING
- INSTITUTE OF MATHEMATICAL RESEARCH
- INSTITUTE OF AGRICULTURAL AND FOOD POLICY STUDIES
- INSTITUTE OF HALAL PRODUCT RESEARCH
- INSTITUTE OF TROPICAL FORESTRY & FOREST PRODUCTS
- INSTITUTE OF SOCIAL SCIENCES STUDIES
- INSTITUTE OF TROPICAL AGRICULTURE
- INSTITUTE OF PLANTATION STUDIES

FACULTY OF AGRICULTURE

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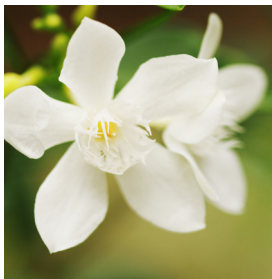


www.agri.upm.edu.my

ONE OF THE THREE FOUNDING FACULTIES OF UPM, THE FACULTY OF AGRICULTURE IS THE FOREMOST AGRICULTURAL KNOWLEDGE CENTRE IN MALAYSIA. THE FACULTY ASSUMES A MAJOR ROLE IN FINDING SOLUTIONS TO CURRENT AGRICULTURAL PROBLEMS FACED BY THE COUNTRY AND ENSURES DEVELOPMENT OF THE NATIONAL AGRO-INDUSTRY OVER THE LONG TERM BY AN OUTPUT OF TRAINED VISIONARIES AND COMPETITIVE GRADUATES.

THE FACULTY PRODUCES PROFESSIONALS CHARACTERISED BY ENTREPRENEURSHIP AND HIGH TECHNICAL CAPABILITY WHO CAN CONTRIBUTE TO KNOWLEDGE, WEALTH CREATION AND NATION BUILDING THROUGH THEIR SCHOLARSHIP, RESEARCH AND COMMERCIALIZATION PROWESS.





PROGRAMMES OFFERED

BACHELOR DEGREES

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

DEGREE WITHOUT THESIS

Master in Plantation Management
Master in Land Resource Management

DEGREE WITH THESIS (COURSEWORK AND RESEARCH)

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

RESEARCH FOCUS

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

CAREER OPPORTUNITIES

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

ACHIEVEMENTS

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

- A-GrowAL : A technology to decrease lodging incidences in rice through increased culm strength.
- Akar Putra Breed: The best village chicken-jungle fowl combination.
- Gano Care (Organic fertilizer Ganoderma disease control)



FACULTY OF FORESTRY

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FACULTY OF FORESTRY

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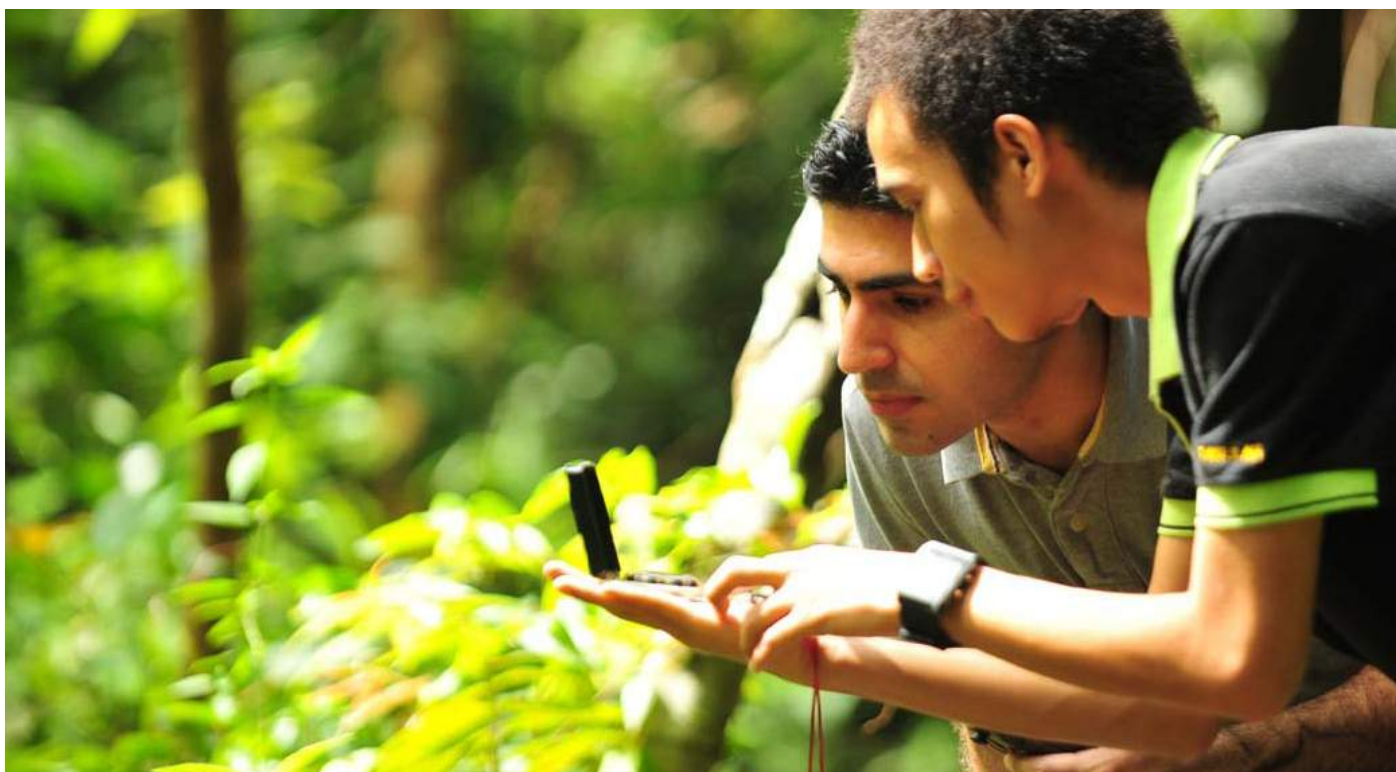
www.forr.upm.edu.my

THE FACULTY OF FORESTRY IS ONE OF THE PIONEERING FACULTIES OF UPM AND FOCUSES ON FOREST MANAGEMENT, WOOD INDUSTRY AS WELL AS RECREATIONAL AND ECOTOURISM.

STUDENTS ARE TRAINED TO PRODUCE RESEARCH FINDINGS THAT ARE RELEVANT AND AHEAD OF THIS RELEVANT SECTOR, CONTRIBUTING TO SUSTAINABLE FOREST MANAGEMENT, DEVELOPMENT OF FOREST RESOURCE-BASED INDUSTRIES AND MANAGING MANPOWER REQUIREMENTS IN THE FOCUS AREAS.

PROGRAMMES OFFERED

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





POSTGRADUATE

- a. Doctor of Philosophy (PhD)
- b. Master of Science (MS)

FIELDS OF STUDY

- a. Forest Management and Ecosystem
- b. Wildlife Ecology and Management
- c. Bioresource and Technology
- d. Sustainable Recreation and Ecotourism

FORESTRY AND BIODIVERSITY RESEARCH CLUSTER

Research Programme

- a. Biodiversity Conservation and Sustainable Management
- b. Sustainable Tourism and Recreation
- c. Tropical Forest Ecosystem Services and Valuation
- d. Biofibre Sciences and Technology

CAREER OPPORTUNITIES

Employment opportunities encompass government and non-government agencies, private organizations involved

in forest management, wood industries, management of wildlife, management of parks and eco-tourism.

ACHIEVEMENTS

The Faculty has produced 3024 graduates in Bachelor of Forestry Science from 1977 – 2015. For the past five years, the achievements have been noteworthy:

- a. MS (2005 - 2015) : 176
- b. Ph.D (2005 - 2015) : 55
- c. Total of Research Grants (2012-2015) : RM 5,409,564.00
- d. Total of Publication (2012-2015), Journal: 478, Book: 34

SULTAN IDRIS SHAH FORESTRY EDUCATION CENTRE (SISFEC)

The Sultan Idris Shah Forestry Education Centre (SISFEC) was established by the Faculty of Forestry, UPM. In 2012, it was officiated by the Chancellor of UPM, Sultan of Selangor, Sultan Sharafuddin Idris Shah. Through an agreement with the Selangor state government in 1996, UPM was granted



permission to manage and conduct activities related to education, research and forestry development for 99 years ending in 2095.

The Ayer Hitam Forest Reserve where SISFEC is located in is home to 430 flowering plant species, 33 fern species, 127 timber species and 99 herb species. It is also a home to 5 out of 10 large mammal species in Peninsular Malaysia, 208 bird species including 35 endangered species and 30 migratory species, 14 small mammal species including the slow loris, 13 bat species, 18 frog species, 2 reptile species and 10 fish species.

SISFEC receives an average of 4,000 visitors per year, comprising practical students, students from other universities on educational tours and participants from programmes organised by the forestry-related bodies.



FACULTY OF VETERINARY MEDICINE

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THE FACULTY OF VETERINARY MEDICINE OFFERS COMPREHENSIVE VETERINARY EDUCATION AND TRAINING IN THE DOCTOR OF VETERINARY MEDICINE (DVM) PROGRAMME AND POST GRADUATE PROGRAMMES NAMELY DOCTOR OF PHILOSOPHY (PHD), MASTER OF VETERINARY SCIENCE (MVSC), MASTER OF SCIENCE (MS) AND MASTER OF VETERINARY MEDICINE (MVM). THESE PROGRAMMES ARE SUPPORTED BY SIX DEPARTMENTS OF THE FACULTY; THE DEPARTMENT OF VETERINARY PRE-CLINICAL SCIENCES, DEPARTMENT OF VETERINARY PATHOLOGY AND MICROBIOLOGY, DEPARTMENT OF VETERINARY CLINICAL STUDIES, DEPARTMENT OF COMPANION ANIMAL MEDICINE AND SURGERY, DEPARTMENT OF FARM AND EXOTIC ANIMAL MEDICINE AND SURGERY, AND DEPARTMENT OF VETERINARY LABORATORY DIAGNOSIS. IN ADDITION THE FACULTY HAS ESTABLISHED THE CENTRES OF EXCELLENCE (COE) NAMELY COE OF RUMINANTS, COE OF WILDLIFE HEALTH AND CONSERVATION, AND COE OF SWIFLETS. UPM IS THE FIRST AND ONLY INSTITUTION OF HIGHER EDUCATION



IN MALAYSIA, WITH A WELL-EQUIPPED UNIVERSITY VETERINARY HOSPITAL (UVH) AND VETERINARY LABORATORY SERVICES UNIT (VLSU) THAT PROVIDES CLINICAL TRAINING FOR DVM UNDERGRADUATES AND POSTGRADUATE STUDENTS, AND COMPREHENSIVE CONSULTATION, TREATMENT AND SURGERY, LABORATORY DIAGNOSIS AND OTHER VETERINARY-RELATED SERVICES TO THE PUBLIC, INCLUDING REFERRALS FROM VETERINARY PRACTITIONERS. UVH IS SITUATED WITHIN THE VETERINARY COMPLEX OF THE FACULTY OF VETERINARY MEDICINE. TEACHING OF DVM AND POSTGRADUATE STUDENTS, AND PROFESSIONAL SERVICES FOR THE PUBLIC AT UVH ARE CONDUCTED BY OUR EXPERTS: THE PROFESSORS AND LECTURERS, AND SUPPORTED BY OUR VETERINARY OFFICERS, AND PARAPROFESSIONALS FROM THE DIFFERENT DEPARTMENTS WITH EXPERTISE IN VARIOUS DISCIPLINES OF VETERINARY MEDICINE, NAMELY INTERNAL MEDICINE, SURGERY AND ANAESTHESIOLOGY, VETERINARY IMAGING (CT, RADIOLOGY, ULTRASONOGRAPHY), CARDIOLOGY, NEUROLOGY, ONCOLOGY AND REPRODUCTION ACROSS THE SPECIES.

