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Malaysia's top most
innovative
University

PROSPECTUS 2018-2019

www.upm.edu.my



WITH KNOWLEDGE WE SERVE

WHY UPM?

AGRICULTURE • INNOVATION • LIFE



TOP 200

TOP 200 UNIVERSITIES IN THE WORLD FOR
12 SUBJECTS

34th

QS ASIA UNIVERSITY
RANKINGS

12th

QS WORLD TOP 50
UNDER 50

159th

QS WORLD UNIVERSITY
RANKINGS 2020



**WE ARE IN THE TOP 15 PER CENT OF
UNIVERSITIES WORLDWIDE AND WE
ARE AIMING HIGHER EVERY DAY...**

32nd

IN THE WORLD, 3rd IN
ASIA & 1st IN MALAYSIA
FOR UI-GREENMETRIC



53rd

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

145th

EMERGING ECONOMIES
RANKINGS



STUDY ABROAD IN MALAYSIA AND FEEL AT HOME IN UPM

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

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 colorful 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 temperature 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 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 Southeast 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. This is due to the high standards and quality of education being offered in Malaysia and the Government of Malaysia's clear vision in making Malaysia into a high quality education destination for students from all over the world. 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 Education closely monitors all institutions to ensure that they adhere to the highest educational standards. Malaysia also declares its qualifications and the quality in relation to its education system through the Malaysian Qualifications Framework (MQF). The MQF is an instrument that develops and classifies qualifications based on a set of criteria that are approved nationally and benchmarked against international best practices.

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.



**Kuala Lumpur is ranked
2nd most affordable
city in the world* for
the student and 29th in
the overall best student
cities index!**

*Data from CNBC.com



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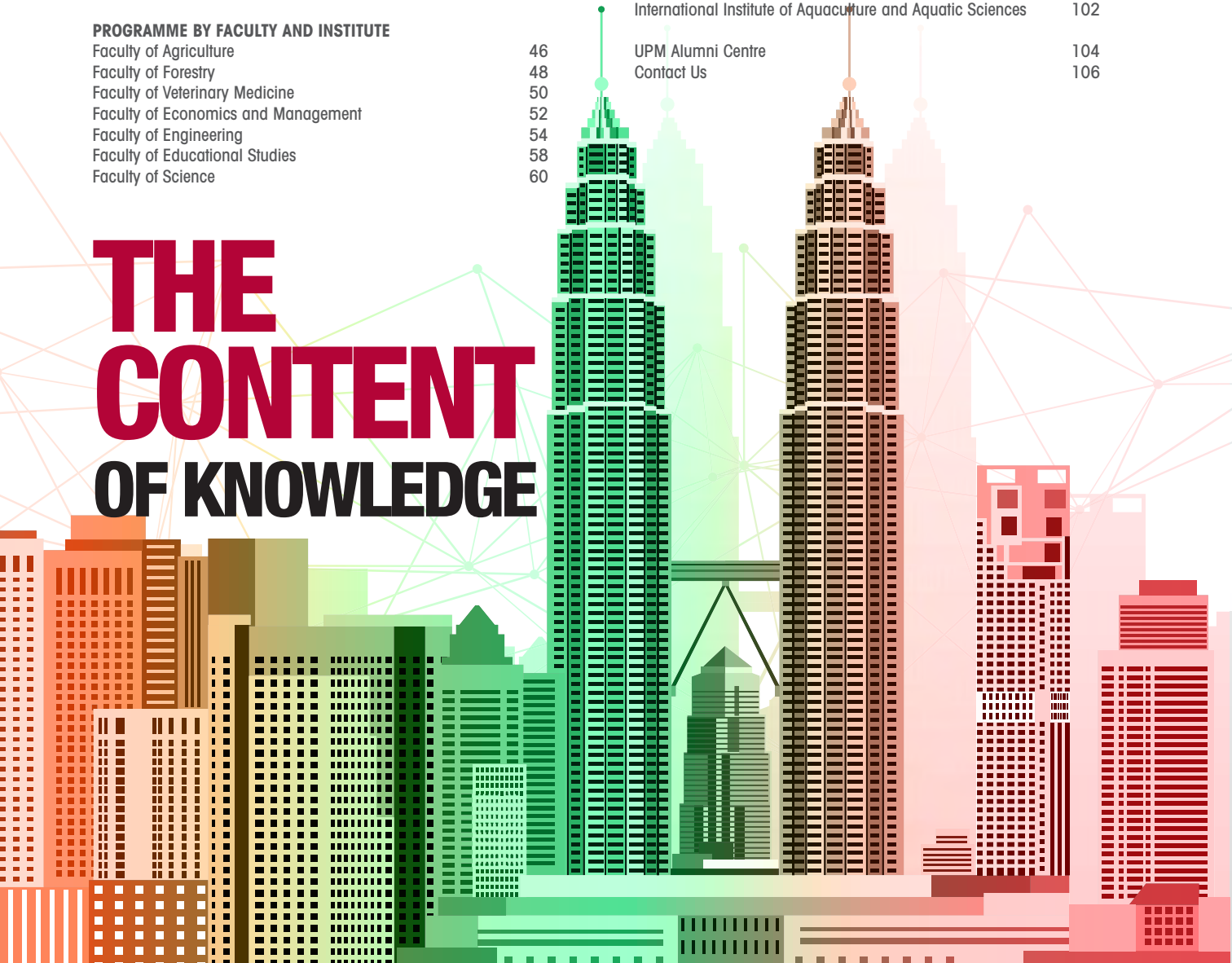
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THE CONTENT OF KNOWLEDGE





MESSAGE FROM THE VICE CHANCELLOR

WELCOME TO UNIVERSITI PUTRA MALAYSIA

"WITH KNOWLEDGE WE SERVE"

PROF. DATIN PADUKA DATO' 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.

At Universiti Putra Malaysia lovingly referred to as UPM, quality and excellence prevail in all areas. Although our niche is in agriculture as our tagline, Agriculture. Innovation. Life.

suggests, our educational philosophy is highly multidisciplinary in nature. Functioning 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 ranked 34th in Asia and world's number 159th in the QS World University Rankings 2020. 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 32nd world ranking, 3rd in Asia and 1st in Malaysia that UPM achieved in the UI-GreenMetric World University Ranking 2018 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 approximately 27,000 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 80 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 for your future!

Best wishes!

INTRODUCING UNIVERSITI PUTRA MALAYSIA



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

A multidisciplinary university with 88-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 more than 27,000

students enrolled in its 80 bachelor, 7 diploma, 57 coursework programmes and 5 research programmes at the Masters and PhD levels (with more than 289 fields of studies). Except for the diploma programmes and three undergraduate programmes which are offered exclusively at UPM's branch campus in Bintulu, Sarawak, all other courses are offered at the main campus in Serdang, Selangor. Knowledge is the core of all activities at UPM, as depicted in its slogan "With Knowledge We Serve". By upholding this philosophy in the execution of all its endeavours, UPM aims to inspire its academic community towards teaching and research excellence; and ultimately towards the material and spiritual betterment of society. UPM possesses all the necessary qualities and resources to be at par with renowned local and international institutions of higher learning, your decision to join UPM will promise you a world of opportunities that will certainly enrich your life and future.



27,000
STUDENTS ENROLLED



57
PROGRAMMES BY
COURSEWORK



80
BACHELOR



289
FIELDS OF STUDIES



7
DIPLOMA



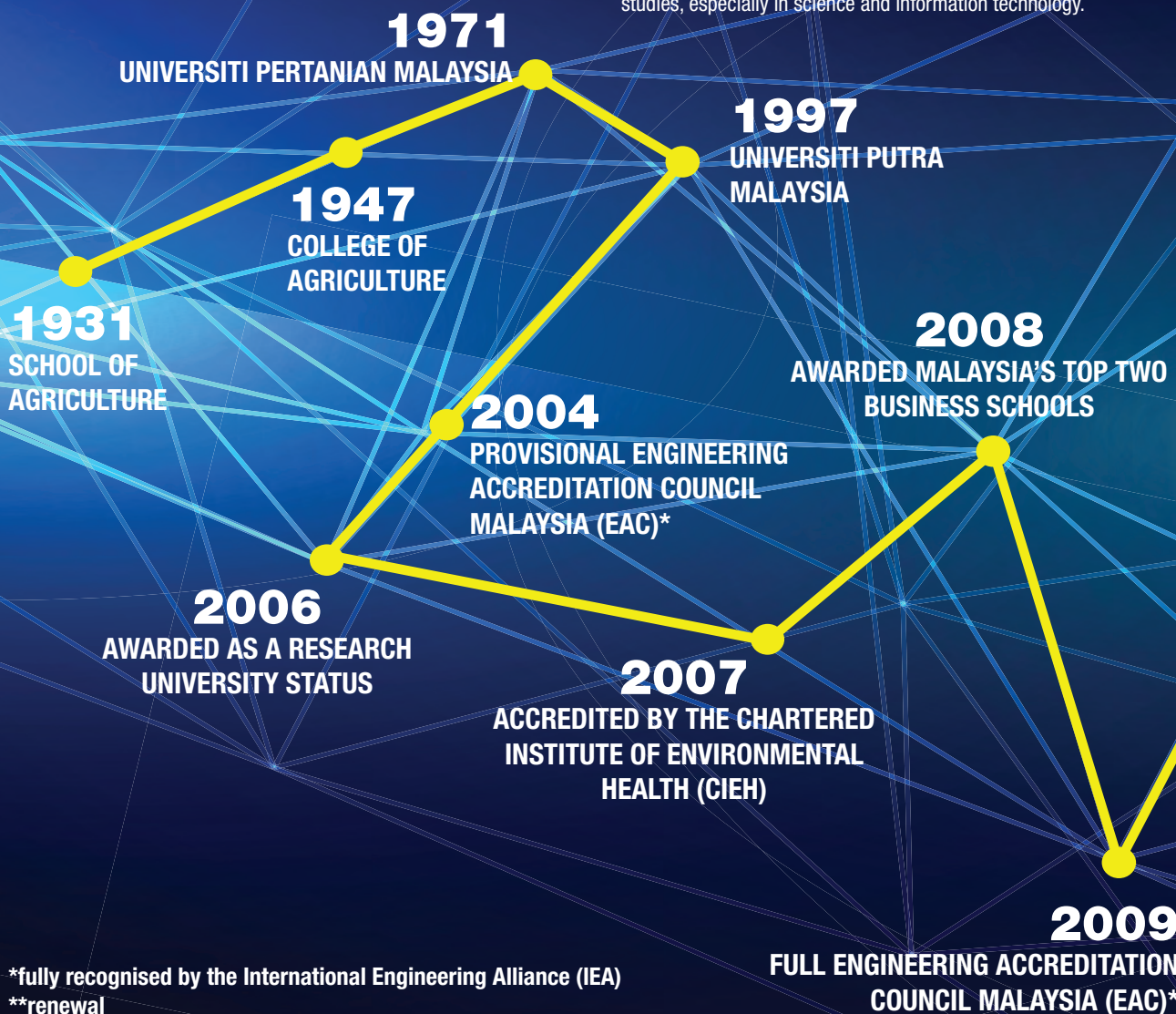
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PROGRAMMES
BY RESEARCH



HISTORICAL MILESTONE

Universiti Putra Malaysia was first established as the School of Agriculture in 1931. The school was located on a 22-acre piece of land in Serdang and offered two programmes - a three-year diploma programme and a one-year certificate course in Agriculture. In 1947, the school was declared the College of Agriculture Malaya by Sir Edward Gent, the then Governor of the Malayan Union. The establishment of Universiti Pertanian Malaysia came about when the College of Agriculture in Serdang merged with the Faculty of Agriculture, University of Malaya. Dr. Mohd. Rashdan bin Haji Baba, the then principal of the College of Agriculture Malaya, was appointed as the first Vice Chancellor by virtue of the provisions of Section 18 of the Universities and University Colleges Act, 1971.

With the first intake of 1,559 students, Universiti Pertanian Malaysia had its first academic session in July 1973 with three central faculties and one basic division: the Faculty of Veterinary Medicine and Animal Sciences, Faculty of Forestry, Faculty of Agriculture, and the Division of Foundation Studies. With the world moving towards the era of technological innovations and growth, Universiti Pertanian Malaysia was steadily laying its foundation to become the nation's foremost agricultural university. In the early 80s, UPM extended its area of studies to include the field of Science and Technology (S&T). In 1997, the name Universiti Pertanian Malaysia was changed to Universiti Putra Malaysia by the former Prime Minister, Tun Dr. Mahathir Mohammad, as a strategic gesture to portray the status of UPM as a centre of higher education capable of providing various fields of studies, especially in science and information technology.