PROGRAMMES OFFERED

Undergraduate

- Degrees Doctor of Veterinary (DVM)

Postgraduate

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

Research Focus

- Zoonotic and Emerging Diseases
- Animal Model in Biomedical Research
- Wildlife Health and Conservation
- Fish Health Management
- Diagnostic Technology on Animal Diseases

- Multidrug Resistant Microbial Populations Impact on Veterinary and Public Health
- Veterinary Biologics and Pharmaceuticals
- Edible Bird Nest Swiftlet Production, Health and Product Quality
- Ruminant Diseases and Herd Health Management
- Non-ruminant Disease of Economic Importance
- Companion Animal Health and Welfare
- Veterinary and Comparative Oncology
- Livestock and Veterinary Reproductive Biotechnology
- Impacts if Animal Metabolism in Disease Production

CAREER OPPORTUNITIES

Graduates of the Faculty can gain employment as Veterinary Officers or Veterinary Practitioners in government agencies, statutory bodies and private companies involved in animals, animal products and by product-related industries. Entrepreneurial graduates can establish and operate their own veterinary clinics. The DVM graduates are well-trained to serve in other sectors such as academic, research, animal industries and veterinary as well as medical institutions.

ACHIEVEMENTS

- Receives the MSISO 9001:1994 certification in 2000, making the Faculty the first institution of higher learning in the nation to receive comprehensive certification in the teaching, research and professional services.
- Awarded MS ISO 17025:2005 accreditation for laboratories testing in 2008.
- Commercialised 4 animal vaccines and 1 diagnostic kit.
- One spin off company was formed and 12 research products patented in Malaysia, USA and Europe.
- Six professors of the faculty were awarded the prestigious National Academic Awards, Malaysia.

THE UNIVERSITY VETERINARY HOSPITAL (UVH)

The University Veterinary Hospital (UVH) was established in 1975 by the Faculty of Veterinary Medicine and Animal Science, Universiti Pertanian Malaysia. It went through a number of name changes until November 1996 when the name of UVH was adopted. It started with a small animal and ambulatory large animal clinics as well as laboratory services, and has since grown into what it is today, with hospital wards and outpatient clinics handling various animal species.

- UVH is equipped with the type of diagnostic and laboratory equipment found in a teaching hospital designed for the training of undergraduate and postgraduate students. Besides routine outpatient consultancy, UVH also offers specialized services in veterinary medicine and surgery, imaging as well as laboratory diagnosis. UVH has facilities to handle animals with severe or complicated diseases and those requiring intensive care. UVH also provides an ambulatory clinic for large animals.
- UVH supports and provides clinical cases and materials for studies and research of the Faculty of Veterinary Medicine. Research areas include:
 - surgery
 - critical care
 - epidemiology
 - internal medicine
 - clinical medicine & therapy
 - radiology & ultrasonography
 - theriogenology & cytogenetics
 - disease investigation & diagnosis

FACULTY OF ECONOMICS & MANAGEMENT (AACSB-ACCREDITED)

Contact us:

FACULTY OF ECONOMICS AND MANAGEMENT (AACSB-ACCREDITED)

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THE NEED FOR COMPETENT PROFESSIONALS IN THE FIELDS OF AGRIBUSINESS AND RESOURCE ECONOMICS LED TO THE FORMATION OF THE FACULTY OF ECONOMICS AND MANAGEMENT IN 1974. TODAY, THE FACULTY HAS THREE DEPARTMENTS TO CATER TO THE INCREASING DEMAND AND NEEDS OF VARIOUS INDUSTRIES.

PROGRAMMES OFFERED

Bachelor Degrees
Bachelor of Accounting
Bachelor of Economics
Bachelor of Business Administration

Postgraduate
Master of Economics,
Master of Science
Doctor of Philosophy (PhD)

Specialisations Offered
Business Economics, Financial Economics,
Development Economics, Industrial Economics,
International Economics, Resource and





Environmental Economics, Hospitality, and Tourism

Economics Department Courses

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

Management and Marketing Department Courses

- Management, Marketing, Human Resource Management, Business Law, Entrepreneur, Finance, International Business and Hospitality and Tourism.

Accounting and Finance Department Courses

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

RESEARCH FOCUS

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

CAREER OPPORTUNITIES

Occupation can be sought in the public and private sectors as economists, economic

planners, chartered accountants, auditors, tax advisors, management consultants, company secretaries, academicians, researchers, entrepreneurs, bankers, executives in marketing, finance, operation and human resource. Other functional areas in local and international organizations also include banking, real estate, manufacturing, commerce, telecommunication and various industries.

LEARNING OPPORTUNITIES FOR WORKING ADULTS

Facilitating the learning needs of working adults, the Executive Programme Unit offers part time bachelor degree programmes in the field of Economics, Business Administration and Accounting for those working in the public as well as the private sectors. These programmes are exactly the same as the programmes offered to full time students. Classes are conducted after office hours during weekdays and Saturdays and Sundays for those opting for the weekend mode. Students follow the trimester system and they complete their studies in 4 years.

ACHIEVEMENTS:

- The faculty is the first university in the country and the sixth in South East Asia to receive an accreditation from the international body, Association to Advance Collegiate Schools of Business (AACSB). AACSB accreditation is a feature of excellence in business education which is only obtained by less than five percent of business programmes in the world.
- SME@UPM Programme
The Faculty of Economics and Management at UPM, Serdang has been offering the SME@UPM Programme since June 2012. This Program is in collaboration with SME

corp. Malaysia and Pembangunan Sumber Manusia Berhad (PSMB). The main objective of the programme is to provide a structured learning opportunity to the CEO's of Small and Medium Enterprises (SMEs). This Programme is designed to develop capable human capital that drives innovativeness and creativity. The Programme adopts a hands on approach to ensure the participants gain knowledge in entrepreneurship and business tools. This Programme will also assist CEO's of SME's to develop insights, particularly on creative marketing, innovative business networking in order to become World Class CEOs, who are able to achieve innovativeness, competitiveness and sustainable business performance. SME@UPM Programme, through its special module 'Business Champion' aspires to produce entrepreneurs, who are passionate, creative, effective decision makers and hold cross disciplinary views in seizing opportunities and overcoming challenges.



FACULTY OF ENGINEERING

Contact us:

FACULTY OF ENGINEERING

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THE FACULTY OF ENGINEERING WAS ESTABLISHED IN 1975 AS THE FACULTY OF AGRICULTURAL ENGINEERING. FROM ONLY FOUR DEPARTMENTS, IT HAS GROWN INTO EIGHT DEPARTMENTS, FOCUSING ON SOME ADVANCED TECHNOLOGICAL FIELDS.

TODAY, THE FACULTY IS ONE OF THE LARGEST FACULTIES AT UPM WITH A STUDENT POPULATION OF OVER 3000. ITS LOCATED AT THE HEART OF THE MULTIMEDIA SUPER CORRIDOR (MSC) PROVIDES THE FACULTY WITH ACCESS TO THE ARRAY OF IT AND MULTIMEDIA FACILITIES AVAILABLE IN THE CORRIDOR.

TO DATE, THE FACULTY BOASTS EIGHT DEPARTMENTS - THE DEPARTMENTS OF AEROSPACE ENGINEERING, CIVIL ENGINEERING, BIOLOGICAL AND AGRICULTURAL ENGINEERING, ELECTRICAL AND ELECTRONIC ENGINEERING, CHEMICAL AND ENVIRONMENTAL ENGINEERING, COMPUTER AND COMMUNICATION SYSTEMS ENGINEERING, MECHANICAL AND MANUFACTURING ENGINEERING, PROCESS AND FOOD ENGINEERING - OFFERING





EIGHT BACHELOR PROGRAMMES AND 34 POSTGRADUATE PROGRAMMES.

IN LINE WITH UPM'S INSPIRATIONAL MOTTO, 'WITH KNOWLEDGE WE SERVE', THE ENGINEERING FACULTY IS FULLY COMMITTED TOWARDS HELPING STUDENTS DEVELOP HOLISTICALLY, DISCOVER CUTTING EDGE KNOWLEDGE AND CONTRIBUTE TO THE CREATION OF WEALTH AND NATION-BUILDING.

GLOBAL RECOGNITION THROUGH QUALITY RESEARCH

The Faculty is also known as one of the country's leading R&D centres for its work in various Research Centres focusing on engineering and related fields. The quality of these research findings is tested through international journals, patents and publications awards.

Each year, the Faculty produces over 1,000 publications, including 250 journal articles. One of the objectives of such prodigious research activities is to elevate the Faculty's international status in order to receive its due recognition.

PROGRAMMES OFFERED

Bachelor Programme

Faculty of Engineering offers various Bachelor Degree Programmes which cover diverse fields of engineering as well as providing well-structured fundamental understanding through these 8 programmes that have been accredited by Engineering Accreditation Council Malaysia:

1. Bachelor of Engineering (Aerospace)
2. Bachelor of Engineering (Civil)
3. Bachelor of Engineering (Agricultural and Biosystems)
4. Bachelor of Engineering (Electrical and Electronic)
5. Bachelor of Engineering (Chemical)
6. Bachelor of Engineering (Mechanical)

7. Bachelor of Engineering (Process and Food)

8. Bachelor of Engineering (Computer and Communication Systems)

MASTERS WITHOUT THESIS

The Faculty of Engineering also offers Masters without Thesis in various programmes. Students enrolling under these programmes must fulfill a minimum of 40 credits for coursework with a minimum study period of 1½ years (3 semesters) and maximum of 2 years (4 semesters):

1. Emergency Response Planning
2. Engineering Management
3. Environmental Engineering
4. Environmental Technology Management
5. Highway & Transport Engineering
6. Innovation & Engineering Design
7. Manufacturing Systems Engineering
8. Process Safety & Loss Prevention
9. Remote Sensing & GIS
10. Structural Engineering & Construction
11. Water Engineering
12. Water Management

MASTERS WITH THESIS & PHD

The Faculty of Engineering also offers 34 fields of postgraduate studies with a minimum study duration of 1½ years (3 semesters) and maximum of 3 years (6 semesters) for Masters with Thesis Programmes and a minimum study duration of 2 years (4 semesters) and maximum of 5 years (10 semesters) for PhD:

1. Aerospace Engineering
2. Computational Methods in Engineering
3. Agricultural Mechanisation and Automation
4. Agricultural Waste Engineering
5. Farm Structures
6. Agricultural Process Engineering
7. Safety, Health and Emergency Management
8. Soil and Water Engineering
9. Biochemical Engineering
10. Chemical Engineering
11. Environmental Engineering
12. Materials Engineering
13. Geotechnical and Geological Engineering
14. Geographic Information System (GIS)



15. Highway and Transportation Engineering
16. Project Management
17. Remote Sensing
18. Geospatial Engineering
19. Structural Engineering
20. Water Resources Engineering
21. Wireless Communications and Networks Engineering
22. Computer and Embedded Systems Engineering
23. Signal Processing
24. Photonics Engineering
25. Biomedical Engineering
26. Control System Engineering
27. Electrical Power Engineering
28. Electronic Engineering
29. Industrial Engineering
30. Manufacturing Systems Engineering
31. Mechanical Engineering
32. Automotive Engineering

33. Food Engineering
34. Packaging Engineering

Doctor of Engineering (DEng) Program
The Faculty of Engineering offers a PhD industry known as Doctor of Engineering (DEng). The programme has a minimum study period of 5 semesters (2 ½ years) and maximum of 10 semesters (5 years). Candidates with relevant Bachelor and Masters degrees industrial experience are eligible to apply for this programme. The candidates can apply for the same PhD fields of study and have to be a supervisory committee member from the industry. This programme is well suited for engineers or researchers who wish to pursue a higher degree in the area of work in which they are employed.

MISSION

The Faculty of Engineering UPM aims to be a leading institution for the enhancement of engineering in the world.

To achieve this mission we will:

1. Develop the art and science of engineering for the well-being of mankind
2. Educate engineers to high standards of scientific, managerial and professional competence in harmony with the environment
3. Share our knowledge and skills with communities throughout the world





WIND TUNNEL (DEPARTMENT OF AEROSPACE ENGINEERING, FACULTY OF ENGINEERING UPM)

University Putra Malaysia's Faculty of Engineering was built in 1975 was known as Faculty of Agricultural Engineering with four (4) departments and now has grown into one of the best engineering schools in Malaysia. To date, the Faculty consist of eight (8) departments offering eight (8) Bachelor programmes and 34 postgraduate programs, with combined enrollment of over 3000 for undergraduate and postgraduate students. Faculty Engineering has been at the forefront of innovation, creating pivotal technologies that have transformed the worlds of aerospace, mechanical, civil, electrical, electronics, computer communications engineering, chemical environmental

engineering, biology agriculture engineering and food process engineering. As expert in engineering, faculty offers with full range of high technology engineering equipments. Wind tunnel is one of the most high technology facility in faculty representing a significant aerospace and mechanical engineering technology in our faculty. The wind tunnel owned by the Aerodynamic Laboratory of Aerospace Engineering Department which is designed to support for learning, research, consultation and testing services. It is monitored by laboratory expert which consist of professors, lecturers, technical experts and researcher within the department. The research interests include a wide range of fluid dynamic, combustion and propulsion problems and experiment on aerodynamics studies. Currently, department offer with two type of subsonic

wind tunnels; one is open circuit type was built in 2002 in a joint effort with the University of Gajamada Indonesia. A single return tunnel with a 1 m wide by 1 m high by 2 m long test section; is capable of continuous operation at velocities of over 45 m/s. While the other is closed circuit type which was built in 2015 with a same size test section. It is designed to operate at velocities of over 50 m/s. Tunnels was initially designed to study the effects of gusts on scaled model aircraft but has since been upgraded to suit a variety of applications. It is now fully owned by the University and is used for education and research to serve government and local industry as a well-equipped and useful subsonic wind tunnel resource. Both are built with large windows on the side of the test section allow for excellent model viewing. Force and moment data are obtained from a below-floor balance system capable of supporting models having specific gross weights. It resolves all six force and moment components. The wind tunnel facility also has instrumentation for the measurement and recording of operating pressures, the angle of attack or angle of yaw, tunnel static pressure, dynamic pressure and temperatures. A computer or data acquisition system is used to average and record the results.



FACULTY OF EDUCATIONAL STUDIES

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THE OBJECTIVES OF THE FACULTY OF EDUCATIONAL STUDIES ARE TO CONDUCT TEACHER EDUCATION PROGRAMME, CONDUCT POST-GRADUATE PROGRAMMES IN THE FIELDS OF EDUCATIONAL STUDIES AND HUMAN RESOURCE DEVELOPMENT, TO PROVIDE EXTENSION PROGRAMMES AND CONSULTANCY SERVICES WITHIN THE UNIVERSITY AS WELL AS TO THE COMMUNITY AT LARGE AND TO CONDUCT RESEARCH IN AREAS RELATED TO EDUCATIONAL STUDIES AND HUMAN RESOURCE DEVELOPMENT.

PROGRAMMES OFFERED DIPLOMA

- Diploma in Youth in Development Work

BACHELOR DEGREES

- Bachelor of Education (Agricultural Science)
- Bachelor of Education (Home Science)
- Bachelor of Education (Physical Education)
- Bachelor of Education (Teaching Bahasa)





- Malaysia as the First Language)
- Bachelor of Education (Teaching English as a Second Language)
- Bachelor of Education (Guidance and Counselling)
- Bachelor of Education (Moral Education)
- Bachelor of Science (Human Resource Development)

POSTGRADUATE

- Master of Human Resource Development
- Master of Education

Field of Study:-

- Curriculum and Instruction
- Educational Administration
- Educational Psychology
- Educational Technology
- Guidance and Counselling
- Physical Education
- Sports Science
- Teaching of English as a Second Language
- Teaching of Malay as a First language
- Technical and Vocational Education

- Master of Science & Doctor of Philosophy

Field of Study:-

- Curriculum and Instruction
- Educational Administration
- Educational Psychology
- Sociology of Education
- Educational Technology
- Extension Education
- Guidance and Counselling
- Human Resource Development
- Moral Education
- Physical 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
- Health Education and Communication

RESEARCH FOCUS

- Entrepreneurship and Leadership in Education
- Guidance and Counselling
- Vocational and Technical Education
- Extension and Continuing Education
- Potential Enhancement and Caring Education (PEaCE)
- Human Resource Development
- Teaching and Learning

ACHIEVEMENTS

- According to the 2014/2015 rating by QS World University Rankings, Universiti Putra Malaysia (UPM) is recognized as one of the world's top 100 best universities in the field of education.
- This recognition puts Universiti Putra Malaysia among the 100 best universities in the world where UPM has developed an international reputation with regard to academic standards and quality of graduates.
- Among the criteria in the rating is the construction of a strong academic profile, high-impact research, research and development in education and service to the public, as well as recognition from key stakeholders.

THE TEACHER EDUCATION ACCREDITATION COUNCIL (TEAC)

- Universiti Putra Malaysia (UPM) became the first institution of higher learning in Asia to receive accreditation for its teacher education programs from the international organization, The Teacher Education Accreditation Council (TEAC), which is based in Washington DC, USA.
- This recognition places the teacher education program at UPM comparable with teacher education programs of several leading universities in the US which receives accreditation from

TEAC, such as the University of Virginia, University of Nebraska, University of Michigan, Temple University and Rutgers University.

- The accreditation received for the Bachelor of Education program has highlighted UPM as an excellent higher learning institution in producing Bachelor of Education graduates at international level. A graduate possessing a Bachelor of Education degree from Universiti Putra Malaysia (UPM) is eligible to teach in the United States or countries that acknowledges TEAC as an accreditor of teacher-preparation programs. TEAC is an agency recognized by the US Department of Education and the Council for Higher Education Accreditation United States.
- The TEAC accreditation underwent by the Faculty was a three year comprehensive process in assuring the quality of teacher education programs offered meets the standard criteria of TEAC. The accreditation received by the Faculty of Educational Studies is the highest endorsement received from an international body of accreditation with the aim of producing competent, caring and qualified teachers.



FACULTY OF SCIENCE

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THE FACULTY OF SCIENCE COMPRISES THE DEPARTMENT OF BIOLOGY, DEPARTMENT OF CHEMISTRY, DEPARTMENT OF PHYSICS AND DEPARTMENT OF MATHEMATICS. UNDERGRADUATE PROGRAMMES ARE DESIGNED TO PROVIDE STUDENTS WITH SOLID BACKGROUND IN THEIR RESPECTIVE DISCIPLINES AND TO DEVELOP THEIR SCIENTIFIC PERSPECTIVES. TEACHING IS CONDUCTED BY WELL-TRAINED AND EXPERIENCED LECTURERS USING THE LATEST METHODOLOGY, SUPPORTED BY UP-TO-DATE FACILITIES IN A CONDUCIVE LEARNING ENVIRONMENT.

PROGRAMMES OFFERED

Undergraduate

- Bachelor of Science Honours Biology
- Bachelor of Science Honours Physics
- Bachelor of Science Honours Instrumentation Science
- Bachelor of Science Honours Materials Science
- Bachelor of Science Honours Chemistry





- Bachelor of Science Honours Industrial Chemistry
- Bachelor of Science Honours Petroleum Chemistry
- Bachelor of Science Honours Mathematics
- Bachelor of Science Honours Statistics

Postgraduate
Master of Science
Master of Applied Statistics
Doctor of Philosophy

FIELD OF STUDIES

Biology

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

Chemistry

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

Physics

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

Mathematics

- Statistics
- Applied Mathematics
- Numerical Analysis
- Pure Mathematics

RESEARCH AREA

Biology

- Biodiversity and Conservation
- Ecology
- Genetics
- Physiology

Chemistry

- Analytical Methods And Materials
- Catalysis
- Computational Chemistry
- Chemical Biology
- Electrochemistry
- Inorganic Synthesis
- Organic Synthesis
- Polymers

Mathematics

- Applied and Computational Mathematics
- Theoretical mathematics and mathematical Sciences
- Statistical Methods

Physics

- Condensed Matter Physics
- Instrumentation Sciences And Technology

- Lasers And Photonics
- Magnetic And Superconducting Materials
- Theoretical Physics

CAREER OPPORTUNITIES

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

ACHIEVEMENTS

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



FACULTY OF FOOD SCIENCE & TECHNOLOGY

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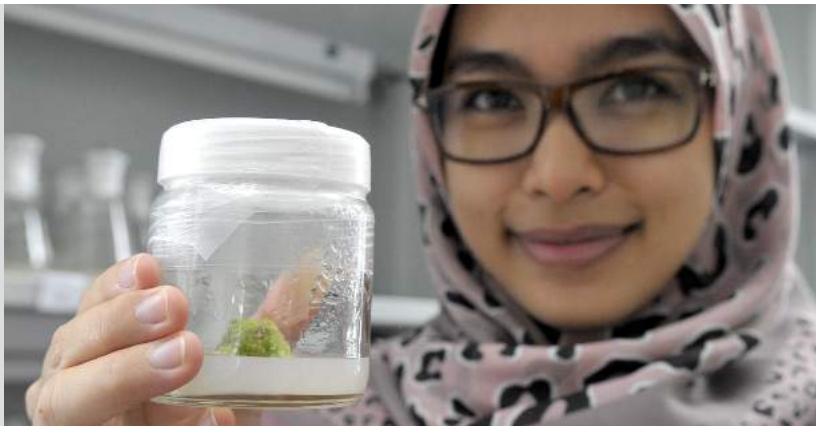


www.food.upm.edu.my

THE FACULTY OF FOOD SCIENCE AND TECHNOLOGY AT UPM IS THE MOST ESTABLISHED INSTITUTION OF ITS KIND IN MALAYSIA. IT OFFERS A RANGE OF ACADEMIC PROGRAMMES THAT FIT THE NEEDS OF THE FOOD MANUFACTURING AND FOOD SERVICE INDUSTRY, WITH STATE-OF-THE-ART TEACHING AND RESEARCH FACILITIES AVAILABLE. STUDENTS WILL BE EXPOSED TO VALUABLE EXPERIENCE THROUGH AN INNOVATIVE CURRICULUM; VARIED EXTRACURRICULAR ACTIVITIES; RESEARCH OPPORTUNITIES AND INTERNSHIPS.

THE FACULTY'S CENTRE OF EXCELLENCE FOR FOOD SAFETY RESEARCH (CEFSR) HAS EMERGED AS ONE OF THE TOP RESEARCH CENTRES IN THE UNIVERSITY WHILE THE SUPERCRITICAL FLUID CENTRE (SFC) WAS ESTABLISHED WITH THE OBJECTIVE OF DEVELOPING LOCAL RESEARCHERS





EXPERTS IN THE PRODUCTION OF FUNCTIONAL FOODS, FINE CHEMICALS, NUTRACEUTICALS AND PHARMACEUTICALS USING GREEN TECHNOLOGY. WITH NEARLY 30 YEARS OF EXPERIENCE, BOTH THE UNDERGRADUATE AND POSTGRADUATE PROGRAMMES ARE RECOGNIZED THROUGHOUT THE WORLD.

RESEARCH FOCUS

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

due to the renowned research expertise of the faculty members in food safety. This was immediately followed by the recognition and appointment of the NFSR as the information network coordinator in the field of microbiological risk assessment (MRA) for the Asia-Pacific region by the Food and Agriculture Organisation (FAO) of the United Nations regional office for Asia and the Pacific.

PROGRAMMES OFFERED

Bachelor

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

Postgraduate

Master of Science / Doctor of Philosophy in:

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

CAREER OPPORTUNITIES

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

- Another historic milestone was the establishment of the institute for research on halal products. The institute is now playing a major role in instituting halal issues in products marketed in Malaysia and for export purpose.

- The Faculty of Food Science and Technology was selected as the custodian for the Supercritical Fluid Technology platform acquired by the Malaysian Biotechnology Corporation. The Supercritical Fluid Technology (SFC) established in UPM has proven to be a valuable technology platform for production of functional foods, fine chemicals, nutraceuticals and pharmaceuticals.

ACHIEVEMENTS

- The Malaysian Health Ministry has selected the Faculty of Food Science and Technology as the institution of choice to establish the National Food Safety Research Centre (NFSR)

FACULTY OF HUMAN ECOLOGY

Contact us:

FACULTY OF HUMAN ECOLOGY

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THE FACULTY OF HUMAN ECOLOGY OFFERS MULTIDISCIPLINARY STUDIES FOCUSING ON HOLISTIC HUMAN DEVELOPMENT AND WELLBEING WITHIN THE CONTEXT OF THEIR ENVIRONMENT. AT PRESENT, THE FACULTY OF HUMAN ECOLOGY COMPRISES OF FIVE (5) DEPARTMENTS AND ONE (1) UNIT; HUMAN DEVELOPMENT AND FAMILY STUDIES, RESOURCE MANAGEMENT AND CONSUMER STUDIES, SOCIAL AND DEVELOPMENT SCIENCES, GOVERNMENT AND CIVILIZATION STUDIES, AND MUSIC. THE UNIT OF EXTERNAL EDUCATION AND INDUSTRIAL TRAINING FACILITATES THE RUNNING OF EXTERNAL PROGRAMME AND STUDENT INDUSTRIAL TRAINING AND ATTACHMENT. THE FACULTY OF HUMAN ECOLOGY IS THE ONLY FACULTY IN THE COUNTRY OFFERING BACHELOR OF HUMAN DEVELOPMENT SCIENCE AND BACHELOR OF CONSUMER STUDIES. THE CONSUMER FINANCE PACKAGE IN BACHELOR OF CONSUMER STUDIES HAS ALSO BEEN RECOGNISED BY THE FINANCIAL PLANNING ASSOCIATION OF MALAYSIA (FPAM) AND MALAYSIAN FINANCIAL PLANNING COUNCIL (MFPC).