2018

ACCREDITED BY THE ENGINEERING
COUNCIL MALAYSIA (EAC)**

2010

AWARDED THE SELF-
ACCREDITATION STATUS

2016

ACCREDITED BY THE ROYAL SOCIETY OF
CHEMISTRY

2010

ACCREDITED BY THE
UNITED KINGDOM
CHARTERED INSTITUTE
OF ENVIRONMENTAL
HEALTH

2015

ACCREDITED BY THE UNITED
KINGDOM CHARTERED INSTITUTE OF
ENVIRONMENTAL HEALTH (CIEH)**

2012

AWARDED
THE AUTONOMY
UNIVERSITY STATUS

2014

ACCREDITED BY THE
INSTITUTE OF BIOMEDICAL
SCIENCE

2012

ACCREDITED BY THE ASSOCIATION
TO ADVANCE
COLLEGIATE SCHOOLS
OF BUSINESS (AACSB)

2014

ACCREDITED BY THE TEACHER
EDUCATION ACCREDITATION
COUNCIL (TEAC)

A group of students are walking along a paved path on a university campus. Several students are pushing their bicycles. One student in the foreground is wearing a light blue polo shirt and a backpack. Another student is wearing a pink shirt and green sunglasses. A female student in a pink hijab and plaid shirt is holding a book. The background shows lush green trees and a building. The text 'CAMPUS LIFE' is overlaid in large red letters.

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 80 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®

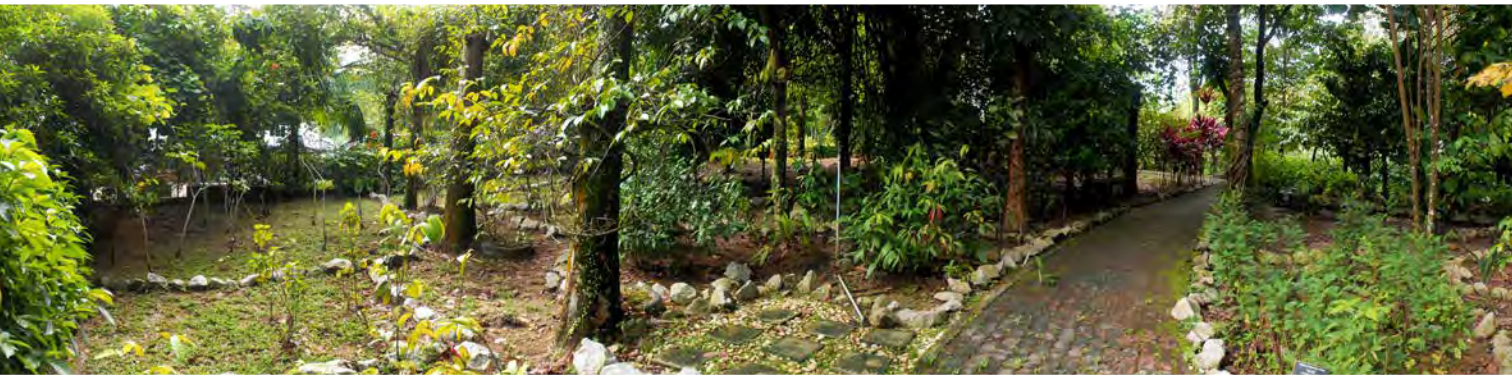
Within the campus grounds is located an experiential learning park which is an amazing gateway to a visual and interactive learning experience that is unmatched by any other centres of higher learning. Covering a vast rolling landscape, the UPM eDU-PARK® takes visitors and students to a spectacular array 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 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 showcases 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.



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 e-mail facility and a 20MB storage capacity is provided for all 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 AND 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 on academic news, weekly activities, sports, entertainment, current affairs and everything else that happens on the campus. **PUTRA®** e-Newsletter is a quarterly bulletin featuring articles, updates and information, and it is sent to the students'/stakeholders' email addresses. These publications help students to keep tabs on what is happening within and outside the campus and is a great way to stay connected with people and be informed of the many activities. Websites and many medium of social media are also actively used.

STUDENT PORTAL WEBSITE

The InfoComm Development Centre (iDEC) 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 AND ARTS CENTRE)

The Sultan Salahuddin Abdul Aziz Shah Cultural and 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 diversities.

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 on-line resources including the Library e-resources/e-journals and student portals are readily available throughout the university.



UNIVERSITY AGRICULTURAL PARK

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

AMENITIES

Basic amenities available within the campus include a post office, bank, bookshop, optical shop, bicycle shop, car and motorcycle workshop, etc. A 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.

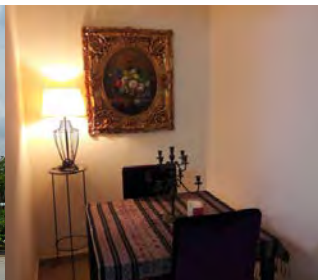




SULTAN ABDUL SAMAD LIBRARY

The Sultan Abdul Samad Library is the main library of UPM which provides facilities for individual study and group. 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 branch libraries e.g. the Medical and Health Science Library, Veterinary Science Library, Engineering and Architecture Library and Bintulu Branch Campus Library.



KMR RESIDENCE OnePUTRA®

"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 the UPM's campus.



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 the students' academic and co-curricular activities outside the campus. UPM's covered bus-stops are equipped with fans, lights and notice boards to maximise the students' comfort.



FOOD

There are many choices of cafeteria, restaurants and food stalls available within the campus and in the surrounding neighbourhood. Food can be obtained at any hour, because besides the cafeterias at 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, Texas Chicken to name a few.



SPORTS AND 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, basketball), a golf course, and even an equine park etc.

HEALTH AND WELFARE

All international students can access out-patient 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.



COUNSELLING SERVICES THROUGH TELE – COUNSELLING (PUTRA® TELE – COUNSELLING – 03-9769 2082)

This interactive website provides counseling service 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.

PLACES OF INTERESTS 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 is always something to do on the go like shopping, food hunt, sightseeing and many more.



SATE KAJANG



THE MINES



CYBERJAYA



ALAMANDA



IOI CITY MALL



D PULZE



PUTRAJAYA



IOI MALL



UPM LIVING

THIS IS A HOME WITH 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 enable students to focus on their studies with a 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.

ON-CAMPUS ACCOMMODATION

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 – USD 600 a month.

RESIDENTIAL COLLEGES

There are 17 residential colleges on campus that can accommodate up to 70% of the UPM'S 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 USD65 (one week) – USD250 (per month).

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

OFF-CAMPUS PRIVATE ACCOMMODATION

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 80 COUNTRIES AROUND THE WORLD ARE PART OF THE ALMOST 27,000 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 geography and nature.



UPM IS A UNIVERSAL GARDEN OF KNOWLEDGE

STUDENTS FROM OVER 80 COUNTRIES COME HERE TO ACQUIRE A WORLD-CLASS EDUCATION

- | | | | | | |
|---------------------|------------------------|-------------------------------|------------------------|-----------------|---------------|
| • Afghanistan | • Sudan | • Cocos (Keeling) Island | • Nigeria | • United States | • Qatar |
| • Japan | • Cameroon | • Maldives | • Tunisia | • Ghana | • Senegal |
| • Singapore | • Korea | • United Republic of Tanzania | • Ethiopia | • Puerto Rico | • Seychelles |
| • Algeria | • Swaziland | • Colombia | • Oman | • Uzbekistan | • Somalia |
| • Jordan | • Canada | • Mauritania | • Uganda | • India | • Australia |
| • Somalia | • Laos | • Thailand | • Fiji | • Russia | • Bahrain |
| • Bangladesh | • Sweden | • Cote Divoire | • Pakistan | • Indonesia | • Eritrea |
| • Kazakhstan | • Chad | • Mauritius | • Ukraine | • Rwanda | • Guinea |
| • South Africa | • Libya | • Turkey | • Gambia | • Yemen | • France |
| • Brunei Darussalam | • Syrian Arab Republic | • Djibouti | • Palestin | • Iran | • Liberia |
| • Kyrgystan | • China | • Myanmar | • United Arab Emirates | • Saudi Arabia | • Macau |
| • Sri Lanka | • Macedonia | • Turkmenistan | • Germany | • Zimbabwe | • Morocco |
| • Cambodia | • Taiwan | • Egypt | • Philippines | • Iraq | • New Zealand |
| • Kenya | | | | • Sierra Leone | |

INTERNATIONAL SUPPORT

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

TO ASSIST INTERNATIONAL STUDENTS AT THE UNIVERSITY, THERE'S THE INTERNATIONAL STUDENTS ASSOCIATION, WHICH OFFERS AN EXTENSIVE LIST OF SOCIAL PROGRAMMES 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 subsidised by UPM to provide all international students with the opportunity to participate and understand the 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. Individual 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

PUTRA® International Centre (i-PUTRA®) do not provide airport pick up services for new international students, thus it is advisable for students to arrange transportation on their own. An orientation programme will also be organised before classes start - every new semester.

VISA AND STUDENT PASS

Effective January 1, 2014 all new international students must obtain a Visa Approval Letter (VAL) through the Education Malaysia Global Services (EMGS) before they enter Malaysia. An SEV (Single Entry Visa) is a visa issued by the overseas Malaysian Embassy / High Commission to non-citizens to enable them to enter Malaysia after the students receive the e-VAL from the EMGS. The e-VAL is approved subject to the Immigration Department of Malaysia. For further information on the immigration procedures and student pass application, international students 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 currently.

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 AND SHOPPING

UPM's main campus is a 20-minute drive away from Kuala Lumpur, the capital city of Malaysia, and 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 = RM4.10 (as of January 2019) but there are minor fluctuations from time to time. Foreign currencies can be exchanged at banks and licensed money changers.

PART-TIME EMPLOYMENT

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

STUDENT ASSOCIATIONS

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

PUTRA[®]IKON
 #weloveupm #thinkingofyou



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 extracurricular activities that are just as important as academic success.

SPORTS CLUBS

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

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

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 are several styles of Malay martial arts taught at UPM. Silat, dates back several centuries, focusses on defence technique and spiritual development. Silat associations include:

- Association of Seni Silat Cekak Malaysia
- Association of Seni Silat Cekak Pusaka Ustaz Hanafi
- Association of Seni Silat Lincah 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 friendship, 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
- Kompong Seni Warisan Club
- Kijang Emas (Dikir Barat) Club
- Nasyid Nahwan Nur Club
- Pantun and Puisi Club
- Choir Club
- Tarian Klasik India (Putra Kalshektra) Club
- Zhong Hua Art and Cultural Society

A group of graduates in red gowns and black caps, smiling and posing for a photo. The graduates are of various ethnicities, and the image is slightly blurred, focusing on the foreground.

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, RSC accreditation). UPM has more than 1,700 academic staff dedicated to teaching and research, and many are recognised internationally as leaders / mentors in their fields.



RESEARCH IN UPM

UNIVERSITI PUTRA MALAYSIA ENJOYS THE DISTINCTION OF BEING ONE OF THE 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 focussed, the University Management has set the research focus into clusters.

UPM RESEARCH CLUSTERS

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

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



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



STUDENT MOBILITY PROGRAMMES



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 the 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)

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

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-semester Break	1 week
Lecture	8 weeks
Revision Week	1 week
Final Exam	2 weeks
Semester Break	5 weeks

Semester 2

Lecture	7 weeks
Mid-semester 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 (SOK/INT/BR01/INBOUND) from www.intl.upm.edu.my. In addition to our application form, we also require additional relevant documents, which include:

- Acknowledgment of nomination from the home university;
- Recommendation letter from the home university;
- Certified copies of academic transcripts (subjects / courses that have been completed);
- For none English speaking country please provide English language certificate or letter from lecturer about student level of English; and
- Scanned copy of student passport;

CLOSING DATES FOR APPLICANTS

UPM's academic year is divided into two semesters. Students usually commence studies in either Semester 1 (September) or in Semester 2 (February). Student can start applying 3 months before the semester begins. The deadlines for submission are as follows:

Semester 1 (September) : 30th April
Semester 2 (February) : 30th September

HOW TO APPLY (OUTBOUND)

- Application is to be done by UPM students with the help from the mobility coordinator of the respective Faculty
- Fill up the outbound application form (SOK/INT/BR01/OUTBOUND)

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

CONTACT US:

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43400 UPM Serdang
Selangor Darul Ehsan, Malaysia



+603 9769 7972



mobility@upm.edu.my / intl@upm.edu.my / head.intl@upm.my



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



@putrainternational_upm



INTERNATIONAL STUDENT EXPERIENCE



“Universiti Putra Malaysia has a lot of international students which makes it easier for me to adapt with the environment.”

EMILY FRICKE (GERMANY)
FACULTY OF ECONOMICS AND MANAGEMENT

Emily Fricke, a mobility student from the Faculty of Economics and Management from Germany, said that the students were very friendly and pleasing to one another which made her decided to be here in UPM.

She knew about the university through her friend which also attracted her more to choose UPM for her Inbound Mobility Programme.

“UPM is the most well-known university besides the other universities that I have looked into. Thus, I decided to choose Universiti Putra Malaysia as the platform to pursue my studies.”

ARCHER (CHINA)
FACULTY OF ECONOMICS AND MANAGEMENT

Archer, 23, a student from China, who is currently undertaking the Bachelor in Management and Economy, stated that UPM is a well-known university in Malaysia and she only discovered the university through its website.



“I would also like to improve my knowledge and speech in the English language.”

KEI OTSUKA (JAPAN)
FACULTY OF ECONOMICS AND MANAGEMENT

According to Kei Otsuka from Japan, the Inbound Mobility Programme gave him the opportunity to pursue his studies in the Faculty of Economics and Management in UPM and discover more about Malaysia.

He also stated that the programme had given him the chance to experience the Southeast Asia.



ERTUGRUL (TURKEY)
 FACULTY OF ECONOMICS AND MANAGEMENT

ABDULLAH HAMDAN (TURKEY)
 FACULTY OF ENGINEERING

The uniqueness of the culture diversities and races in Malaysia has won the hearts of these two Turkish students to join the Inbound Mobility Programme in UPM.

The two Turkish students are Ertugul, who is currently undertaking the Bachelor in Economics and Management, and Abdullah Hamdan, who is pursuing his Bachelor in Engineering (Aerospace) and also happened to be the youngest student to take part of the programme at the age of 18.

Both of them are showing their interests in experiencing the culture diversities as well as visiting the attractive spots in Malaysia such as Langkawi, Petronas Twin Towers (KLCC) and Pulau Pinang.



“I believe in the credibility of the programme in FBSB in UPM and I want to learn more about the most recent knowledge on biotechnology here.”

MARION JAMMAYRAC (FRANCE)
 FACULTY OF BIOTECHNOLOGY AND
 BIOMOLECULAR SCIENCES

Marion Jammayrac, who is from France, hoped that she would get to improve her knowledge on biotechnology by following the Inbound Mobility Programme under the Faculty of Biotechnology and Biomolecular Sciences and as well as gain new learning experiences in Malaysia.

“The students are very kind here which makes me feel comfortable to be around them. There are also many types of delicious foods that I can taste. Eventhough it is quite different from my own country but I can easily adapt with the environment without any problems.”

USMAN MUHAMMAD (NIGERIA)
FACULTY OF MODERN LANGUAGES AND COMMUNICATIONS

Usman Muhammad, aged 38 from Nigeria, has been exposed to a new environment as it is his first time coming to Malaysia while undertaking a Major in Arabic Language under the Faculty of Modern Languages and Communications.

He stated that he was amused by the uniqueness of the cultures and its interesting dishes as well as the kind and friendly attitude among students.



“Universiti Putra Malaysia has a lot of international students which makes it easier for me to adapt with the environment.”

MARSHA DE KLERK (THE NETHERLANDS)
FACULTY OF ECONOMICS AND MANAGEMENT

Besides Marsha de Klerk, from The Netherlands, being aspired to travel around the Asian countries, she was also assured by the educational courses offered in UPM which made her decided to undergo the six-month Inbound Mobility Programme at the Faculty of Economics and Management in UPM.

UNDERGRADUATE PROGRAMMES



UPM HAS 16 FACULTIES AND A CENTRE 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 UNIVERSITIES IN THE COUNTRY.

LIST OF FACULTIES

Faculty of Agriculture
 Faculty of Forestry
 Faculty of Veterinary Medicine
 Faculty of Economics and Management
 Faculty of Engineering
 Faculty of Educational Studies
 Faculty of Science
 Faculty of Food Science and Technology
 Faculty of Human Ecology
 Faculty of Modern Languages and Communication
 Faculty of 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 and Food Sciences (UPMKB, Sarawak)

CENTRE

CENTRE FOR FOUNDATION STUDIES FOR AGRICULTURAL SCIENCE

Admission Division and Academic Governance Division, previously known as the Academic Division, provides support related services to academic matters such as the Senate Management, Curriculum Management, Student Admission, Course Registration, Lecture Final Examination Scheduling, Preparation of Final Examination Venue and Final Examination Results, electronic Student Management System, 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 continuous evaluation inclusive of the final examination.

Semester 1 (September)

Lecture	7 weeks
Mid-Sem break	1 week
Lecture	7 weeks
Revision week	1 week
Final exam	2 weeks
Semester Break	5 weeks

Semester 2 (February)

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

DURATION OF STUDIES

Bachelor 5 Years

- Doctor of Medicine
- Doctor of Veterinary Medicine

Bachelor 3½ - 4 Years

Diploma 2 - 3½ Years

Foundation 1 Year

In accordance with the Malaysian Qualification Framework, the minimum credit requirements for a bachelor programme is 120 credits and 90 credits for a diploma programme. However, the actual minimum credit requirements for a programme varies from one to another depending on the standard programme either set by the Malaysian Qualification Agency or related professional bodies.

CLASSIFICATION OF DEGREE

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

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 candidate must have obtained -

- A Malaysian Certificate of Education (SPM) with minimum Grade C in Bahasa Malaysia / Bahasa Melayu or its equivalent, and a Pass in History (for SPM 2013 and onwards)
- A Malaysian Higher School Certificate (STPM) with at least CGPA 2.00 and minimum Grade C in three subjects including General Studies
- A Band 1 in the Malaysian University English Test (MUET). However, the minimum level obtained in MUET may vary from one programme to another.

OR

2. A candidate who has obtained a Matriculation or Foundation or Diploma recognised by the UPM Senate;

AND

have fulfilled special requirements for the programme i.e. attaining the required grades in SCIENCES / ARTS as specified for each UPM Bachelor programme. Some programmes may also impose additional requirements such as interview, audition, drawing, fitness test or other aptitude test. For the details please visit www.esmp.upm.edu.my/promosi.

International Candidates Requirement:

Entry requirement for international candidates can be accessed at www.akademik.upm.edu.my/ad_bac#ad_bac.

DIPLOMA PROGRAMME

A candidate must have obtained a Malaysian Certificate of Education (SPM) or its equivalent with minimum 5 credits including Bahasa Malaysia / Bahasa Melayu, Mathematics and Science. A Pass in History at SPM level is also compulsory. Details of entry requirements can be accessed at www.esmp.upm.edu.my/promosi.

FOUNDATION STUDIES IN AGRICULTURAL SCIENCE

A local candidate must have obtained a Malaysian Certificate of Education (SPM) with

- Minimum Grade C in Bahasa Malaysia / Bahasa Melayu
- A Pass in History
- Minimum Grade B in any five subjects as follows:
Biology
Chemistry
Mathematics
Additional Mathematics
Physics
Agricultural Science
AND
Minimum Grade C+ in English Language

International Candidates who have obtained an O-Level or its equivalent with at least a grade B in Biology, Chemistry, Mathematics, Additional Mathematics and Physics or its equivalent.

PROGRAMMES OF STUDY

FACULTY OF AGRICULTURE

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

FACULTY OF FORESTRY

Bachelor of Forestry Science	4 years
Bachelor of Wood Science and Technology	4 years
Bachelor of Parks and Recreation 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 Bio-system Engineering)	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 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
Bachelor of Counselling	4 years

FACULTY OF SCIENCE

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

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	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 SCIENCES

Doctor of Medicine	5 years
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 in Biotechnology with Honours	4 years
Bachelor of Science in Biochemistry with Honours	4 years
Bachelor of Science in Microbiology with Honours	4 years
Bachelor of Science in Cell and Molecular Biology with Honours	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, SARAWAK)

Bachelor of Bioindustrial Science	4 years
Bachelor of Forestry Science	4 years
Bachelor of Science in Aquaculture with Honours	4 years

Diploma in	
• Agriculture	2 years
• Forestry	2 years
• Fisheries	2 years
• Animal Health and Production	3½ years
• Food Estate Management	2 years
• Agribusiness	3 years
• Agricultural Engineering	3 years

CENTRE FOR FOUNDATION STUDIES FOR AGRICULTURAL SCIENCE

Foundation for Agricultural Science 1 year

APPLICATION DEADLINE

All applications for undergraduate admission from local applicants must be made online through the Student Admission Management Division, Department of Higher Education, Ministry of Education, Malaysia subject to the deadline.

All applications from International applicants must be submitted online via www.smp.upm.edu.my/admissionUG and the complete supporting documents must reach the Admission Division, Universiti Putra Malaysia latest by 30th June for the September intake or 30th November for the February intake. However, please be informed that only selected programmes are offered for the February intake and the details can be accessed at www.akademik.upm.edu.my/internationaladmission.

All enquiries pertaining to undergraduate programmes in UPM can be sent to:

Division of Admission & Division of Academic Governance
43400 UPM Serdang
Selangor Darul Ehsan, Malaysia

+603 9769 6060

akd@upm.edu.my

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



POSTGRADUATE PROGRAMMES



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 REWARDING LEARNING EXPERIENCES.

UPM's postgraduate degree programmes are managed by the School of Graduate Studies (SGS). Over the years, SGS has become one of the best graduate schools in the country. There are various postgraduate programmes offered by UPM's faculties and institutes. The modes of degree programmes available are by research and coursework. 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 and Management
Faculty of Engineering
Faculty of Educational Studies
Faculty of Science
Faculty of Food Science and Technology
Faculty of Human Ecology
Faculty of Modern Languages and Communication

Faculty of 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 and Food Sciences (UPMKB, Sarawak)

Institute of Bioscience
Institute of Plantation Studies
Institute of Agricultural and Food Policy Studies
Institute of Advanced Technology
Malaysian Research Institute on Ageing
Institute for Mathematical Research
Halal Products Research Institute
Institute of Tropical Forestry and Forest Products
Institute for Social Sciences Studies
Institute of Tropical Agriculture and Food Security
International Institute of Aquaculture and Aquatic Sciences

PROGRAMME STRUCTURE

- **Programmes by Research**
 - Masters (MS, MA, M.V.Sc.)
 - PhD
- **Programmes by Coursework**
 - Masters only (47 programmes)
 - minimum of 40 credits of courses
 - Doctor of Public Health
- **Programmes with Industry**
 - Doctor of Engineering (DEng)
 - Industrial PhD
- **International Collaborative Programmes**
 - Jointly Awarded Degree
 - Dual Degree
 - Double Degree

PROGRAMMES BY RESEARCH

Masters and PhD degree programmes by research are by default without coursework. However, students may need to take courses such as Research Methodology as required by the Ministry of Education and additional courses as stipulated by the Faculty/Institute.

Students pursuing programmes by research shall:

- 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 PROGRAMMES BY COURSEWORK

Students pursuing the Master's degree programmes by coursework shall fulfill a minimum of 40 credits of courses. Submission of a thesis is not a requirement but students are required to submit a project report or case study equivalent to 6 – 10 credits.

ADMISSION REQUIREMENTS

MASTER'S DEGREE PROGRAMME

- The applicant shall possess a recognised Bachelor's degree in a relevant field with a minimum CGPA of 3.000; or
- The applicant with CGPA lower than 3.000 can be admitted into the programme subject to any other requirement specified by the MQA/Faculty/Institute.

- An applicant who is in the final semester of his undergraduate study programme may be considered for provisional admission provided his current CGPA or equivalent qualification fulfils the graduate programme admission requirements.

DOCTORAL DEGREE PROGRAMME

The applicants should possess:

- a Master's degree by research in a relevant field;
- or
- a Master's degree by coursework in a relevant field and obtained a minimum CGPA of 3.00 or equivalent, or minimum requirement set by programme standard/faculty/university;
- or
- any **other** qualification approved by an authorised body.

LANGUAGE REQUIREMENT

- Malaysian candidates must have obtained at least a credit in English for Sijil Pelajaran Malaysia, or have passed English courses 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 or any other English test equivalent to the Common European Reference for Languages (CEFR). For Malay and Foreign Language Studies, the candidate must have obtained a minimum score of 400 for TOEFL or Band 4.0 for IELTS.

1. Provisional admission may be granted to applicants who have obtained a score of 500-549 for TOEFL or Band 5.5 for IELTS or its equivalent. Upon registration, applicants are required to enrol and pass the University English programme.

FIELDS OF STUDY FOR PROGRAMMES BY RESEARCH

There are 269 fields of study offered for programmes by research.