IN ACCORDANCE WITH THE GOALS OF A RESEARCH UNIVERSITY, TWO (2) RESEARCH CENTRES OF EXCELLENCE, NAMELY THE FAMILY, ADOLESCENT AND CHILD RESEARCH CENTRE OF EXCELLENCE (FACE) AND SUSTAINABLE CONSUMPTION RESEARCH CENTRE (SCORE) WERE ESTABLISHED.

PROGRAMMES OFFERED

- Undergraduate
- Bachelor of Human Development Science
 - Bachelor of Consumer Studies
 - Bachelor of Music
 - Bachelor of Human Development Science with Management
 - Bachelor of Human Development Science with Information Technology

Postgraduate

- Master of Science
- Doctor of Philosophy

RESEARCH FOCUS

Community Development, Consumer Science, Family Ecology, Family Economics and Management, Gender and Development, Housing, Human Development, Music, Philosophy and Civilization Studies, Politics and Government, Psychology of Child Development, Social Psychology and Developmental Psychology.

ACHIEVEMENTS

- The Faculty of Human Ecology was appointed as the lead agency since 2010 by PERMATA Negara (National Early Childhood Education and Care Programme) to manage and run the PERMATA Negara educators training programme. This is a recognition of the faculty staffs expertise in the child development field.

- Prof. Dr. Jayum Jawan, professor of politics and government has been appointed as distinguished of Tun Abdul Razak Professorial Chair at Ohio University, USA from 2015 to 2017.

CAREER OPPORTUNITIES

A wide range of career opportunities await our graduates in government and private agencies. Employment opportunities for each programme among others are as follows:

- Bachelor of Human Development Science, Bachelor of Human Development Science with Management, Bachelor of Human Development Science with Information Technology. Community Development Officer, Youth and Sports Officer, Antidrug and Enforcement Officer, Medical Social Work Officer, Human Resource Manager, Administrator,

IT Officer, System Analyst and Programmer.

- Bachelor of Consumer Studies Enforcement Officer (Consumerism), Certified Financial Planner, Bank Officer, Insurance Officer, Marketing Executives and Entrepreneur.
- Bachelor of Music Members of the Orchestra, Composer, Music Therapist, Producer and Audio Expert.

**FAMILY, ADOLESCENT AND CHILD
RESEARCH CENTRE OF EXCELLENCE
(FACE)
FACULTY OF HUMAN ECOLOGY,
UNIVERSITI PUTRA MALAYSIA**

Realizing the importance of family in generating human capital that can meet the aspirations of the country's development, Family, Adolescent and Child Research



Centre of Excellence (FACE) was set up in 2008 aims to improve the quality of families', children and adolescents life through research, publications, teaching, and professional services in focused areas. Our vision is to be an established centre for research, services and consultancy in the areas of family, children and adolescents in Malaysia and the region. FACE is dedicated to improve the quality of life of families, children and adolescents through disseminations of research findings, teaching, advocacy and outreach within and outside the country.

Implementation of various activities addressed the following objectives:

1. To be a leading centre for research in the field of family, children and adolescents.
2. To serve as the main resource centre in the field of family, children and adolescents in the region.
3. To serve as a referral centre for early childhood development and provide training for early childhood educators.

4. To disseminate information and research findings through publications, trainings, workshops, seminars and conferences.
5. To provide consultation and professional services to government and private agencies, and the general public.

The existence of FACE supports the needs to have a balanced society in the new era whereby the development and advancement of the nation is made up of human capital that should be nurtured in a positive and functional family and social environment. FACE research and outreach programs on family, adolescents and children are targeting at enhancing nations quality manpower resources, thus continuity of nation building. This is in accord with government's efforts in developing and producing young citizens who are psycho-socially healthy and responsible, and consequently develop individuals and society that have integrity and able to contribute to inclusive and progressive nations.



TRAINING

FACE, Faculty of Human Ecology has been appointed as the lead training agency for PERMATA Negara programme. Since 2010, FACE has trained more than 3,000 early childhood educators.

FACILITIES AND INFRASTRUCTURE

FACE has two main child development laboratories known as Makmal Taska PERMATA (Nursery lab) and Makmal Pra-Sekolah (Pre-school lab). These laboratories serve as a lab-school for researchers to conduct research related to children and families. The lab-school is also used by students enrolling in Child Development related courses.

FACULTY OF MODERN LANGUAGES & COMMUNICATION

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ACTIVE AND EXCITING, THE FACULTY OF MODERN LANGUAGES AND COMMUNICATION MANAGES FOUR DEPARTMENTS. THE DEPARTMENT OF MALAY LANGUAGE CONDUCTS COURSES IN THE MALAY LANGUAGE AND LITERATURE. THE DEPARTMENT OF ENGLISH LANGUAGE OVERSEES COURSES IN ENGLISH LANGUAGE AND LITERATURE. ARABIC, CHINESE, FRENCH AND GERMAN ARE OFFERED AS MAJOR COURSES BY THE DEPARTMENT OF FOREIGN LANGUAGES. THE DEPARTMENT OF COMMUNICATION OFFERS MAJOR COURSES IN HUMAN COMMUNICATION, CORPORATE COMMUNICATION, JOURNALISM, AND BROADCASTING.

PROGRAMMES OFFERED

Bachelor Degrees

A. On-campus Programmes

Bachelor of Arts

- Malay Language and Linguistics
- Malay Literature





- English Language
- English Literature
- Foreign Languages (Arabic, Chinese, French, German)

Bachelor of Communication

B. Executive Programmes
Bachelor of Arts

- Malay Language and Linguistics
- English Language
- Foreign Languages (Arabic Major)

Bachelor of Communication

Postgraduate

Master of Arts/Master of Science/ Doctor of Philosophy in:
Applied Linguistics
Arabic Language
Chinese Literature
Cultural and Literary Studies
Communication Technology (Master Only)
Discourse Studies
Development Communication (Master Only)
English Literature
English Language
Human Communication
Journalism (Master Only)
Literacy Studies
Malay Language

Malay Literature
Mass Communication (PhD Only)
Organizational Communication (Master Only)
Translation and Interpretation
Master of Applied Linguistics
Master of Corporate Communication
Master of Malay Language
Master of Malay Literature
Master of World Literature

AREAS OF EXPERTISE

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

CAREER OPPORTUNITIES

Opportunities are abundant in the public and private sectors. They include among others jobs related to management, consultancy, training, advertising, public



relations, business entrepreneurship, publishing, education and research.

MALAY HERITAGE MUSEUM, FACULTY OF MODERN LANGUAGES AND COMMUNICATION

The museum was officially established in January 2013 with the special purpose of collecting, conserving and preserving ancient Malay artifacts to be documented and exhibited to the public and examined by researchers. Emphasis is placed on the collection and preservation of artifacts and treasures of civilization of the Malay in Peninsular Malaysia, covering: -

- Malay traditional architecture
- Malay Manuscripts
- Clothing and textiles
- Weaponry
- Malay household equipments

This museum is open to the general public to recognize and appreciate the greatness of the Malay heritage. For more detail, please visit our website <http://www.muziumwarisanmelayu.upm.edu.my/> or facebook <https://www.facebook.com/MuziumWarisanMelayu/>



FACULTY OF DESIGN AND ARCHITECTURE

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WAS OFFICIALLY ESTABLISHED IN JUNE 1996 AND BEGAN ITS OPERATION WITH THE OFFERING OF THE BACHELOR OF LANDSCAPE ARCHITECTURE AND MASTER OF LANDSCAPE ARCHITECTURE PROGRAMMES UNDER THE NEW DEPARTMENT OF LANDSCAPE ARCHITECTURE. SUBSEQUENTLY, THE DEPARTMENT OF ARCHITECTURE WAS ESTABLISHED IN 1999 AND LATER THE DEPARTMENT OF INDUSTRIAL DESIGN IN 2002. THE FACULTY TODAY IS A COMPLEX OF STYLISH BUILDINGS WHICH HOUSES THE FACULTY AND STUDENTS WITH UP TO DATE LEARNING FACILITIES AND EQUIPMENT. THE FACULTY BEGAN WITH AN ENROLMENT OF 40 STUDENTS. TODAY, IT HAS EXPANDED RAPIDLY OFFERING SIX PROGRAMMES WITH AN ENROLMENT OF NEARLY 700 STUDENTS AT THE UNDERGRADUATE, MASTER AND DOCTORAL LEVELS.

THE FACULTY AIMS TO:

- BECOME AN EXCELLENT SCHOOL IN FIELD OF SUSTAINABLE TROPICAL DESIGN AND CREATIVE ARTS





- PRODUCE CREATIVE AND INNOVATIVE GRADUATES WHO ARE CAPABLE OF SOLVING PROBLEMS USING DESIGN APPROACH IN ORDER TO MITIGATE SUSTAINABLE PROBLEMS WHILE UPHOLDING HUMANITY AND GENERATING WEALTH SIMULTANEOUSLY.

PROGRAMMES OFFERED

Bachelor Degrees

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

Postgraduate Degrees

- Master of Landscape Architecture (MLA) with coursework
- Master of Science (MS) with thesis:
 - a) Landscape Studies
 - b) Architectural Studies
 - c) Urban Planning and Design
 - d) Integrated Design Studies
 - e) Industrial Design Studies

- Doctor of Philosophy (PhD):
 - a) Landscape Studies
 - b) Architectural Studies
 - c) Urban Planning and Design
 - d) Integrated Design Studies
 - e) Industrial Design Studies

Research Focus

- Sustainable Design
- Environmental Design and Behaviour
- Environmental Design Technologies and Systems

CAREER OPPORTUNITIES

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

ACHIEVEMENTS

- Established Alam Cipta International Journal on Sustainable Tropical Design Research, a reference for research and practice on sustainable design in tropics. It positions designers as the "creative integrators" of advance technologies with the everyday needs of users and their communities.
- Established Sustainable Tropical Design Exhibition (STEdex). An indexed exhibition to disseminate creative and innovative ideas and sustainable solutions in the field of Built Environment and Industrial Design.
- Produced award-winning students and staff at local and international competitions and exhibitions
- Filed 1 patent and 52 IDS at local and international levels.



FACULTY OF MEDICINE & HEALTH SCIENCES

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FACULTY OF MEDICINE AND HEALTH SCIENCES
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THE FACULTY OF MEDICINE AND HEALTH SCIENCES OFFERS PROGRAMMES IN BOTH DISCIPLINES, COMPRISING 15 DEPARTMENTS. THE FACULTY IS LOCATED AT AN ACADEMIC COMPLEX NEXT TO THE SERDANG HOSPITAL. THE FACULTY FACILITATES THE ACTIVE LEARNING OF OVER 1,500 UNDERGRADUATE AND GRADUATE STUDENTS THROUGH DISSEMINATING KNOWLEDGE AND PRACTICAL TRAINING TOGETHER WITH OPPORTUNITIES IN RESEARCH.

THE COMPLEX HAS MANY FACILITIES WHICH INCLUDE ADMINISTRATIVE BUILDING, LIBRARY, LECTURE HALLS, TUTORIAL ROOMS AND TEACHING AND RESEARCH LABORATORIES. IN ADDITION, THERE ARE FOUR BLOCKS OF STUDENT HOSTELS WITH THE CAPACITY TO ACCOMMODATE 2,000 STUDENTS, A STUDENT CENTRE AND A FOOD COURT.