AGRICULTURE (PG 46)

Agribusiness
Agricultural Economics
Agricultural Extension
Agricultural Technology

Agronomy
Animal Behaviour 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 Civilisation Studies
Physics
Plant Biotechnology
Plant Pathology
Plant Physiology
Pure Mathematics
Soil Science
Sustainable Recreation and Ecotourism
Wildlife Ecology and Management

BIOTECHNOLOGY AND 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
Sports Science
Teaching of English as a Second
Language
Teaching of Malay as a First Language
Teaching of Malay Literature
Technical and Vocational Education

ENGINEERING (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 Civilisation Studies
Politics and Government
Psychology of Child Development
Social Psychology

MEDICINE AND HEALTH SCIENCES (PG 72)

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
Organisational 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
Theriogenology 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 AND FOOD SECURITY (PG 98)

Agronomy
Animal Behaviour 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 OF MEDICINE AND HEALTH SCIENCES

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

FACULTY OF 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



APPLICATION FOR ADMISSION (ON-LINE ONLY)

For online admission and further information about the programmes, please visit:
<http://www.sgs.upm.edu.my>

CONTACT US:

Dean, School of Graduate Studies
43400 UPM Serdang
Selangor Darul Ehsan, Malaysia.

+603 9769 4225

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PROGRAMME BY FACULTY AND INSTITUTE

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



FACULTY OF AGRICULTURE

AS 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 COMMERCIALISATION PROWESS.

Contact us:

FACULTY OF AGRICULTURE

43400 UPM Serdang
Selangor Darul Ehsan, Malaysia



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PROGRAMMES OFFERED

Bachelor Degrees

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

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 advanced 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
- Akar PUTRA® Breed
- Gano Care – organic fertiliser
ganoderma disease control
- SAPPUTRA – water-based
nanoemulsion pesticide formulation of Saponin to control Apple Snail

- The Mahseer Feed alternative fish food that speeds up fish growth, reduces cost and increases breeder profitability
- BlastBustr RS4 green technology innovation in the production of anti-fungal formula to prevent cholera while acting as a growth-boosting agent





FACULTY OF FORESTRY

THE FACULTY OF FORESTRY IS ONE OF THE PIONEERING FACULTIES OF UPM AND FOCUSSES 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.

Contact us:

FACULTY OF FORESTRY

43400 UPM Serdang
Selangor Darul Ehsan, Malaysia



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forr@upm.edu.my



www.forr.upm.edu.my

PROGRAMMES OFFERED

Undergraduate

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

POSTGRADUATE

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

FIELDS OF STUDY

- Forest Management and Ecosystem
- Wildlife Ecology and Management
- Bioresource and Technology
- Sustainable Recreation and Ecotourism

FORESTRY AND BIODIVERSITY RESEARCH CLUSTER

Research Programme

- Biodiversity Conservation and Sustainable Management
- Sustainable Tourism and Recreation
- Tropical Forest Ecosystem Services and Valuation
- Biofibre Sciences and Technology

CAREER OPPORTUNITIES

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



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

THE FACULTY OF VETERINARY MEDICINE OFFERS COMPREHENSIVE VETERINARY EDUCATION AND TRAINING IN THE DOCTOR OF VETERINARY MEDICINE (DVM) PROGRAMME AND POSTGRADUATE 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.

Contact us:

FACULTY OF VETERINARY MEDICINE

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dean.vet@upm.edu.my



www.vet.upm.edu.my

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 POST GRADUATE 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)

Post graduate

- 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 of Animal Metabolism in Disease Production

CAREER OPPORTUNITIES

Graduates of the faculty can gain employment as Veterinary Officers or Veterinary Practitioners in government agencies statutory bodies and private companies involved in animal, animal product 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 MSISO 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 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 specialised 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 and therapy
- radiology and ultrasonography
- theriogenology and cytogenetics
- disease investigation and diagnosis



FACULTY OF ECONOMICS AND MANAGEMENT AACSB-ACCREDITED

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 AS WELL AS PUBLIC SECTORS.

Contact us:

**FACULTY OF ECONOMICS AND MANAGEMENT
(AACSB-ACCREDITED)**

43400 UPM Serdang
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www.econ.upm.edu.my

PROGRAMMES OFFERED

Bachelor Degrees

Bachelor of Accounting
Bachelor of Economics
Bachelor of Business Administration

Postgraduate

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

Specialisations Offered

· Economics, Management,
Accounting, Finance, Human
Resource Management, Marketing,
Business Economics, Business Law,
Corporate Leadership, Hospitality and
Tourism

Economics Department Courses

· Microeconomics, Macroeconomics,
Econometrics, Research
Methodology, Monetary Economics,
Economic Growth and Development,
International Economics, Industrial
Economics, Financial Economics,
Environmental Economics,
Mathematical Economics, Economic
Planning and Policy, Labour
Economics, Health Economics,
General Equilibrium Technique and
Applied Time Series Analysis

Management and Marketing Department Courses

· Management, Marketing, Human
Resource Management, Business
Law, Business Economics,
Entrepreneur, International Business,
Hospitality, Tourism, Qualitative and
Quantitative Analysis

Accounting and Finance Department Courses

· Financial Management, Accounting,
Audit, Tax, Finance, Islamic Finance,
International Finance, Derivatives and
Corporate Accountability

RESEARCH FOCUS

· Industrial Economics
· Financial Economics
· Public Finance Economics
· Development Economics
· Monetary Economics
· International Economics

· Resource and Environmental
Economics
· Management
· Accounting
· Finance
· Human Resource Management
· Marketing
· Business Economics
· Business Law
· Corporate Leadership
· Hospitality
· Tourism
· Islamic Finance and Accounting
· Supply Chain Management

CAREER OPPORTUNITIES

Occupations 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 and executives in the field of marketing, finance, operation and human resource. Other functional areas in local and international organisations also include banking, real estate, manufacturing, commerce, telecommunication and various industries.

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. Students follow the trimester system and they complete their studies in 4 years.

ACHIEVEMENTS:

The faculty is the first university in the country and sixth in Southeast 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 schools in the world.





FACULTY OF ENGINEERING

EAC-ACCREDITED

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 3,000 STUDENTS. ITS LOCATION 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 DEPARTMENT OF AEROSPACE ENGINEERING, DEPARTMENT OF CIVIL ENGINEERING, DEPARTMENT OF BIOLOGICAL AND AGRICULTURAL ENGINEERING, DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING, DEPARTMENT OF CHEMICAL AND ENVIRONMENTAL

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ENGINEERING, DEPARTMENT OF COMPUTER AND COMMUNICATION SYSTEMS ENGINEERING, DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING; AND DEPARTMENT OF PROCESS AND FOOD ENGINEERING - OFFERING 8 BACHELOR PROGRAMMES, 12 MASTERS PROGRAMMES BY COURSEWORK, 1 PHD PROGRAMME WITH INDUSTRY AND 34 FIELDS OF STUDY FOR PROGRAMME BY RESEARCH (PHD/MASTER).

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 focussing 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 a 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 by coursework programmes. Students enrolling under these programmes must fulfill a minimum of 40 credits for coursework with a minimum study period of 1 ½ years (3 semesters) and maximum of 2 years (4 semesters):

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

Masters with Thesis and Phd

Programme by Research (Master/PhD)
The Faculty of Engineering also offers

34 fields of postgraduate studies with a minimum study duration of 1 ½ years (3 semesters) and maximum of 3 years (6 semesters) for Masters with Thesis Programmes. As for Phd, a minimum study duration of 2 years (4 semesters) and maximum of 5 years (10 semesters) is required.

Fields of Study

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) Programme

The Faculty of Engineering offers a PhD with industry known as the 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 with industrial experience are eligible to apply for this programme. The candidates can apply for the same PhD fields of study and may have a supervisory committee member from the industry. This programme is 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; and
3. Share our knowledge and skills with communities throughout the world

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

The Faculty of Engineering has been at the forefront of innovation, creating pivotal technologies that have transformed the world of aerospace, mechanical, civil, electrical, electronics, computer communications engineering, chemical environmental engineering, biology agriculture engineering and food process engineering. As expert in engineering, the faculty offers full range of high technology engineering equipment. The wind tunnel is one of the most high technology facility in the 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 experts whom are consist of professors, lecturers, technical experts and researchers within the department. The research interests include a wide range of fluid dynamic, combustion and propulsion problems and experiment on aerodynamics studies.

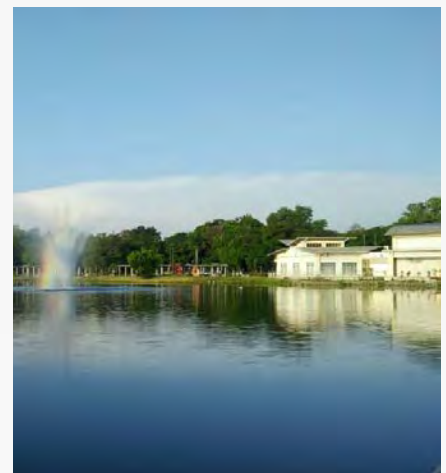
Currently, the department offers two types of subsonic wind tunnels. One is an open circuit type which was built in 2002 in a joint effort with the University of Gadjah Mada Indonesia. A single return tunnel





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 a closed circuit type which was built in 2015 with the same size test section. It is designed to operate at velocities of over 50 m/s. Tunnels were 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 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 to 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 an 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

TEAC-ACCREDITED

THE OBJECTIVES OF THE FACULTY OF EDUCATIONAL STUDIES ARE TO PROVIDE UNDERGRADUATE TEACHER EDUCATION PROGRAMMES AND POSTGRADUATE 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.

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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 Malay Language
- Bachelor of Education Teaching of 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

Fields 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

Fields of Study:

- Curriculum and Instruction
- Educational Administration
- Educational Psychology
- Sociology of Education
- Instructional Technology and Innovation
- Extension Education
- Guidance and Counselling
- Human Resource Development
- Moral Education
- Physical Education
- Sports Science

- Teaching of English as a Second Language
- Teaching of Malay Language
- Teaching of Malay Literature
- Technical and Vocational Education
- Health Education and Communication

RESEARCH FOCUS

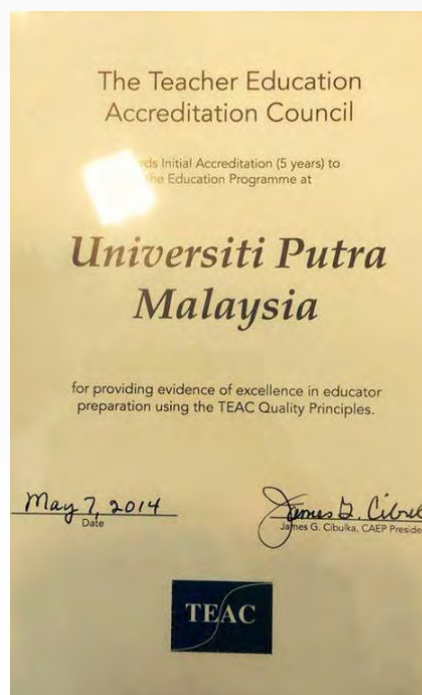
- Entrepreneurship and Leadership in Education
- Guidance and Counselling
- Vocational and Technical Education
- Extension and Continuing Education
- Potential Enhancement and Caring Education (PEaCE)
- Human Resource Development
- Innovative Teaching and Learning

ACHIEVEMENTS

- According to the 2018/2019 rating by QS World University Rankings, Universiti Putra Malaysia (UPM) is recognised 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 programmes from an international organisation, The Teacher Education Accreditation Council (TEAC), which is based in Washington DC, USA.
- This recognition places the teacher education programmes at UPM comparable with teacher education programmes of several leading universities in the US, which receive accreditation from TEAC, such as



University of Virginia, University of Nebraska, University of Michigan, Temple University and Rutgers University.

- The accreditation received for the Bachelor of Education programmes 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 acknowledge TEAC as an accreditor of teacher-preparation programmes. TEAC is an agency recognised by the US Department of Education and Council for Higher Education Accreditation United States.
- The TEAC accreditation process underwent by the Faculty was a three-year comprehensive procedure in assuring the quality of teacher education programmes offered meets the standard criteria of TEAC. The accreditation obtained by the Faculty of Educational Studies is the highest endorsement receives from an international body of accreditation with the aim of producing competent, caring and qualified teachers.



FACULTY OF SCIENCE

RSC-ACCREDITED

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.

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PROGRAMMES OFFERED

Undergraduate

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

Postgraduate

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

FIELDS OF STUDY:

Biology

- Biodiversity and Conservation
- Ecology
- Genetics
- Physiology

Chemistry

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

Physics

- Physics
- Materials Science
- Applied Physics

- Theoretical and Computational Physics

Mathematics

- Statistics
- Applied Mathematics
- Numerical Analysis
- Pure Mathematics

RESEARCH AREAS

Biology

- Biodiversity and Conservation
- Ecology
- Genetics
- Physiology

Chemistry

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

Mathematics

- Numerical Methods
- Mathematical Physics
- Mathematical Finance
- Operational Research
- Optimisation
- Cryptography
- Algebra
- Analysis
- Geometry and Topology
- Number Theory
- Reliability
- Statistical Modelling

Physics

- Condensed Matter Physics
- Instrumentation Sciences And Technology
- Magnetic and Superconducting Materials
- Theoretical and Computational Physics

CAREER OPPORTUNITIES

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



ACHIEVEMENTS

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



FACULTY OF FOOD SCIENCE AND TECHNOLOGY

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

THE FACULTY HAS ALSO CONTINUOUSLY RETAINED ITS POSITION AS ONE OF THE TOP RESEARCH ENTITY OF THE UNIVERSITY WITH ITS FOOD INNOVATION EFFORTS AND FACILITIES. WITH NEARLY 30 YEARS OF EXPERIENCE, BOTH THE UNDERGRADUATE AND POSTGRADUATE PROGRAMMES OFFERED AT THE FACULTY ARE RECOGNISED THROUGHOUT THE WORLD.

Contact us:

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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 Management

Postgraduate by Coursework

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

RESEARCH FOCUS

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

CAREER OPPORTUNITIES

There are many employment opportunities for our graduates in both the private and public sectors. These include jobs such as food technologist, food analysts, food safety officer, Halal food enforcement officers, quality assurance executives, research and development executives, food marketing executives, technical sales executives, food operation management executives, food promoters, food and beverage managers, restaurant managers, menu planners, food waiters, and entrepreneurs.



ACHIEVEMENTS

- The Ministry of Health Malaysia has selected the Faculty of Food Science and Technology as the institution of choice to establish its National Food Safety Research (NFSR) Centre due to the renowned research expertise of the faculty members in food safety. This was immediately followed by the recognition and appointment of the NFSR as the information network coordinator in the field of microbiological risk assessment (MRA) for the Asia-Pacific region by the Food and Agriculture Organisation (FAO) of the United Nations regional office for Asia and the Pacific.
- Another historic milestone was the establishment of the institute for research on *halal* products. The institute is now playing a major role in the instituting of halal issues in products marketed in Malaysia and for export.
- The Faculty of Food Science and Technology was selected as the custodian for the Supercritical Fluid

Technology acquired by the Malaysian Biotechnology Corporation. The Supercritical Fluid Technology Centre (SFC) established in UPM has proven to be a valuable green technology platform for production of functional foods, fine chemicals, nutraceuticals and pharmaceuticals.





FACULTY OF HUMAN ECOLOGY

THE FACULTY OF HUMAN ECOLOGY OFFERS MULTIDISCIPLINARY STUDIES FOCUSING ON HOLISTIC HUMAN DEVELOPMENT AND WELL-BEING WITHIN THE CONTEXT OF THEIR ENVIRONMENT. AT PRESENT, THE FACULTY OF HUMAN ECOLOGY COMPRISES FIVE (5) DEPARTMENTS - HUMAN DEVELOPMENT AND FAMILY STUDIES, RESOURCE MANAGEMENT AND CONSUMER STUDIES, SOCIAL AND DEVELOPMENT SCIENCES, GOVERNMENT AND CIVILISATION STUDIES, AND MUSIC, AND ONE (1) UNIT THAT IS THE UNIT OF EXTERNAL EDUCATION AND INDUSTRIAL TRAINING WHICH FACILITATES THE RUNNING OF EXTERNAL PROGRAMME AND STUDENTS' INDUSTRIAL TRAINING AND ATTACHMENT. THE FACULTY OF HUMAN ECOLOGY IS THE ONLY FACULTY IN THE COUNTRY OFFERING THE BACHELOR OF HUMAN DEVELOPMENT SCIENCE AND BACHELOR OF CONSUMER STUDIES. THE CONSUMER FINANCE PACKAGE IN THE BACHELOR OF CONSUMER STUDIES HAS ALSO BEEN RECOGNISED BY THE FINANCIAL PLANNING ASSOCIATION

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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 Empowerment, Consumer and Well-being, Family Ecology, Family Economics and Finance, Music and Well-being, Philosophy and Civilisation, Politics and Government, Child and Adolescent Development, Adulthood and Ageing; and Family Well-being.

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 staff's expertise in the field of child development.
- Prof. Dr. Jayum Jawan, Professor of Politics and Government has been appointed as the Distinguished 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 the 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, Anti-drug and Enforcement Officer, Medical Social Worker, 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**
Music Teacher, Members of an Orchestra, Lecturer, Composer, Music Therapist, Producer and Audio Expert

FAMILY, ADOLESCENT AND CHILD RESEARCH CENTRE OF EXCELLENCE (FACE) FACULTY OF HUMAN ECOLOGY, UPM

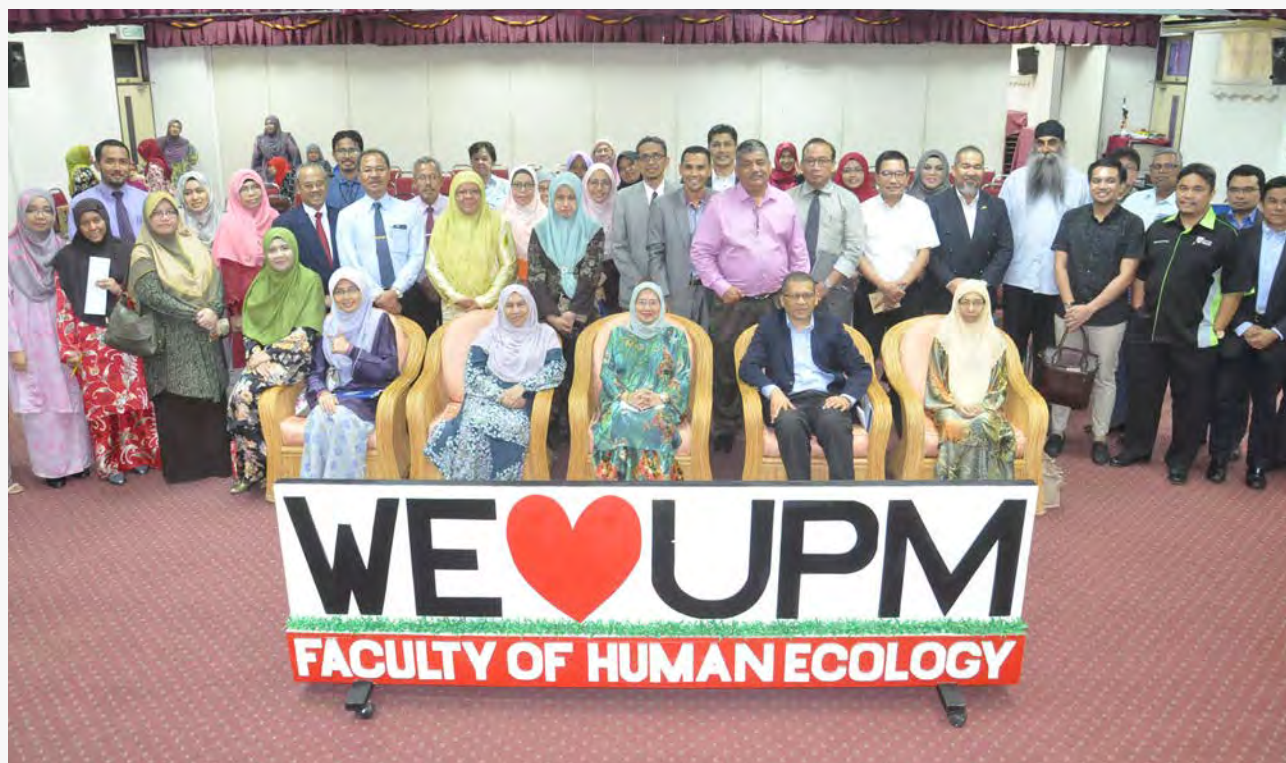
Realising the importance of family in generating human capital that can meet the aspirations of the country's development, the Family, Adolescent and Child Research Centre of Excellence (FACE) was set up in 2008 with the aim to improve the quality of life of families, children and adolescents through research, publications, teaching, and professional services in focus 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 address 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 programmes on family, adolescents and children are targetted at enhancing nations quality manpower resources, thus to ensure the 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 the 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 Task 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 the Child Development related courses.





PUBLICATION

The achievement of the Faculty of Human Ecology as a whole for the year of 2006 to 2018 in publication is as follows:

YEAR	TOTAL OF PUBLICATION			
	CITED JOURNAL	NON-CITED JOURNAL	BOOKS	CHAPTERS IN BOOKS
2006	3	40	8	18
2007	6	24	9	23
2008	16	160	22	39
2009	61	55	22	105
2010	41	128	20	30
2011	38	87	4	38
2012	74	68	6	52
2013	60	59	3	21
2014	53	64	13	23
2015	53	78	12	40
2016	34	72	5	26
2017	69	77	15	44
2018	55	87	12	58





FACULTY OF MODERN LANGUAGES AND COMMUNICATION

THE FACULTY OF MODERN LANGUAGES AND COMMUNICATION COMPRISES FOUR DEPARTMENTS. THE DEPARTMENT OF MALAY LANGUAGE OFFERS THE FOLLOWING DEGREE PROGRAMMES: BA IN MALAY LANGUAGE AND LINGUISTICS, AND BA IN MALAY LITERATURE. THE DEPARTMENT OF ENGLISH OFFERS THE FOLLOWING DEGREE PROGRAMMES: BA IN ENGLISH LANGUAGE AND LINGUISTICS, AND BA IN ENGLISH LITERATURE. COURSES IN ARABIC, CHINESE, FRENCH AND GERMAN LANGUAGES ARE OFFERED AS MAJOR COURSES BY THE DEPARTMENT OF FOREIGN LANGUAGES. THE DEPARTMENT OF COMMUNICATION OFFERS THE DEGREE IN BACHELOR OF COMMUNICATION. THERE ARE FOUR AREAS OF SPECIALISATION, NAMELY: CORPORATE COMMUNICATION, BROADCASTING, JOURNALISM, AND HUMAN COMMUNICATION.

Contact us:

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PROGRAMMES OFFERED

UNDERGRADUATE DEGREES

A. On-campus Programmes

Bachelor of Arts

- Malay Language and Linguistics
- Malay Literature
- English Language and Linguistics
- English Literature
- Foreign Languages (Arabic, Chinese Studies, French Studies, German Studies)

Bachelor of Communication

B. Executive Programmes

Bachelor of Arts

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

Bachelor of Communication

POSTGRADUATE DEGREES

Programme by Research

Master of Arts/Master of Science/ Doctor of Philosophy in:

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

Programme by Coursework

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



AREAS OF EXPERTISE

- Language Studies (Malay, English, Arabic, 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

The Bachelor of Arts Degree Programmes at the Faculty of Modern Languages and Communication prepare the graduates for a range of careers in various sectors including in the domains of public, customer and international relations; writing and editing, as well as human resource management. For Bachelor of Communication graduates, there is a broad career opportunity in the fields of Communication and Media.

They may become a Journalist, TV/ Radio Producer, Script Writer, Corporate Communication Executives, Public Administrative Executives, Communication Researcher, etc.

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 Malay civilisations in Peninsular Malaysia, covering:

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

This museum is open to the public. For more details, please visit our website at <http://www.muziumwarisanmelayu.upm.edu.my/> or at <https://www.facebook.com/MuziumWarisanMelayu/>



FACULTY OF DESIGN AND ARCHITECTURE

THE FACULTY OF DESIGN AND ARCHITECTURE WAS OFFICIALLY ESTABLISHED IN JUNE 1996 AND BEGAN ITS OPERATION WITH 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 NINE PROGRAMMES WITH AN ENROLMENT OF MORE THAN 800 STUDENTS AT THE UNDERGRADUATE, MASTER AND DOCTORAL LEVELS.

Contact us:

FACULTY OF DESIGN AND ARCHITECTURE

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www.frsb.upm.edu.my



THE FACULTY AIMS TO:

- TO BECOME A FACULTY OF INTERNATIONAL REPUTE IN THE FIELDS OF SUSTAINABLE DESIGN AND BUILT ENVIRONMENT.
- TO CONTRIBUTE TOWARDS WEALTH CREATION, NATION BUILDING AND UNIVERSAL HUMAN ADVANCEMENT THROUGH THE EXPLORATION, DISSEMINATION AND APPLICATION OF KNOWLEDGE IN SUSTAINABLE DESIGN AND BUILT ENVIRONMENT.