PROGRAMMES OFFERED

Bachelor Degrees
Doctor of Medicine
Bachelor of Science

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

Bachelor of Nursing

Postgraduate
Master of Science
Master of Public Health
Master of Pathology
Master of Psychiatry
Master of Paediatric
Master of Family Medicine
Master of Anaesthesiology
Doctor of Philosophy

RESEARCH FOCUS

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

CAREER OPPORTUNITIES

The programme produces professional graduates who fulfill the demands of the public and private sectors in the field of medicine and health sciences. They

qualify as medical doctors, dieticians, laboratory consultants, clinical nurses, nursing experts, science officers, safety and health executives, health inspectors, consultants, quality officers, researchers, lecturers, project coordinators relating to health sciences and many more.

ACHIEVEMENTS

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



FACULTY OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

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THE GLOBAL EVOLUTION AND SIGNIFICANCE OF COMPUTER STUDIES AND RESEARCH WERE STRATEGICALLY HARNESSSED BY UPM IN THE 1980S. SINCE THEN, THE FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY HAS KEPT PACE WITH THE RAPID GROWTH OF THE INDUSTRY. WHAT BEGAN WITH ONLY COURSES IN THE DIPLOMA AND BACHELOR OF COMPUTER SCIENCE HAS NOW EXPANDED SIGNIFICANTLY TO MEET THE DEMANDS OF INDUSTRY.

UNIQUE FACTORS OF THE FACULTY ARE ITS METHODS IN APPLYING KNOWLEDGE MANAGEMENT AND THE PROMOTION OF ONLINE TEACHING MATERIAL. SMALL CLASSES ALSO ENABLE STUDENTS TO RECEIVE PERSONAL ATTENTION AND GUIDANCE FROM THE FACULTY MEMBERS.

CURRENTLY, THE FACULTY CONSTITUTES FOUR DEPARTMENTS: DEPARTMENT OF MULTIMEDIA, DEPARTMENT OF COMPUTER SCIENCE, DEPARTMENT





OF SOFTWARE ENGINEERING AND
INFORMATION SYSTEMS AND DEPARTMENT
OF COMMUNICATION TECHNOLOGY AND
NETWORKS.

PROGRAMMES OFFERED

Bachelor Degrees

- Bachelor of Computer Science (Computer System)
- Bachelor of Computer Science (Multimedia)
- Bachelor of Computer Science (Computer Network)
- Bachelor of Software Engineering

Postgraduate

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

- Database Systems
- Security in Computing
- Software Engineering
- Information Systems

- Computer Networks
- Parallel and Distributed Computing
- Intelligent Systems
- Multimedia Computing
- Human Computer Interaction

RESEARCH FOCUS

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

CAREER OPPORTUNITIES

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

Achievements

- Inventions and innovations put out by the Faculty win awards on an annual basis.
- The Faculty has 6 patents and 10 copyrights under its name and also a range of published works that are shared with the industry.



FACULTY OF BIOTECHNOLOGY & BIOMOLECULAR SCIENCES

Contact us:

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THE FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES (BIOTECH UPM) WAS ESTABLISHED IN 2004 WITH THE MERGER OF TWO WELL-ESTABLISHED DEPARTMENTS, BIOTECHNOLOGY (ESTABLISHED IN 1986) AND MICROBIOLOGY & BIOCHEMISTRY (ESTABLISHED IN 1976). THE FACULTY COMES WITH WELL-EQUIPPED LABORATORIES AND EXPERIENCED ACADEMIC STAFF, ALL HOLDING PHD DEGREES IN THEIR RESPECTIVE FIELDS AND POSSESSING BROAD AND DEEP SCIENTIFIC KNOWLEDGE. BIOTECH UPM HAS FOUR DEPARTMENTS – (I) DEPARTMENT OF BIOCHEMISTRY, (II) DEPARTMENT OF BIOPROCESS TECHNOLOGY, (III) DEPARTMENT OF CELL AND MOLECULAR BIOLOGY, AND (IV) DEPARTMENT OF MICROBIOLOGY.





PROGRAMMES OFFERED

Undergraduate

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

Postgraduate

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

- Cell Biotechnology
- Biochemistry
- Bioinformatics and Systems Biology
- Environmental Biotechnology
- Enzyme Biotechnology
- Industrial Biotechnology
- Microbial Biotechnology
- Microbiology
- Nanobiotechnology
- Plant Biotechnology

- Structural Biology
- Molecular Biology and Genetic Engineering

RESEARCH FOCUS

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

CAREER OPPORTUNITIES

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

Nordisk, B.Braun, Guinness, Glaxo, Setron, Asiagreen, Green Note, MPOB, MARDI, FRIM, RRIM, MINT, the Prime Minister's Department, Ministry of Science, Technology & Innovation, Ministry of International Trade and Industry, Ministry of Education and Ministry of Agriculture and Agro-based Industry.

ACHIEVEMENTS

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

FACULTY OF ENVIRONMENTAL STUDIES

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THE FACULTY OF ENVIRONMENTAL STUDIES OF UPM IS THE ONLY ACADEMIC BODY OFFERING A DEGREE IN ENVIRONMENTAL SCIENCE AND MANAGEMENT IN MALAYSIA AT THE BACHELOR, MASTER AND DOCTORAL LEVELS, AND WAS THE FIRST TO INTRODUCE AN ENVIRONMENT PROGRAMME IN SOUTHEAST ASIA. THE FACULTY HAS TWO DEPARTMENTS- DEPARTMENT OF ENVIRONMENTAL SCIENCES AND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

PROGRAMMES OFFERED

Bachelor Degrees

Bachelor of Environmental Science and Technology

Bachelor of Environmental Management

Postgraduate

Master of Environment

Master of Science

Doctor of Philosophy





RESEARCH FOCUS

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

CAREER OPPORTUNITIES

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

ACHIEVEMENTS

- The Faculty of Environmental Studies is recognized as a 5-star faculty in terms of research achievements through Malaysian Research Assessment Instrument (MyRA) ratings by the Malaysian Ministry of Higher Education.

- Received more than RM 5 million in research funds from both domestic and international sponsors for its Environmental Forensics Research Centre (ENFORCE) which has produced numerous publications especially in international peer-reviewed journals.
- Seminars were successfully hosted and the Centre of Excellence (CoE) received many international visits.
- The CoE has also been appointed as an Education and Research Base (E&R Base) by Tokyo University of Agriculture and Technology, Japan. The two main functions of the E&R Base are to assist in the implementation of Overseas Field Training and Internship and to conduct routine environmental monitoring for the accumulation of field-based information. 102 103



FACULTY OF AGRICULTURE AND FOOD SCIENCES @ BINTULU CAMPUS

Contact us:

FACULTY OF AGRICULTURE AND FOOD SCIENCES
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THE FACULTY OF AGRICULTURE AND FOOD SCIENCES IS UNIQUE AS IT IS LOCATED IN UNIVERSITI PUTRA MALAYSIA BINTULU SARAWAK CAMPUS (UPMKB) IN EAST MALAYSIA. TODAY, THE FACULTY IS ONE OF ITS KIND TO FOCUS ON AGRO-BIO FIELDS SUCH AS AGRICULTURE, FORESTRY, FISHERY, ENVIRONMENT AND SOCIAL SCIENCE (ETHNIC AND SOCIETY).

RELEVANT AND COMPETITIVE ACADEMIC PROGRAMMES IN AGRICULTURE AND BIO-RESOURCE FIELDS ARE OFFERED, IN ADDITION TO THE SUBSTANTIAL INVESTMENTS MADE IN THE FACULTY'S R&D SYSTEMS TO PRODUCE MULTI-TALENTED GRADUATES. A COLLABORATIVE NETWORK WITH PRIVATE AND PUBLIC SECTORS OF THE INDUSTRIAL COMMUNITY HAS ALSO BEEN ESTABLISHED TO ENSURE UPMKB'S ACADEMIC PROGRAMMES ARE IN LINE WITH EDUCATIONAL PHILOSOPHIES AND FULFIL MARKET DEMANDS. THE DEPARTMENTS THAT MAKE UP THE FACULTY ARE CROP SCIENCE, FORESTRY SCIENCE, ANIMAL SCIENCES AND FISHERY, BASIC SCIENCE AND ENGINEERING AND SOCIAL SCIENCES.





PROGRAMMES OFFERED

Pre Diploma

- Pre Diploma Science

Diploma

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

Bachelor Degree

- Bachelor Science Bioindustry

Postgraduate

Master of Science and Doctoral Degree
(by Research):

- Agribusiness
- Agricultural Economics
- Agronomy
- Analytical Chemistry
- Animal Production
- Anthropology
- Aquaculture
- Aquatic Biology

- Aquatic Ecology
- Biochemistry
- Botany
- Chemistry
- Entomology
- Environmental Chemistry
- Food Biotechnology
- Forestry
- Horticulture
- Land Resource Management
- Material Science
- Mathematics
- Microbiology
- Molecular Biotechnology
- Plant Biotechnology
- Plant Pathology
- Soil Science
- Wildlife Ecology
- Wood Science

RESEARCH FOCUS

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



CAREER OPPORTUNITIES

Possible careers for graduates of this programme are in the manufacturing (livestock and crops) sectors, processing industries, industries related to industrial waste management, officers in agriculture, fishery, livestock, forestry, farming, agricultural engineering and agricultural businesses.



INSTITUTE OF BIOSCIENCE

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THE INSTITUTE OF BIOSCIENCE (IBS) IS A PREMIER RESEARCH CENTRE THAT OFFERS A CONDUCTIVE AND WORLD CLASS RESEARCH ENVIRONMENT. THE CENTRE HOUSES ONE OF THE BEST FACILITIES FOR BIOMEDICAL AND BIOTECHNOLOGY RELATED RESEARCH IN THE UNIVERSITY. CURRENTLY, IBS IS STEERED BY MORE THAN 40 SCIENTISTS WITH EXPERTISE IN VARIOUS FIELDS SUCH AS VETERINARY, MARINE AND BIOMEDICAL SCIENCES, BIOTECHNOLOGY AND AGRICULTURE WHO ARE ACTIVELY PURSUING INNOVATIVE RESEARCH.

IBS RESEARCH NICHE IS MOLECULAR BIOMEDICINE AND THERAPEUTICS, FOCUSING ON CUTTING EDGE INTERDISCIPLINARY RESEARCH IN DIAGNOSTICS AND THERAPEUTICS AGAINST INFECTIOUS DISEASES INCLUDING CANCER; DISCOVERY OF NEW ENTITIES, SUCH AS DRUGS, NUTRICEUTICALS AND NUTRI-COSMECEUTICALS FROM NATURAL RESOURCES; DEVELOPMENT OF VACCINES; AND MARINE BIOTECHNOLOGY.





IBS ALSO WORKS IN TANDEM WITH PRESTIGIOUS UNIVERSITIES AND AGENCIES AROUND THE WORLD IN SEARCH OF NOVEL IDEAS AND TO GENERATE BENEFICIAL INNOVATIONS FOR THE BENEFIT OF THE GLOBAL COMMUNITY. IBS IS ALSO RECOGNIZED BY THE MINISTRY OF HIGHER EDUCATION AS HIGHER INSTITUTION CENTRES OF EXCELLENCE (HICOE) IN THE COUNTRY FOR RESEARCH IN ANIMAL VACCINES AND THERAPEUTICS.