PROGRAMMES OFFERED

Undergraduate Degrees

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

Postgraduate Degrees

- Master of Landscape Architecture (MLA)
- Master of Architecture (M.Arc)
- Master of Tropical Urban Design (MTUD)
- Master in Sustainable Landscape Management (MSLM)
- Master of Science (MS) with thesis:
 - a) Landscape Studies
 - b) Architectural Studies

- c) Urban Planning and Design
- d) Integrated Design Studies
- e) Industrial Design Studie

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
- Industrial Design Innovation
- Culture and Heritage

CAREER OPPORTUNITIES

Qualified graduates may aspire to become professional architectural consultant and industrial designers. Graduates may also be hired in government sectors and various fields related to landscape, architecture and industrial design, and also 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 design works by students and staff at local and international competitions and exhibitions.





FACULTY OF MEDICINE AND HEALTH SCIENCES

ACCREDITED BY THE INSTITUTE
OF BIOMEDICAL SCIENCE AND
CHARTERED INSTITUTE OF
ENVIRONMENTAL HEALTH

THE FACULTY OF MEDICINE AND HEALTH SCIENCES OFFERS PROGRAMMES IN BOTH DISCIPLINES, COMPRISING 16 DEPARTMENTS. THE FACULTY IS LOCATED AT AN ACADEMIC COMPLEX NEXT TO THE SERDANG HOSPITAL. THE FACULTY FACILITATES THE ACTIVE LEARNING OF OVER 2,000 UNDERGRADUATE AND POSTGRADUATE STUDENTS THROUGH THE DISSEMINATION OF 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.

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FACULTY OF MEDICINE AND HEALTH SCIENCES

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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 DEGREES

- Master of Science
- Master of Public Health
- Doctor of Public Health
- Master of Pathology
- Master of Psychiatry
- Master of Paediatric
- Master of Family Medicine
- Master of Internal Medicine
- Master of Orthopaedic
- Master of Anaesthesiology
- Doctor of Philosophy

RESEARCH FOCUS

- Genetics
- Nutrition
- Neuroscience
- Stem Cells
- Molecular Diagnostics
- Community Health

- Cancer
- Nutrition and Health
- Infectious Diseases
- Allergies
- Mental Health
- Cardiovascular Disease
- Environmental and Occupational Health

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, dietitians, laboratory consultants, clinical nurses, nursing experts, science officers, safety and health executives, health inspectors, consultants, quality officers, researchers, lecturers, projects coordinators relating to health sciences and many more.t

ACHIEVEMENTS

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





FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

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.

THE 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.

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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.

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

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
- Big Data and Data Analytic

CAREER OPPORTUNITIES

The employment potential for this programme is vast with graduates seeking to be systems analysts or

information systems officers, database administrators, multimedia software developers, software engineers, networks and distributed systems managers, network programmers, systems engineers, software consultants, knowledge database engineers, lecturers, researchers, and many more.

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 Degrees

Master Programme by Coursework

- Master of Computer Science
- Master of Software Engineering
- Master of Information Security

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

- Database Systems
- Security in Computing
- Software Engineering

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 AND BIOMOLECULAR SCIENCES

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 AND BIOCHEMISTRY (ESTABLISHED IN 1976). BIOTECH UPM 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.

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PROGRAMMES OFFERED

Undergraduate

- Bachelor of Science in Biotechnology with Honours
- Bachelor of Science in Biochemistry with Honours
- Bachelor of Science in Microbiology with Honours
- Bachelor of Science in Cell and Molecular Biology with Honours

Postgraduate

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

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

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, Sartorius, Guinness, Glaxo, Setron, Asia Green, Green Note, MPOB, MARDI, FRIM, RRIM, MNA (Malaysian Nuclear Agency), the Prime Minister's Department; Ministry of Science, Technology and 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 BioTech UPM have resulted in a number of awards won and patents filed every year, as well as publication in refereed journals with high impact factors.





FACULTY OF ENVIRONMENTAL STUDIES

THE FACULTY OF ENVIRONMENTAL STUDIES WAS THE FIRST TO INTRODUCE AN ENVIRONMENTAL PROGRAMME IN THE SOUTHEAST ASIA. IT IS THE ONLY ACADEMIC BODY OFFERING A DEGREE IN ENVIRONMENTAL SCIENCES AND MANAGEMENT IN MALAYSIA AT THE BACHELOR, MASTER AND DOCTORAL LEVEL. THE FACULTY HAS TWO DEPARTMENTS, WHICH ARE, THE DEPARTMENT OF ENVIRONMENTAL SCIENCES AND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

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

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 private sectors, such as the Malaysian Remote Sensing Agency (MRSA), Forest Research Institute Malaysia (FRIM), state governments, SIRIM, ESSO, Petronas, Shell, water supply companies, environmental consultants and many more.

ACHIEVEMENTS

- Received more than RM 9 million in research funds from both domestic and international sponsors to support research activities in the faculty.
- Partnership with Cuckoo International (MAL) Sdn. Bhd. for an establishment of UPM-CUCKOO H2O Industrial Centre of Excellence, which aims to

jointly fosters water-related research projects for sustainable management of water resources, environmental protection, safe drinking water and sanitation.

- Academic members of the faculty are recognised as the Top Research Scientists Malaysia 2018 from the Academic of Sciences Malaysia.





FACULTY OF AGRICULTURE AND FOOD SCIENCES @ BINTULU CAMPUS

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, SUPPORTING OUR FIVE ACADEMIC AND RESEARCH THRUSTS, NAMELY AGRICULTURE, FORESTRY, RENEWABLE ENERGY, INDUSTRIAL CHEMISTRY AND ENGINEERING, ETHNIC AND SOCIAL ECONOMICS.

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 THE PRIVATE AND PUBLIC SECTORS OF THE INDUSTRIAL COMMUNITY HAS ALSO BEEN ESTABLISHED TO ENSURE UPMKB'S ACADEMIC PROGRAMMES

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ARE IN LINE WITH EDUCATIONAL PHILOSOPHIES AND FULFILL THE MARKET DEMANDS. THE DEPARTMENTS THAT MAKE UP THE FACULTY ARE CROP SCIENCE, FORESTRY SCIENCE, ANIMAL SCIENCES AND FISHERY, BASIC SCIENCE AND ENGINEERING, AND SOCIAL SCIENCES.

PROGRAMMES OFFERED

Pre Diploma

- Pre Diploma Science

Diploma

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

Bachelor

- Bachelor of Bioindustrial Science
- Bachelor of Science in Aquaculture with Honours
- Bachelor of Forestry Science

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

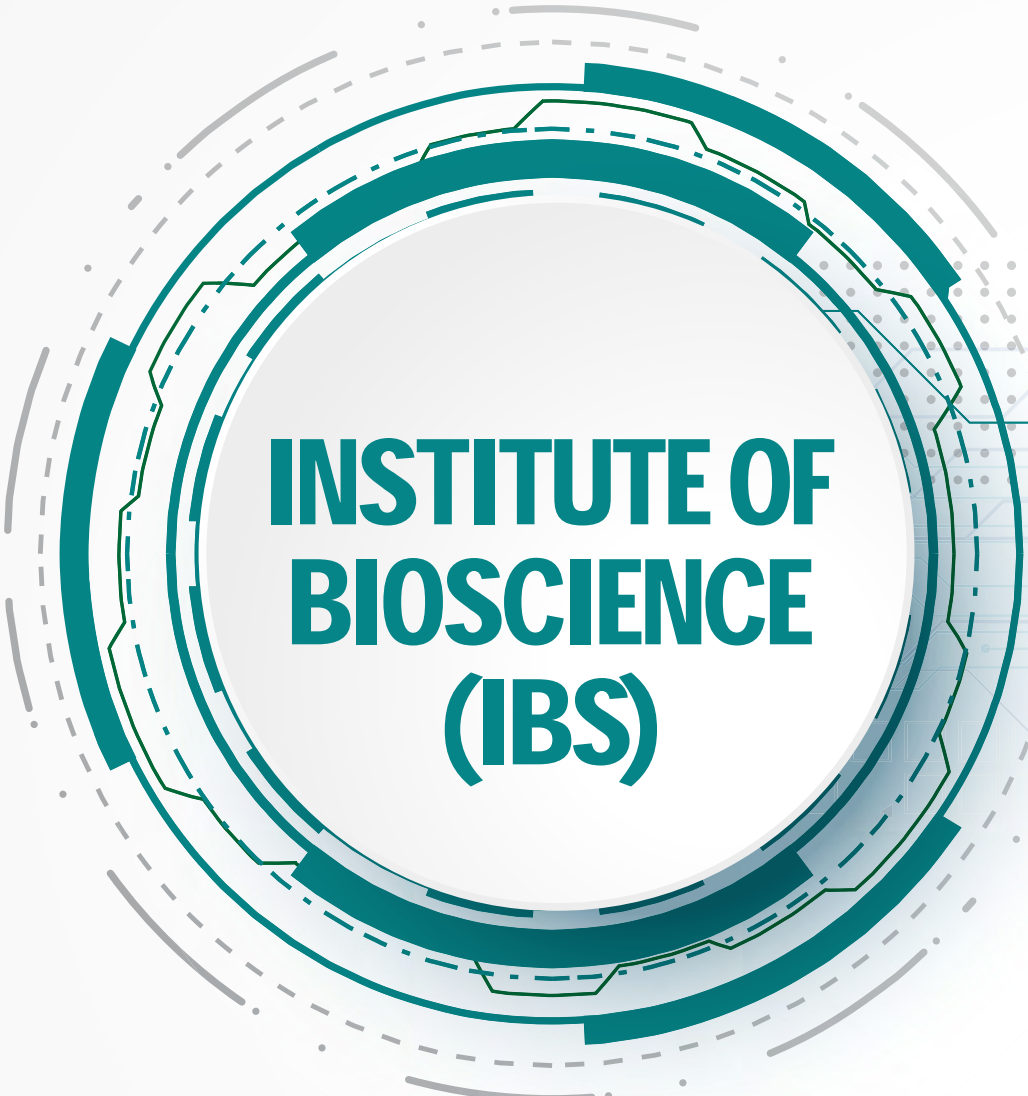
RESEARCH FOCUS

- Agriculture
- Forestry
- Renewable Energy
- Industrial Chemistry and Engineering
- Ethnic and Social Economics

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 (IBS)

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 30 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

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

RESEARCH PROGRAMMES

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

FIELD OF STUDIES

- Aquatic Biotechnology
- Biotherapeutics
- Cancer Biology and Oncology
- Marine Ecology and Biodiversity
- Medical Biotechnology
- Medicinal Chemistry
- Metabolomics
- Molecular Biotechnology
- Nanomedicine
- Phytochemistry
- Vaccine and Therapeutics

ACHIEVEMENTS

- Recognised by the Ministry of Higher Education as Higher Institution Centres of Excellence (HiCoE) in the country for research in animal vaccines and therapeutics.
- 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 Testing Facility, High-end Spectroscopy Facility, Microbial Culture Collection Facility and Genomics and Gene Expression 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)

INSTITUTE OF ADVANCED TECHNOLOGY (ITMA), UNIVERSITI PUTRA MALAYSIA WAS ESTABLISHED IN 1999 AS AN INTERDISCIPLINARY ADVANCED RESEARCH INSTITUTE. IN LINE WITH THE 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 CHARACTERISATION, 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.

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MS ISO/IEC 17025



LABORATORIES

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

- Materials Synthesis and Characterisation 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 equipments and offer testing services to meet the needs of research, especially in the areas of advanced materials and nanotechnology. Testing 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 characterisation

LIST OF EQUIPMENTS

- Ultra High Resolution Scanning Electron Microscope (FESEM) with Energy Dispersive X-Ray (EDX) (with International Standard ISO/IEC 17025:2005 recognition)
- RAMAN Spectroscopy
- Thermo Gravimetric Analyser (TGA/ DSC)
- Nano Sizer
- Fourier Transform Infrared (FTIR)
- Surface Area Analyser (BET)
- Universal Testing Machine (UTM)
- UV Visible Spectro Photometer (UV-Vis)
- Rheometer
- Vector Network Analyser (VNA)
- Hysteresis Graph System
- Gas Chromatography (GC-FID, GC-TCD)





MALAYSIAN RESEARCH INSTITUTE ON AGEING (MyAGEING™)

THE INSTITUTE OF GERONTOLOGY (IG) WAS ESTABLISHED ON 1ST APRIL 2002 WITH A VISION AND MISSION TO BECOME A WORLD CLASS CENTRE OF EXCELLENCE FOR GERONTOLOGY THROUGH RESEARCH, EDUCATION AND PROFESSIONAL SERVICES. IN RECOGNITION OF ITS CONTRIBUTION AND ROLE IN THE FIELD OF AGEING, IG WAS REBRANDED INTO THE MALAYSIAN RESEARCH INSTITUTE ON AGEING (MYAGEING™) ON 20TH MARCH 2015, IN LINE WITH RECOMMENDATIONS UNDER THE NATIONAL POLICY FOR OLDER PERSONS. MYAGEING™ FUNCTIONS AS A NATIONAL CENTRE FOR RESEARCH IN GERONTOLOGY, GERIATRICS AND GERONTECHNOLOGY TO ADDRESS THE MULTIDIMENSIONAL CHALLENGES OF OLD AGE AND AGEING IN MALAYSIA AND THE SOUTHEAST ASIAN REGION. LED BY PROF. DATO' DR. TENGKU AIZAN HAMID, ITS FOUNDING DIRECTOR, THE INSTITUTE AIMS TO BE AN INTELLECTUAL AND PHYSICAL HUB FOR RESEARCH,

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DEVELOPMENT, COMMERCIALISATION AND INNOVATION (RCDI) ON AGEING.