LABORATORIES

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

RESEARCH PROGRAMMES

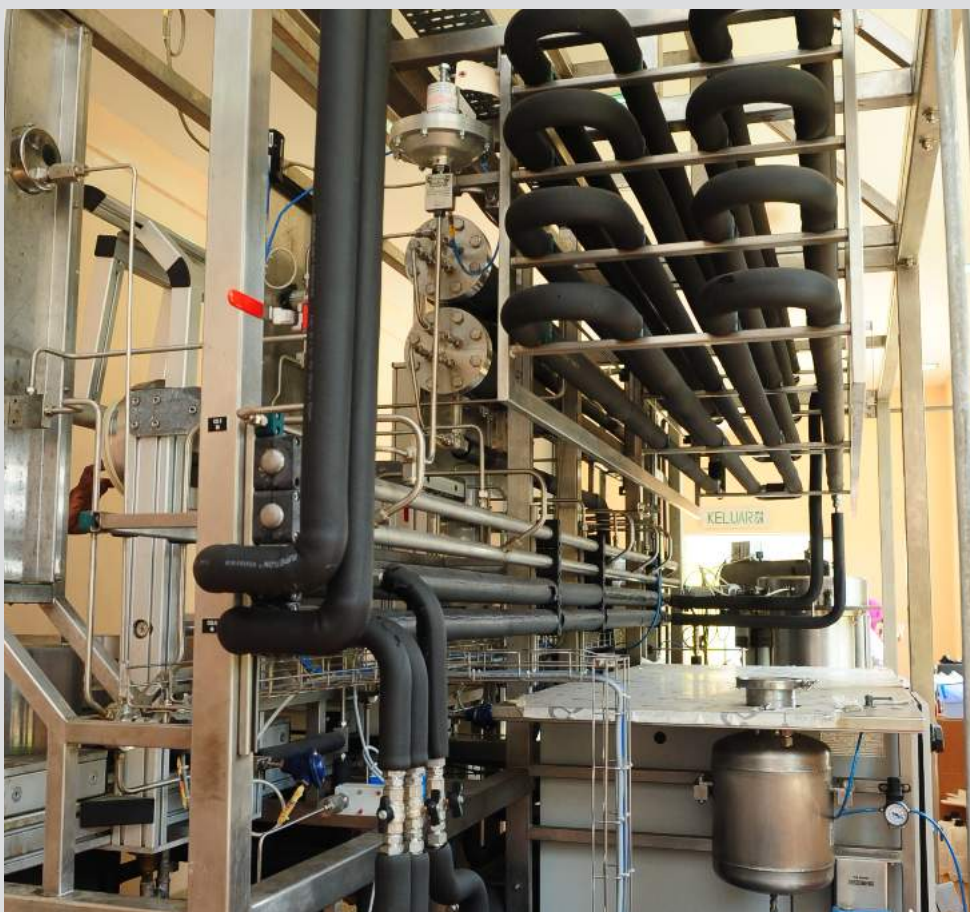
- Natural Products Discovery
- Natural Products Metabolomics
- Vaccines and Diagnostic Technologies
- Immunotherapeutics and Bioceuticals
- Nutri-Cosmeceutical, Nutrigenomics and Nanodelivery
- Therapeutics & Engineered Proteins
- Translational Genomics Research
- Cancer Diagnostics and Research Therapeutics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

FIELD OF STUDIES

- Bioinformatics & System Biology
- Cell Biotechnology
- Immunobiology
- Enzyme Biotechnology
- Industrial Biotechnology
- Microbial Biotechnology
- Cell Biotechnology
- Marine and Fresh Water Ecosystem
- Genetics
- Toxicology & Pharmacology

ACHIEVEMENTS

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



INSTITUTE OF ADVANCED TECHNOLOGY (ITMA)

Contact us:

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INSTITUTE OF ADVANCED TECHNOLOGY (ITMA), UNIVERSITI PUTRA MALAYSIA WAS ESTABLISHED IN 1999 AS AN INTERDISCIPLINARY ADVANCED RESEARCH INSTITUTE. IN LINE WITH UNIVERSITY'S RESEARCH RESTRUCTURING IN 2012, ITMA HAS REFORMED ITS NICHE AREA TO ADVANCED MATERIALS AND NANOTECHNOLOGY FOCUSING ON AREAS SUCH AS MATERIALS SYNTHESIS AND CHARACTERIZATION, MATERIALS PROCESSING AND TECHNOLOGY, AND MATERIALS APPLICATIONS IN SENSORS AND FUNCTIONAL DEVICES.

ITMA DEVELOPS WORLD-CLASS RESEARCH LABORATORIES, ATTRACTS RENOWNED RESEARCHERS AND TRAINS FUTURE RESEARCH LEADERS IN NICHE AREAS RELATED TO ADVANCED MATERIALS AND NANOTECHNOLOGY. ITMA SHARES ITS RESEARCH FINDINGS, EXPERTISE AND FACILITIES WITH RESEARCH COMMUNITIES AND INDUSTRIES THROUGHOUT THE WORLD.





LABORATORIES

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

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

ANALYTICAL LABORATORY

Institute of Advanced Technology (ITMA) provides an analytical laboratory which accommodates various equipment to meet the needs of research, especially in the areas of advanced materials and nanotechnology.

EQUIPMENT

- Ultra High Resolution Scanning Electron Microscope (FESEM) with Energy Dispersive X-Ray (EDX)
- RAMAN Spectroscopy

Institute of Advanced Technology (ITMA) provides testing services using a variety of equipments to meet the needs of research,

especially in the areas of advanced materials and nanotechnology. Testing and fabrication services offered are as follows:

1. Molecular analysis
2. Thermal analysis
3. Particle size analysis
4. Porosity testing
5. Mechanical testing
6. Chromatography testing
7. Magnetic characterization
8. Printed circuit board (PCB) fabrication



MALAYSIAN RESEARCH INSTITUTE ON AGEING (MyAGEING™)

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THE INSTITUTE OF GERONTOLOGY (IG), UPM WAS FOUNDED ON 1ST APRIL 2002 BY PROF. DR. TENGKU AIZAN HAMID WITH THE VISION AND MISSION TO BECOME A WORLD CLASS CENTER OF EXCELLENCE FOR GERONTOLOGY AND GERIATRICS THROUGH RESEARCH, EDUCATION, TRAINING AND PROFESSIONAL SERVICES. IN RECOGNITION OF THE CONTRIBUTION AND ROLE PLAYED BY THE INSTITUTE IN THE FIELD OF AGEING IN MALAYSIA AND IN LINE WITH POLICY RECOMMENDATIONS, IG WAS REBRANDED AND UPGRADED TO NATIONAL STATUS ON 20TH MARCH 2015 UNDER THE NEW NAME MALAYSIAN RESEARCH INSTITUTE ON AGEING (MYAGEING™). MYAGEING™ WILL BE RESPONSIBLE FOR THE COORDINATION AND MONITORING OF THE POPULATION AGEING AGENDA AS OUTLINED IN THE 11TH MALAYSIA DEVELOPMENT PLAN (RMK11). IT WILL FUNCTION AS A NATIONAL CENTER FOR RESEARCH IN GERONTOLOGY, GERIATRICS AND GERONTECHNOLOGY AS WELL AS DRIVING INNOVATIONS TO ADDRESS THE MULTIDIMENSIONAL CHALLENGES OF OLD AGE AND AGEING IN MALAYSIA AND THE SOUTHEAST ASIAN REGION.



MyAGEING™ HAS ACCOMPLISHED VARIOUS ACHIEVEMENTS IN THE FORM OF LOCAL AND INTERNATIONAL GRANTS, PUBLISHED WORKS AND COLLABORATIVE EFFORT WITH ITS RESEARCH PARTNERS. THE INSTITUTE HAS ALSO DEVELOPED COLLABORATIVE LINKAGES WITH GLOBAL PARTNERS SUCH AS UNITED NATIONS INTERNATIONAL INSTITUTES ON AGEING (INIA) IN MALTA, UNFPA, WHO, WORLD BANK, CITI FOUNDATION AND FONTERRA BRAND SINGAPORE. THROUGH THE GRADUATE STUDIES PROGRAMME IN GERONTOLOGY, MYAGEING™ AIMS TO NURTURE A NEW GENERATION OF RESEARCHERS IN THE FIELD OF OLD AGE AND AGEING.

LABORATORIES

- Social Gerontology Laboratory
- Medical Gerontology Laboratory

RESEARCH PROGRAMMES

1. Age-Related Disability and Technology
 - i. Regenerative Medicine
 - ii. Enabling Design and Assistive Technology
2. Economy, Social and Cultural Participation of Older Persons
 - i. Economic wellbeing in old age
 - ii. Social relations and solidarity between generations
 - iii. Ageing and culture

GRADUATE STUDIES

- Master of Science
- Doctor of Philosophy

Fields of Study:

- Social Gerontology
- Medical Gerontology
- Gerontechnology

ACHIEVEMENTS

- The institute have completed over 70 interdisciplinary research projects with a total grant value of RM14 million from local and international sources.
- The institute is the only entity offering postgraduate programmes (MSc & Ph.D) in the field of Gerontology in Malaysia. It runs satellite training programmes with INIA, Malta, for professional development in the field of ageing.
- The Institute introduced the University of The Third Age (U3A) programmes as a social innovation to promote active and productive ageing through lifelong learning activities. Since 2008, the U3A programme has benefitted over 700 senior citizens aged 50 years and above.
- The institute in collaboration with Citi Foundation has organized CitiUPM Financial Empowerment for Mature Women Program with the objective to promote financial education for women to ensure that they are financially independent and empowered in their old age.



INSTITUTE FOR MATHEMATICAL RESEARCH

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INSPERM OR THE INSTITUTE FOR MATHEMATICAL RESEARCH FOCUSES ON ITS MAIN ACTIVITIES IN PLANNING, IDENTIFYING AND IMPLEMENTING RESEARCH IN CRYPTOGRAPHY, ANALYSIS AND STRUCTURES, COMPUTATIONAL STATISTICS, OPERATIONS RESEARCH, COMPUTATIONAL SCIENCES, MATHEMATICAL PHYSICS, ETHNOMATHEMATICS AND DIDACTICS.

THE INSTITUTE SERVES AS TWO-WAY CONDUIT BETWEEN PUBLIC AND PRIVATE AGENCIES THROUGH WHICH PROBLEMS REQUIRING MATHEMATICAL SOLUTIONS CAN BE CHANNLED 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.





IN ESTABLISHING INSPERM AS A WORLD-CLASS MATHEMATICS RESEARCH INSTITUTE, THE INSTITUTE HAS PUBLISHED WELL-RECEIVED WORKS IN VARIOUS SOURCES AND RECEIVED EVER-GROWING GRANTS AND CONSISTENTLY PRODUCED AWARD-WINNING RESEARCHES LOCALLY AND INTERNATIONALLY.

LABORATORIES

- Laboratory of Cryptography, Analysis and Structure
- Laboratory of Computational Sciences and Mathematical Physics
- Laboratory of Computational Statistics and Operations Research
- Laboratory of Ethnomathematics and Didactics
- Laboratory of Statistical Services and Computing

RESEARCH PROGRAMMES

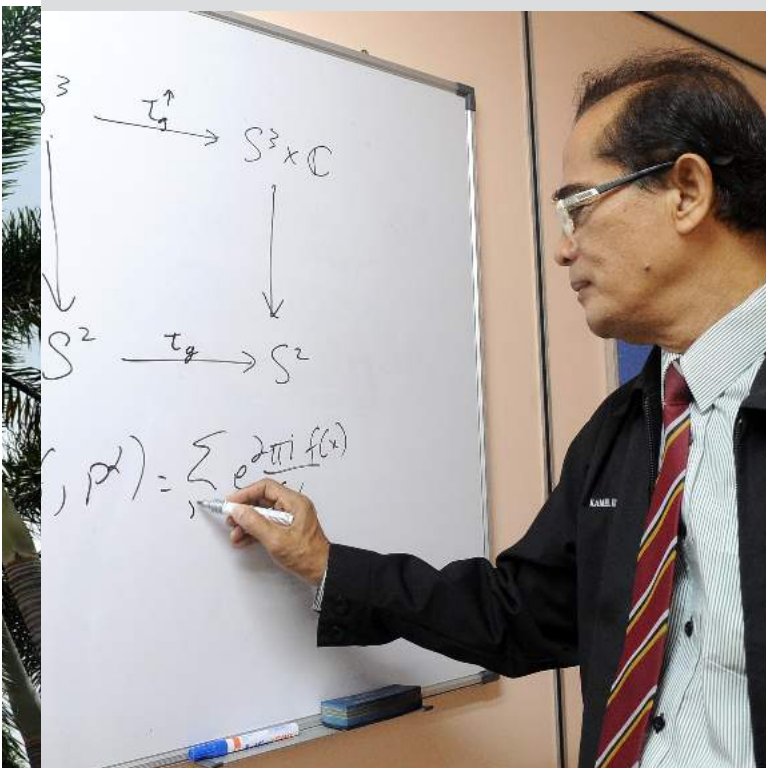
- Analytical Structural Modeling and Topological Networking
- Computational Operations Research
- Mathematical Structures and Techniques in Physical Sciences
- Mathematical Values in Society
- Pedagogical Developments in Mathematics
- Statistical Modelling and Computational Statistics
- Numeric and Algorithmic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

INSPERM GALLERY

Materials which are exhibited at the ISPEM Gallery include research posters, ISPEM Publications, awards and other similar materials.

ULUGH BEG COMPUTER LABORATORY

This Laboratory contains 30 computers for use in the hands on course activities sponsored by ISPEM. Among the software provided for use in this Laboratory include LaTeX, SPSS, MINITAB, SAS, MAPLE, R Studio, EQS, MathLab and other similar softwares.



INSTITUTE OF AGRICULTURAL & FOOD POLICY STUDIES

Contact us:

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PUTRA INFOPORT,
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THE INSTITUTE OF AGRICULTURAL AND FOOD POLICY STUDIES FOCUSES ON PROVIDING SOLUTIONS TO SUSTAINABLE AGRICULTURAL DEVELOPMENT IN THE FACE OF GROWING COMPLEXITY OF CURRENT CHALLENGES SUCH AS RESOURCE DEPLETION, CLIMATE CHANGE, GLOBALISATION AND ADVANCES IN TECHNOLOGY. IT PROVIDES ALTERNATIVE PERSPECTIVES AND POLICY OPTIONS TO THE POLICY MAKERS AND PUBLIC AT LARGE.

IKDPM'S CORE ACTIVITIES ARE RESEARCH, CONSULTANCIES, AND PUBLIC SERVICE WITH THE FOLLOWING OBJECTIVES:

- TO ANALYSE THE IMPACT OF MACRO POLICY CHANGES ON THE AGRICULTURE AND FOOD SECTOR;
- TO PROVIDE POLICY OPTIONS FOR MAJOR ISSUES CONSTRAINING THE AGRICULTURE AND FOOD SECTOR;
- TO IDENTIFY AND ANALYSE CURRENT AND FUTURE ISSUES IN AGRICULTURE, FOOD AND NATURAL RESOURCES





IKDPM RECEIVES GRANTS FROM NATIONAL AND INTERNATIONAL AGENCIES TO CARRY OUT POLICY RESEARCH ON ISSUES PERTAINING SUSTAINABLE DEVELOPMENT, NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS, QUANTITATIVE MODELLING OF THE SECTOR, AND AGRICULTURAL AND FOOD PRODUCTION

LABORATORIES

- Bio-Resource and Environmental Policy Laboratory
- Quantitative Methods for Policy Analysis Laboratory
- Agricultural Production, Marketing and Trade Policy Laboratory

RESEARCH PROGRAMMES

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

FIELD OF STUDIES

- Agricultural Policy
- Natural Resource Policy

ACHIEVEMENTS

- Appointed as the consultant to assist the Economic Planning Unit of Selangor in developing the "Agricultural Development Master Plan" for the state
- Commissioned by the Department of Fisheries, Malaysia to study the marketing and trade of sharks and rays in Sabah
- Awarded grants by the Roundtable for Sustainable Palm Oil (RSPO) to study the "Impacts of RSPO Certification on the Livelihood of Smallholders" and to develop the "RSPO Monitoring and Evaluation System for Plantation".

HALAL PRODUCTS RESEARCH INSTITUTE

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HALAL PRODUCTS RESEARCH INSTITUTE IS THE FIRST ACADEMIC INSTITUTION IN THE WORLD THAT OFFERS MASTER AND DOCTORATE PROGRAMMES IN THE HALAL SECTOR.

THE HALAL PRODUCTS RESEARCH INSTITUTE WAS ESTABLISHED TO SPEARHEAD RESEARCH AND DEVELOPMENT ON HALAL PRODUCTS AND SERVICES. OUR RESEARCH WORK HAS BECOME EXTREMELY IMPORTANT ESPECIALLY WITH THE DEMAND OF HALAL PRODUCTS INCREASING GLOBALLY AND THE INCREASED COMPLEXITY OF DETERMINING THE SOURCE, THERE ARE INCREASING CONCERNS ON THE PRODUCT AUTHENTICITY AND QUALITY AMONG THE MUSLIM CONSUMERS. THUS THE VISION OF THE HALAL PRODUCTS RESEARCH INSTITUTE IS "UPHOLDING THE SANCTITY OF HALAL THROUGH RESEARCH AND SERVICES".





LABORATORIES

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

RESEARCH PROGRAMMES

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

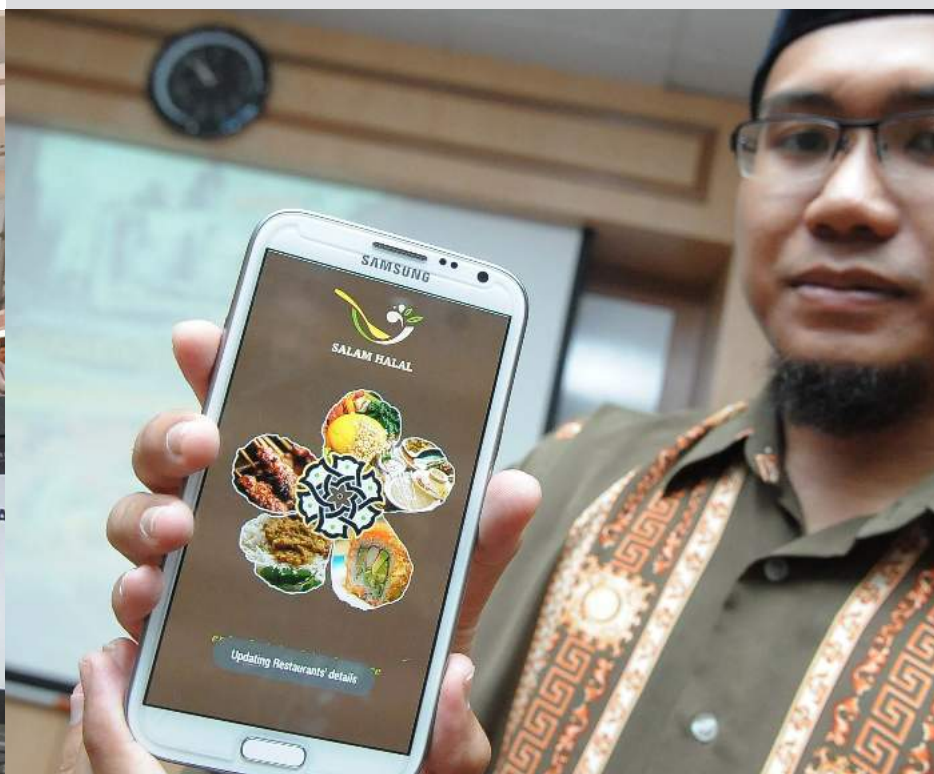
AREA OF EXPERTISE

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

ACHIEVEMENTS

- The 1st Halal Analytical Services Laboratory in Malaysia under the Prime Minister's department.
- Develop a method and kit for Extracting and identifying gelatin protein known as GelExt KIT.
- HaFYS Porcine DNA Test Kit for the detection of porcine DNA in food and non-food products using portable PCR.

- Won numerous awards locally and internationally.
- The twinning programme with the Department of Standards Malaysia (Standards Malaysia) to manage activities on Standardization under the scope of Halal Standards.
- Achieved Certificate of Filing on patent of "A Device for Identifying Source of Fat, a System and a Method Thereof".
- Attained eight (8) accredited test methods.
- IPPH has numerous linkages and collaborations with outstanding international institutions and agencies such as Kuwait Institute of Scientific Research (KISR), Kuwait; Nippon Express and Functional Food Creation of Japan, Japan; and Asia Biotech, China.



INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS

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MALAYSIA HAS VAST AMOUNTS OF UNTAPPED NATURAL FIBRE RESOURCES AVAILABLE FROM BOTH FORESTRY AND AGRICULTURE SECTORS. THESE BIORESOURCES RANGE FROM FOREST-BASED WOOD, BAMBOO AND RATTAN TO AGRICULTURE-BASED RICE HUSKS, COCONUT TRUNKS, COIR, OIL PALM FIBRES INCLUDING OIL PALM TRUNKS (OPT), OIL PALM FRONDS (OPF) AND EMPTY FRUIT BUNCHES (EFB), PINEAPPLE LEAF, BANANA PSEUDOSTEM AND KENAF. THESE MATERIALS CAN SERVE AS THE FUTURE ALTERNATIVE FIBRE RAW MATERIALS IN A WIDE RANGE OF APPLICATIONS EG. PLYWOOD, GLULAM, LAMINATED VENEER LUMBER (LVL), CROSS LAMINATED TIMBER (CLT), AND FIBREBOARD IN CONSTRUCTION, FIBRE-FILLED THERMOPLASTIC AND THERMOSET COMPOSITES IN AUTOMOTIVE, AND WOOD/FIBRE COMPOSITE IN FURNITURE. THE ADVANCEMENT IN PROCESSING TECHNOLOGY ALSO HAS ENABLED THESE FIBRE RESOURCES BEING CONVERTED INTO BIOPOLYMERS AND BIOENERGY. THE THE INSTITUTE OF TROPICAL FORESTRY AND FOREST





PRODUCTS AIMS TO SPEARHEAD THE UTILIZATION OF TROPICAL PLANT BIOFIBRES THROUGH EFFICIENT AND SUSTAINABLE BIORESOURCE SCREENING AND PRODUCTION, PROCESSING TECHNOLOGY, PRODUCT DEVELOPMENT AND END USE APPLICATION. SUPPORTED WITH A POOL OF EXPERTS FROM PLANT PHYSIOLOGY, TREE IMPROVEMENT, FIBRE QUALITY, PROCESSING TECHNOLOGY, PRODUCT ENHANCEMENT, AND ECONOMIC AND ENVIRONMENTAL VALUATION DISCIPLINES, THE CENTRE IS UNIQUE AND ONE OF ITS KIND.

OUR STRENGTHS

- The only institute dealing with a complete product value chain starting from the upstream to midstream and downstream programmes.
- Integrated research with a prime objective to produce fibre resources of desirable attributes for various applications by using efficient and environmental friendly technology.
- Multidisciplinary research approach encompassing bioresource selection, fibre characterisation and processing, biocomposite technology and design, biopolymer and derivatives, pulp & paper, and economic and environmental impact analysis.
- The only biocomposite centre for tropical wood and fibres with state-of-the-art equipment
- 60% of our publication is in Q1 and Q2 journals
- Annual research grants with an average of RM 1.8 million from various sectors.
- Holds 3 National patents and 5 filed
- Linked with 56 National and International bodies

RESEARCH PROGRAMMES

- Ecosystem Services and Economic Valuation
- Bioresources Selection and Plantation
- Biocomposite Technology and Product Design
- Fibre Processing and Characterization
- Biopolymers and Derivatives
- Pulp & Paper Technology and Pollution Control

AREAS OF EXPERTISE

- Bioresource Screening and Plantation Development
- Bioresource Processing Technology
- Biocomposite Technology and Design
- Biopolymer and Derivatives
- Pulp and Paper Technology
- Pollution Control
- Economic Valuation and Accounting
- Environmental Impact Assessment

LABORATORIES

- Sustainable BioResource Management
- Biocomposite Technology and Design
- Biopolymer and Derivatives

FIELD OF STUDIES

- Biocomposite Technology and Design
- Bioresource Management
- Biopolymer, Pulp and Paper Technology
- Tropical Rainforest Ecosystem Services



INSTITUTE FOR SOCIAL SCIENCES STUDIES (IPSAS)

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DEDICATED TO THE STUDY OF CONTEMPORARY SOCIAL, POLITICAL AND ECONOMIC ISSUES, THE INSTITUTE FOR SOCIAL SCIENCE STUDIES (IPSAS) MAKES MEANINGFUL CONTRIBUTION TO THE NATION AND POLICY MAKERS THROUGH RESEARCH FINDINGS AND RECOMMENDATIONS. IPSAS ORGANIZATIONAL STRUCTURE ALSO INCLUDES HEAD OF LABORATORIES WHO IS RESPONSIBLE FOR MANNING THE RESEARCH AND GRADUATE STUDIES ACTIVITIES WITHIN LABORATORY LEVEL. CURRENTLY, THERE ARE THREE LABORATORIES:

- LABORATORY OF YOUTH SOCIAL HEALTH AND WELL-BEING
- LABORATORY OF YOUTH CITIZENSHIP AND LEADERSHIP
- LABORATORY OF CYBER-GENERATION

EVERY RESEARCH PROGRAMME IS HEADED BY AN ACADEMIC EXPERT IN THE PARTICULAR RESEARCH FIELD. EACH LABORATORY COMPRISES A RESEARCH FELLOW, POST-DOCTORAL RESEARCHERS, RESEARCH ASSOCIATES, RESEARCH OFFICERS





AND SOCIAL RESEARCH OFFICERS. THE VARIOUS RESEARCH PROJECTS CONDUCTED BY THE INSTITUTE ENABLE A CONDUCIVE ACADEMIC ENVIRONMENT AS WELL AS THE PROMOTION OF LINKAGES AND NETWORKS AMONG INTELLECTUALS, PHILOSOPHERS, AND THE COMMUNITIES. IPSAS ALSO OFFERS GRADUATE STUDIES PROGRAMMES AT MASTER AND DOCTOR OF PHILOSOPHY (PHD) IN THE FIELDS OF COMMUNITY EDUCATION AND DEVELOPMENT, YOUTH STUDIES, RURAL ADVANCEMENT AND LEADERSHIP STUDIES. CURRENTLY, IPSAS HAS 87 REGISTERED POSTGRADUATE STUDENTS AND HAS PRODUCED 30 GRADUATES AT MASTER AND DOCTOR OF PHILOSOPHY LEVELS.