MYAGEING™ HAS ACHIEVED MAJOR ACCOMPLISHMENTS IN AGEING RESEARCH, TRAINING AND SOCIAL INNOVATIONS THROUGH THE SUPPORT OF GLOBAL PARTNERS SUCH AS THE UNITED NATIONS POPULATION FUND (UNFPA), THE UNITED NATIONS INTERNATIONAL INSTITUTE ON AGEING (IUIA), MALTA AND THE CITI FOUNDATION. SINCE 2002, THE INSTITUTE HAS COMPLETED MORE THAN 80 RESEARCH PROJECTS AND PUBLISHED OVER 150 JOURNAL ARTICLES, BOOKS AND BOOK CHAPTERS. UNDER THE COUNTRY'S ONLY GRADUATE STUDIES PROGRAMME IN GERONTOLOGY, MYAGEING™ AIMS TO NURTURE A NEW GENERATION OF RESEARCHERS IN THE FIELD OF OLD AGE AND AGEING.



GRADUATE STUDIES

- Master of Science
- Doctor of Philosophy

Fields of Study:

- Social Gerontology
- Medical Gerontology
- Gerontechnology

LABORATORIES

- Social Gerontology Laboratory
- Medical Gerontology Laboratory

RESEARCH PROGRAMMES

1. Functioning in Old Age
Research focusses on identifying the multifactorial domains associated with improved physical, cognitive, mental as well as social functions and its relationships to quality of life and well-being. The aim of this research programme is to show how research and technology could be used in maintaining and improving the health of older persons.
2. Aged Care
Research programme on care in later life focusses on the conveyance of

what is needed for holistic health and social care, welfare and social protection of older persons. Since aged care is directly influenced by policy and legislative frameworks, the research plays a role in providing evidence-based information for key actors in the public and private sector.

3. Empowerment of Older Person
The aim of this research programme is to empower older persons to exert greater control in the decision-making of choices and on all other aspects of their lives to lead an active, productive, and positive old age. Studies focus on human potential in later life and improving the capability and opportunities for seniors to contribute to the family, community and society

ACHIEVEMENT

- The institute has completed over 80 interdisciplinary research projects with a total grant value of RM17 million from local and international funding agencies.
- The Institute is the only entity offering postgraduate programmes (MSc & Ph.D) in the field of Gerontology

in Malaysia. It also runs regular training programmes for professional development in the field of ageing.

- The Institute of Gerontology introduced the University of the Third Age (U3A) programme in 2008 as a social innovation to promote active and productive ageing through lifelong learning activities.
- In collaboration with the Citi Foundation, MyAgeing™ has organised the Citi-UPM Financial Empowerment for Mature Women Program in 2012 with the objective to promote financial education for women to ensure that they are financially independent and empowered in their old age.
- The Institute, through its research work in aged care, has promoted the development of a national platform for residential aged care service providers in 2016 to encourage industry-wide participation in ensuring a holistic care for older Malaysians.



INSTITUTE FOR MATHEMATICAL RESEARCH (INSPERM)

INSPERM OR THE INSTITUTE FOR MATHEMATICAL RESEARCH FOCUSSES 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 CHANNELLED 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

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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 and Computing Services

RESEARCH PROGRAMMES

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

ACHIEVEMENT

- Recognition from the European Mathematical Society (EMS) as an "Emerging Regional Center of Excellence" on 26th May 2014.
- Recognition from the Italian counterpart as a Malaysia-Italy Centre of Excellence for Mathematical Sciences (MICEMS) on 10th March 2016.

INSPERM GALLERY

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

ULUGH BEG COMPUTER LABORATORY

This laboratory equips with 30 desktops for use in activities organised by INSPERM. Among the softwares provided in this laboratory include LaTeX, SPSS, MINITAB, SAS, R and other mathematical software.



INSTITUTE OF AGRICULTURAL AND FOOD POLICY STUDIES (IKDPM)

THE INSTITUTE OF AGRICULTURAL AND FOOD POLICY (IKDPM) FOCUSSES ON PROVIDING SOLUTIONS TO SUSTAINABLE AGRICULTURAL DEVELOPMENT IN THE FACE OF GROWING COMPLEXITY OF CURRENT CHALLENGES SUCH AS RESOURCE DEPLETION, CLIMATE CHANGE, GLOBALISATION AND TECHNOLOGICAL ADVANCEMENT. IT PROVIDES ALTERNATIVE PERSPECTIVES AND POLICY OPTIONS TO POLICY MAKERS AND THE PUBLIC AT LARGE.

IKDPM'S CORE ACTIVITIES ARE RESEARCH, CONSULTANCY, 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; AND
- TO IDENTIFY AND ANALYSE CURRENT AND FUTURE ISSUES IN AGRICULTURE, FOOD AND NATURAL RESOURCES.

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LABORATORIES

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

RESEARCH PROGRAMMES

- The Economics of the Agricultural Marketing and Trade Policy
- The Prospects and Sustainability of Food Security in Malaysia
- System Dynamics Analysis of the Malaysian 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
- Collaborated with SME Corp. to develop the Input-Output Table for SMEs in Malaysia
- Collaborated with the Department of Statistics Malaysia and United Nations Statistics Division to develop the Roadmap for System of Environmental-Economic Accounting (SEEA), 2016-2020





HALAL PRODUCTS RESEARCH INSTITUTE (IPPH)

THE 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 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"**.

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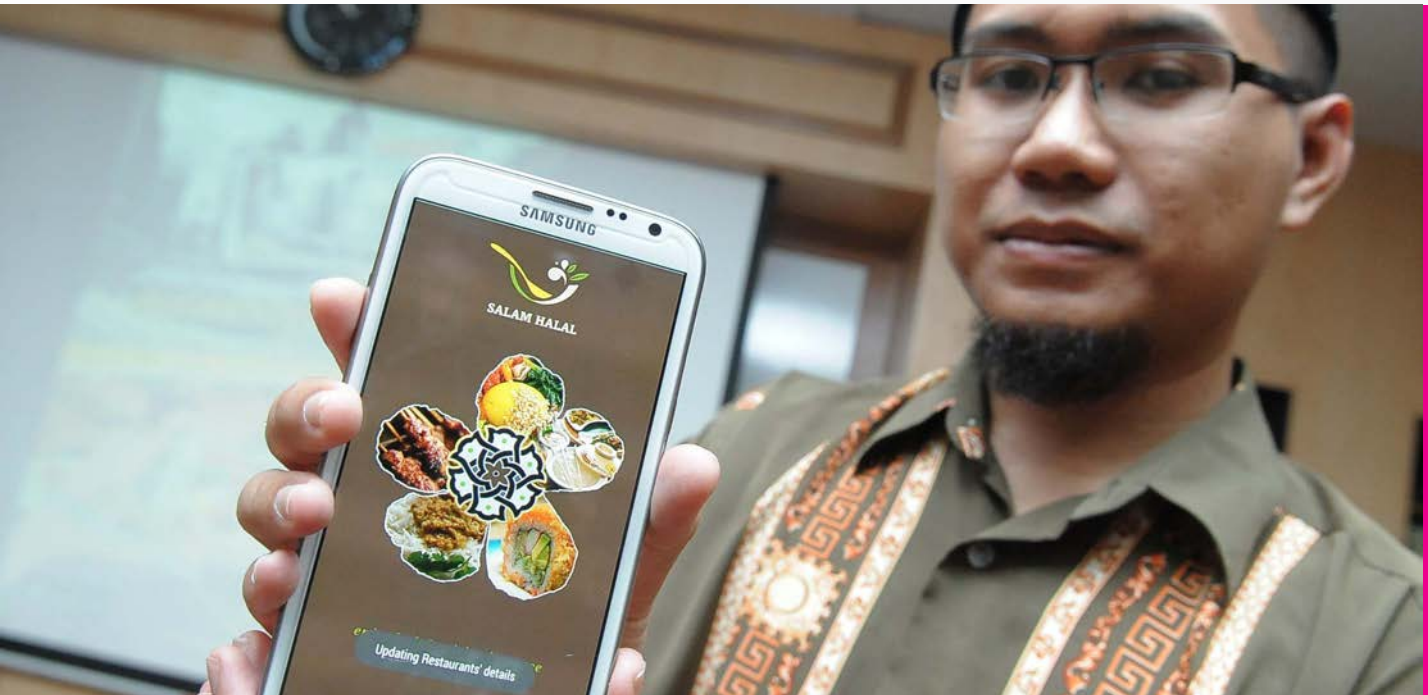
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LABORATORIES

- Laboratory of Halal Science Research
- Laboratory of Halal Policy and Management
- Laboratory of Halal Services

RESEARCH PROGRAMMES

- Halal Products Analysis and Authentication
- Halal Products Innovation
- Business and Halal Management
- Shariah and Halal Laws

AREA OF EXPERTISE

- Halal Business and Management
- Shariah and Law
- Halal Slaughtering
- Halal Supply Chain Management
- Halal Logistics
- Halal Consumerism
- Halal Tourism
- Halal Standards and Policy
- Administration and Islamic Law
- Proteomic
- Food Authenticity and Traceability
- Molecular Biology
- Food Science and Technology
- Food Engineering

- Sensor Technology
- Alternative Product Development

ACHIEVEMENTS

- The 1st Halal Analytical Services Laboratory in Malaysia under the Prime Minister's department
- Developed a method and kit for extracting and identifying gelatine protein known as GelExt KIT
- Developed a 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
- Achieved Certificate of Filing on patent of "A Device for Identifying Source of Fat, a System and a Method Thereof"
- 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
- Awarded "Halal Training Provider" by Jabatan Kemajuan Islam Malaysia (JAKIM)

- Awarded Halal Research and Science Award 2018 by the Halal Industry Development Corporation (HDC)
- Commercialised "Thohira" muslim friendly animal feed and supplements
- Commercialised "Trichobiome" organis biocontrol for agriculture





INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS (INTROP)

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 PLANTATION, RICE HUSKS, COCONUT TRUNKS, COIR OIL PALM FIBRES INCLUDING OIL PALM TRUNKS (OPT), OIL PALM FRONDS (OPF), EMPTY FRUIT BUNCHES (EFB) AND PINEAPPLE LEAF AND KENAF. THESE MATERIALS CAN SERVE AS THE FUTURE ALTERNATIVE FIBRE RAW MATERIALS IN A WIDE RANGE OF APPLICATIONS E.G. 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 INSTITUTE OF TROPICAL FORESTRY AND