IPSAS IS THE ONLY INSTITUTE IN THE NATION TO FOCUS ON YOUTH DEVELOPMENT, WHERE YOUTH CONTEMPORARY ISSUES AND NEEDS ARE

ADDRESSED IN A GLOBALIZED CONTEXT. AS A NICHE RESEARCH INSTITUTE IN THIS FIELD, IPSAS HAS ADVANCED RESEARCH STRATEGIES ON YOUTH EMPOWERMENT THAT ACCENTUATES YOUTH POTENTIAL.

RESEARCH PROGRAMMES

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

FIELD OF STUDIES

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



INSTITUTE OF TROPICAL AGRICULTURE

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THE INSTITUTE OF TROPICAL AGRICULTURE (ITA) IS A FOCAL POINT FOR IMPACTFUL RESEARCH IN HUMANE AND SUSTAINABLE AGRICULTURE, FOCUSING ON ISSUES OF FOOD SECURITY. THE INSTITUTE HAS MADE SIGNIFICANT CONTRIBUTIONS IN TERMS OF HIGH QUALITY RESEARCH OUTPUTS AND IS A DESTINATION OF CHOICE FOR HIGHLY TALENTED RESEARCHERS, ACADEMICS AND POSTGRADUATE STUDENTS IN TROPICAL AGRICULTURE RESEARCH.

RESEARCHES CARRIED OUT ARE MULTIDISCIPLINARY IN NATURE. YET IN SELECTED FOCUS AREAS, THE HIGH VALUE CHAIN ASPECTS ARE TAKEN INTO ACCOUNT. EMPHASIS IS ALSO GIVEN TO CLOSE COLLABORATION WITH INTERNATIONAL INSTITUTIONS AND INDUSTRIAL PLAYERS.

ITA IS CARVING A NAME FOR ITSELF AS AN INTERNATIONALLY RECOGNIZED RESEARCH CENTRE OF EXCELLENCE IN TROPICAL





AGRICULTURE. THE INSTITUTE HAS BEEN AWARDED TWO LONG-TERM RESEARCH GRANT SCHEME (LRGS) PROJECTS BY THE MINISTRY OF EDUCATION, MALAYSIA AMOUNTING TO RM 21,683,532 TO UNDERTAKE RESEARCH ON ENHANCING SUSTAINABLE PRODUCTION OF RICE AND POULTRY FEED IN MALAYSIA.

THE INSTITUTE HAS A WIDE ARRAY OF MODERN RESEARCH FACILITIES WHICH INCLUDED A CENTRAL LABORATORY, A STATE-OF-THE-ART TRANSGENIC PLANT GREENHOUSE, AND A LIVESTOCK AND POULTRY RESEARCH COMPLEX. THE FACILITIES ARE USED TO ADDRESS BOTH APPLIED AND FUNDAMENTAL PROBLEMS RELATED TO CROP AND ANIMAL PRODUCTION.

LABORATORIES

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

RESEARCH PROGRAMMES

- A. Laboratory of Food Crops
 - 1) Improvement and Sustainable Rice Production for Food Security
 - 2) Production of High Value Vegetables under Protected Cultivation in Tropics
- B. Laboratory of Animal Production
 - 1) Strategic Feed Technology and Nutrigenomics
 - 2) Sustainable Animal Production through Enhanced Environmental and Welfare Management Practices
- C. Laboratory of Plantation Crops
 - 1) Functional Genomics for Yield and Quality Improvement
 - 2) Molecular Disease Diagnosis

FIELD OF STUDIES

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



INSTITUTE OF PLANTATION STUDIES

Contact us:

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INSTITUTE OF PLANTATION STUDIES (IKP) IS A NEW INSTITUTE IN UPM THAT BRINGS TOGETHER RESEARCHERS OF DIFFERENT EXPERTISE TO FOCUS ON THE MALAYSIAN PLANTATION SECTOR. MANY UPM GRADUATES ARE LEADERS IN THE PLANTATION INDUSTRY OR ARE DIRECTLY INVOLVED IN THE SECTOR'S VARIOUS ACTIVITIES. THROUGH IKP THE CONTRIBUTION OF UPM TO THIS INDUSTRY WHICH PLAYS A CRITICAL ROLE IN THE MALAYSIAN ECONOMY WILL BE ENHANCED THROUGH RESEARCH ACTIVITIES AND PROFESSIONAL SERVICES.

THE FOCUS OF IKP IS NOT LIMITED TO OIL PALM AND RUBBER PLANTATIONS BUT COVERS ALSO OTHER CROPS SUCH AS COCOA, PEPPER AND COCONUT. THE INSTITUTE EMPHASIZES ON MULTIDISCIPLINARY LEADING-EDGE RESEARCH ENCOMPASSING VARIOUS FIELDS SUCH AS AGRONOMY, AGRICULTURAL ENGINEERING, BIOTECHNOLOGY, PRECISION AGRICULTURE, PLANT PROTECTION, ECONOMIC AND POLICIES. THIS HOLISTIC APPROACH IS ESSENTIAL IN OBTAINING IMPACTFUL BENEFICIAL RESEARCH FINDINGS.





IKP STRIVES TO GENERATE NEW KNOWLEDGE AND PROVIDE EXPERTISE TO BE UTILISED BY THE INDUSTRY. THIS WILL BE ACHIEVED THROUGH TRAINING OF POSTGRADUATES, ADVISORY SERVICES AND ORGANIZATION OF SEMINARS AND WORKSHOPS THAT HIGHLIGHT NEW IDEAS AND TECHNOLOGIES. THE INSTITUTE WILL WORK CLOSELY WITH ITS VARIOUS STAKEHOLDERS INCLUDING GOVERNMENT AND PRIVATE AGENCIES, NGOS AND SMALLHOLDERS IN ENSURING THAT ITS ACTIVITIES ARE RELEVANT TO THE NEEDS OF THE PLANTATION INDUSTRY.

POLICY & ECONOMY LABORATORY

Research areas include production economics, marketing, management, value chain, trade and the socio-economics of smallholders and plantation workers as well as sustainability of the plantation sector. Research in production economics observe issues related to efficiency, productivity and best practices in addressing sustainable issue. Research in value chain refers to evaluating the roles and structure of "chain actors" including smallholders, along commodity value chain and propose suitable intervention to enhance industrial commodity sector's value added.

SCIENCE & TECHNOLOGY LABORATORY

The laboratory focuses on crop care and improvement as well as precision agriculture and automation. Crop care and improvement look at sustainable plantation production and main challenges faced by the plantation industry players such as greenhouse gases, pest and disease as well as poor plant nutrition, soil quality and water supply. Precision agriculture and automation focuses on employing geospatial technologies such as remote sensing images, unmanned aerial vehicle (UAV), proximal and remote sensors and geospatial modelling that eventually aim to promote efficient plantation management.



UPM ALUMNI CENTRE PROVIDES AND FACILITATES STRATEGIC PARTNERSHIPS BETWEEN UPM, THE UPM ALUMNI ASSOCIATION (PAUPM), THE PUBLIC AND OTHER RELEVANT PARTIES.

UPM ALUMNI CENTRE

WITH EACH GRADUATION, HUNDREDS OF GRADUATES HAVE PASSED THROUGH UPM ON THEIR WAY TO GREATER EXPERIENCES IN EVERY FACET OF THEIR YOUNG LIVES. THEY GO ON TO BECOME LEADERS OF SOCIETY, INDUSTRY, ECONOMY AND BE PROFESSIONALS WITH THE KNOWLEDGE, SKILLS AND MINDSETS TO DRIVE THEIR RESPECTIVE COUNTRIES FORWARD TO THE NEXT LEVEL. WHILST THE GRADUATES GO HOME EMPOWERED, UPM TOO HAS GAINED A LOT BY CONTINUOUSLY IMPROVING OUR PROGRAMMES, FACILITIES, TEACHING AND LEARNING MODULES AND MAKING UPM A MORE POPULAR AND GRACEFUL PLACE FOR STUDY BY BOTH LOCAL AND GLOBAL STUDENTS.



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

- Build a lifelong relationship with alumni and strengthen the bond with UPM Alumni nationally and internationally.
- Strengthen UPM to pursuit of academic excellence through the support of alumni
- Develop and maintain the alumni corporate and public databank for UPM strategic advancement.
- Function as the liaison office to UPM Alumni Association (PAUPM) in branding UPM, while fostering a sense of pride and loyalty to the alma mater.

UPM ALUMNI DAY – 21st MAY

UPM Alumni Day is celebrated with zest code 21st May of each calendar year. The day has a special historical value to UPM for on this auspicious day UPM was declared open, to be precise on 21st May 1931. UPM was then known as the School of Agriculture Malaya and since then Malaysia's first university

has transformed itself into a world-class university with students from over 70 countries worldwide. To celebrate the grand day, a number of events are held such as: Tautan Mahabbah, Serdang Heritage Forum and friendly sports like bowling and rugby. The grand finale is of course the Homecoming and Alumni Day Dinner.

DISTINGUISHED UPM ALUMNI LECTURE SERIES: LIVING THE SERDANG STORY

A Knowledge Transfer Partnership platform through a lecture series created for UPM alumni to share their knowledge and experiences with the campus community specifically with the faculty they are associated with before... Branded as 'Distinguished UPM Alumni Lecture Series' or DALs in short, this lecture series are a showcase of alumni engagement with UPM. Distinguished UPM Alumni which identified by the faculty will be invited to be a speaker to share their skills in career and life experience since graduating from the university. This platform is an avenue for alumni to give back to the alma mater, through the faculty and is held yearly by each faculty. DALs' which is basically a forum to showcase alumni engagement with UPM, and a platform for them to give back to their Alma Mater through their empowerment as rightful ambassadors of UPM without measure of loyalty or time. It is hoped that this programme will demonstrate the role of future UPM Alumni as ambassador of UPM, the keepers of



tradition of excellence, supporters of the university, and at the same time inculcate a sense of pride and belonging to UPM.

THE ALUMNI MENTORSHIP PROGRAMME

This programme involves students, senior alumni and academic staff and serves to build bonding among students, which allows them to bond better between students and the university, including a 'love' for their alma Mater. This session is usually held during semester period in a spirit of interaction with the UPM motto: 'With Knowledge We Serve'. Students gain confidence, which enhances their career options and interfacing with potential employers.

HOMECOMING & REUNIONS

Homecoming is a tradition of celebrating UPM's alumni to foster the sense of belonging among alumni, to enable alumni to meet old friends and acquaintances to strengthen friendships among alumni and Alma mater. It is also seen as the platform for alumni to share memories they've experienced together with course mates, lecturers, and new alumni. The Homecoming Programme in UPM started from the year 2001 and involves close cooperation between the UPM Alumni Centre together with the UPM Alumni Association and the Homecoming Programme has been incorporated as one of the recurring events in the Celebration of the UPM Alumni Day on 21st of May.

UPM ALUMNI - LOCAL AND INTERNATIONAL CHAPTERS

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

globally renowned Research University. Several local chapters have been set up and are actively connected to UPM, such as Segenggam Putra (Silat Cekak Hanafi), Diploma Pertanian 87/90, Sains Pertanian UPM (85ERS), Cyperus, x-UPMCS, Golden Girls of Serdang, Last Kopek, Great Serdang Debate, Semenggok, CAMC' 71, Counselling, Sabah, Sarawak, Northern, Johor and International chapters, UPM Alumni Chapter Indonesia, based in Jakarta and Padang

YAYASAN PAK RASHID UPM

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

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

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