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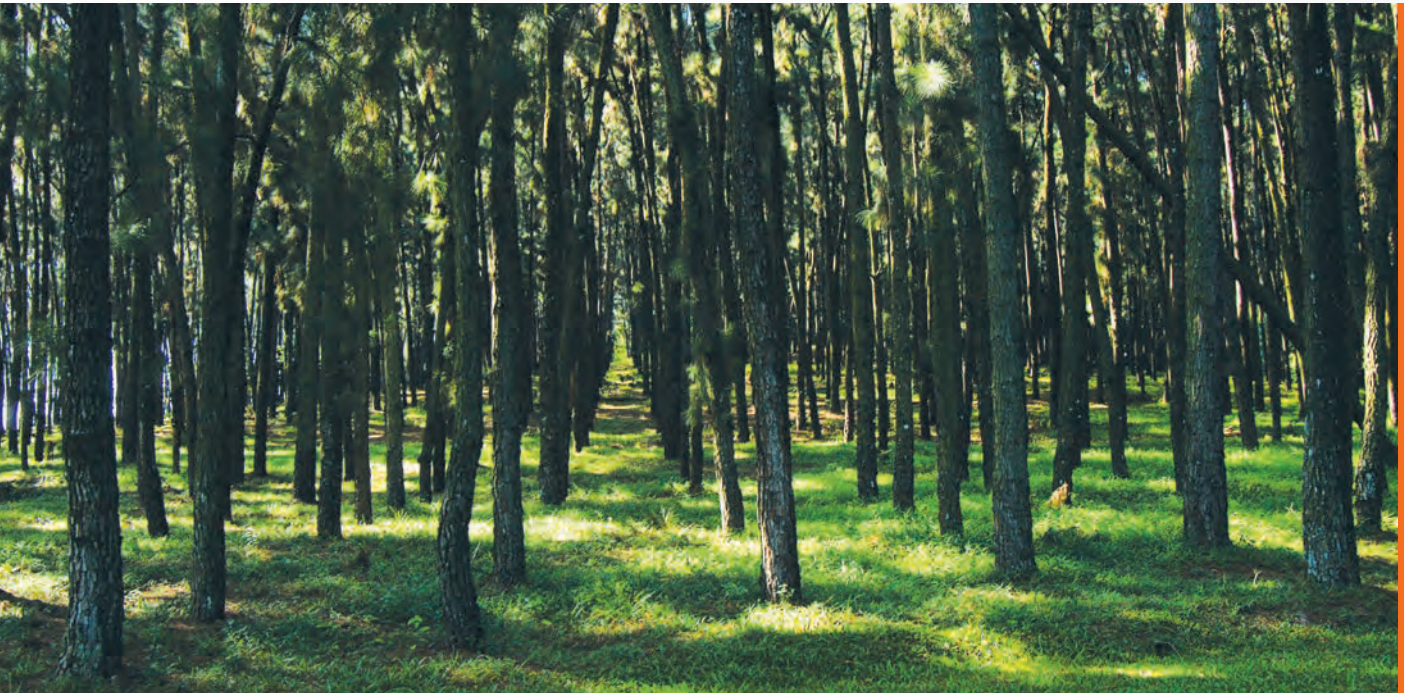
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FOREST PRODUCTS AIMS TO SPEARHEAD THE UTILISATION OF TROPICAL PLANT BIOFIBRES THROUGH EFFICIENT AND SUSTAINABLE BIORESOURCE SCREENING AND PRODUCTION, PROCESSING TECHNOLOGY, PRODUCT DEVELOPMENT AND END USE APPLICATION. SUPPORTED WITH A POOL OF EXPERTS 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.

FIELD OF STUDIES

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

RESEARCH PROGRAMMES

- Pulp and Paper, and Pollution Control
- Biopolymer and Derivatives
- Fibre Characterisation and Processing Technology

- Biocomposite Technology and Design
- Tropical Rainforest Ecosystem Services
- Phytoresources, Selection and Plantation

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

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.
- Linked with 56 National and International bodies.



INSTITUTE OF SOCIAL SCIENCES STUDIES (IPSAS)

DEDICATED TO THE STUDY OF SOCIO-ECONOMIC ISSUES, THE INSTITUTE FOR SOCIAL SCIENCE STUDIES (IPSAS) MAKES MEANINGFUL CONTRIBUTION TO THE NATION AND POLICY MAKERS THROUGH RESEARCH FINDINGS AND RECOMMENDATIONS. IPSAS'S ORGANISATIONAL STRUCTURE INCLUDES HEADS OF LABORATORIES WHO ARE RESPONSIBLE FOR MANNING THE RESEARCH AND GRADUATE STUDIES ACTIVITIES WITHIN THE 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

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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 CREATE A CONDUCIVE ACADEMIC ENVIRONMENT AS WELL AS THE PROMOTION OF LINKAGES AND NETWORKS AMONG INTELLECTUALS, PHILOSOPHERS AND THE COMMUNITIES.

As a social science research-based institute and multidisplinary in its approach, ipsas focusses on youth development and leadership, ict and social communication, and community development. Ipsas also collaborates with local government agencies, non-governmental organisations, including universities in research activities, consultation and seminar in local and international arena.

Ipsas also offers graduate studies programmes at the master and doctor of philosophy (phd) levels in the fields of community education and development, youth studies, rural advancement and leadership studies. postgraduate students at ipsas are from various professions, local and international.



*photos credit to Dr. Hayrol Azril Mohamed Shaffril, UPM's Social Research Officer"



INSTITUTE OF TROPICAL AGRICULTURE AND FOOD SECURITY (ITAFoS)

THE INSTITUTE OF TROPICAL AGRICULTURE AND FOOD SECURITY (ITAFoS) IS A FOCAL POINT FOR IMPACTFUL MULTIDISCIPLINARY RESEARCH TO ACHIEVE FOOD SECURITY. THE INSTITUTE HAS MADE SIGNIFICANT CONTRIBUTIONS IN TERMS OF HIGH QUALITY RESEARCH OUTPUTS AND HAS BEEN DECLARED AS A HIGHER INSTITUTION CENTRE OF EXCELLENCE (HICoE) BY THE MALAYSIAN MINISTRY OF EDUCATION IN 2017 MAKING ITAFoS A DESTINATION OF CHOICE FOR HIGHLY TALENTED RESEARCHERS, ACADEMICS AND POSTGRADUATE STUDENTS IN TROPICAL AGRICULTURE RESEARCH.

RESEARCHERS 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.

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ITAFoS IS CARVING A NAME FOR ITSELF AS AN INTERNATIONALLY RECOGNISED RESEARCH CENTRE OF EXCELLENCE IN TROPICAL AGRICULTURE. THE INSTITUTE HAS BEEN AWARDED TWO LONG-TERM RESEARCH GRANT SCHEME (LRGS) PROJECTS BY THE MINISTRY OF EDUCATION, MALAYSIA AMOUNTING TO RM 21,683,532 TO UNDERTAKE RESEARCH ON ENHANCING SUSTAINABLE PRODUCTION OF RICE AND POULTRY FEED IN MALAYSIA.

THE INSTITUTE HAS A WIDE ARRAY OF MODERN RESEARCH FACILITIES WHICH INCLUDED CROP BREEDING AND GREENHOUSES, MOLECULAR LABORATORY, POULTRY AND RUMINANT RESEARCH FARM INCLUDING FEED MILL, SUPERCRITICAL FLUID EXTRACTOR AND TEMPERATURE CONTROL CHAMBERS FOR ANIMAL STUDIES. THE FACILITIES ARE USED TO ADDRESS BOTH APPLIED AND FUNDAMENTAL PROBLEMS RELATED TO CROP AND ANIMAL PRODUCTION, AND FOOD SAFETY.

LABORATORIES

- Laboratory of Climate-smart Food Crop Production
- Laboratory of Sustainable Animal Production and Biodiversity
- Laboratory of Food Safety and Food Integrity

RESEARCH PROGRAMMES

- A. Laboratory of Climate-smart Food Crop Production
 - 1) Improvement and Sustainable Rice Production for Food Security
 - 2) Production of High Value Vegetables under Protected Cultivation in Tropics
- B. Laboratory of Sustainable Animal Production and Biodiversity
 - 1) Strategic Feed Technology and Nutrigenomics
 - 2) Sustainable Animal Production through Enhanced Environmental and Welfare Management Practices
- C. Laboratory of Food Safety and Food Integrity
 - 1) Improvement of safety, quality and authenticity of food and feed for sustainable development

- 2) Development of methods and strategies for the detection of adulteration and production of safe foods

FIELD OF STUDIES

- Agronomy
- Agriculture Technology
- 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 Genetics Engineering
- Pest Management
- Plant Biotechnology
- Plant Pathology
- Plant Physiology
- Post-harvest Technology
- Soil Science
- Weed Science



INSTITUTE OF PLANTATION STUDIES (IKP)

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 EMPHASISES ON MULTIDISCIPLINARY LEADING-EDGE RESEARCH ENCOMPASSING

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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 ORGANISATION 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 AND 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 AND TECHNOLOGY LABORATORY

The laboratory focusses 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.





INTERNATIONAL INSTITUTE OF AQUACULTURE AND AQUATIC SCIENCES (I-AQUAS)

THE INTERNATIONAL INSTITUTE OF AQUACULTURE AND AQUATIC SCIENCES (I-AQUAS) IS THE NEWEST RESEARCH INSTITUTE (DECEMBER 2017) FORMED IN UPM OFFERING A RESEARCH PLATFORM ON WIDE RANGE OF DISCIPLINES PERTAINING TO AQUACULTURE AND AQUATIC SCIENCES. THE INSTITUTE HAS TWO RESEARCH LABORATORIES THAT ARE EQUIPPED WITH RESEARCH FACILITIES INCLUDING A MARINE AND FRESHWATER HATCHERIES FOR RESEARCHERS TO PURSUE THEIR INTEREST IN TROPICAL AQUACULTURE AND ECOSYSTEM MANAGEMENT RESEARCH. AT PRESENT THE INSTITUTE ACCOMMODATES 12 SCIENTISTS MAINLY IN THE SUBJECT AREAS OF AQUACULTURE AND AQUATIC SCIENCES.

I-AQUAS RESEARCH NICHE IS AQUACULTURE AND AQUATIC SCIENCE WITH A SPECIFIC FOCUS ON THE HATCHERY PRODUCTION OF COMMERCIALY IMPORTANT FINFISH,

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CRUSTACEAN AND MOLLUSK AND ECOSYSTEM MANAGEMENT OF BOTH MARINE AND FRESHWATER SYSTEMS. OUR AQUACULTURE INTERDISCIPLINARY RESEARCH STRENGTH ENCOMPASSES GENETIC SELECTION AND SELECTIVE BREEDING, FISH NUTRITION AND FEED TECHNOLOGY, ALTERNATIVE SOURCES OF DIETARY PROTEIN, BIOFLOC TECHNOLOGY, PROBIOTICS AND PREBIOTICS, FORMULATED FEED ALTERNATIVES TO ARTEMIA AND LIVE FOODS DEVELOPMENT. LIKEWISE, OUR STRENGTH IN AQUATIC SCIENCES ALLOWS US TO UNDERTAKE RESEARCH AND PROVIDES ADVISORY SERVICES IN WETLANDS MANAGEMENT PARTICULARLY SEAGRASS AND MANGROVE ECOSYSTEMS

I-AQUAS DESPITE ITS NEW ESTABLISHMENT STATUS HAS A LONG PERIOD OF COLLABORATIVE RESEARCH WITH INTERNATIONAL PARTNERS SUCH AS JSPS, JICA AND GHENT UNIVERSITY THROUGH ITS PREVIOUS COMAS SET UP. THESE NETWORKING AND RESEARCH PARTNERSHIP HAVE ENABLED US TO GREATLY ENHANCE OUR RESEARCH CAPABILITIES AND AT THE SAME TIME PORTRAYING I-AQUAS AS ONE OF THE BIG PLAYER IN AQUACULTURE AND AQUATIC SCIENCES RESEARCH INSTITUTE IN THE REGION. OUR LINKAGES WITH INTERNATIONAL AGENCIES INDUSTRY HAVE ALSO BENEFITED US IN TERM RESEARCH GRANT ACQUISITION AND TECHNICAL ASSISTANCE. BEING A NEW INSTITUTE, WE ASPIRE TO BE AN INTERNATIONAL INSTITUTE THAT PURSUES EXCELLENCE AND EMBRACES AND LEVERAGES DIVERSITY IN ALL OF ITS FORMS.

LABORATORIES

- Laboratory of Sustainable Aquaculture
- Laboratory of Aquatic Ecosystem and Management

RESEARCH PROGRAMMES

- Breeding and Genetic Selection
- Fish and Shellfish Nutrition
- Sustainable Aquaculture Production Systems



- Larval and Post Larval Culture
- Live Food Culture
- Biofilm Development and Quorum Sensing
- Biodiversity, Ecosystem Management and Conservation
- Aquatic Pollution and Ecotoxicology
- Seaweed, Seagrass Biology and Ecology

FIELD OF STUDIES

- Aquatic Ecology and Biodiversity
- Aquaculture Biotechnology
- Fish Nutrition and Feed Technology
- Aquatic Microbial Ecology
- Fish Genetic and Breeding
- Sustainable Aquaculture
- Aquatic Pollution and Ecotoxicology
- Environmental Chemistry

ACHIEVEMENTS

Being a newly established institute, we are still gathering our needed resources and manpower to move forward progressively in realising our goal to be an international institute with excellent achievement in research, and publication. For the next 3 years (2019 – 2022), our researchers have managed to secure RM 4.0 million

international research funding and in addition, we have at this juncture also accumulated more than RM 1.5 million of local research grants to fund our research activities.



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 CONTINUOUS 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.

- Coordinate and manage income generation and help increase funding for scholarship and students' financial assistance.
- 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 21 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, golf 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'. Student's gains confidence, which enhances their career options and interfacing with potential employers.

HOMECOMING AND 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 acquaintance to strengthen friendships among alumni and alma mater. It is also seen as the platform for alumni to share memories they have experiences together with course mates, lecturers, and new alumni. The Homecoming 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. The 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, Padang, Medan and Riau; Alumni Chapter Mauritius and Alumni Chapter Iran.

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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