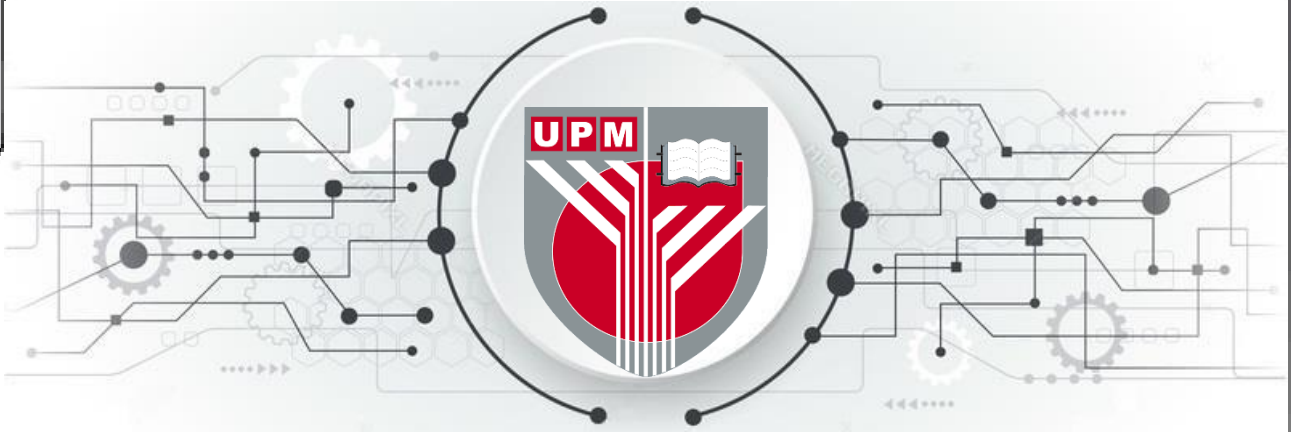


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**UNIVERSITI PUTRA MALAYSIA**  
PUSAT ASASI SAINS PERTANIAN  
CENTRE OF FOUNDATION STUDIES FOR AGRICULTURAL SCIENCES

**BUKU PANDUAN AKADEMIK  
PROGRAM ASASI SAINS  
PERTANIAN**

**SESI 2023/2024**

## **PUSAT ASASI SAINS PERTANIAN**

Pusat Asasi Sains Pertanian (PASP) ditubuhkan pada 1 Jun 2005 bagi melaksanakan Program Asasi Sains Pertanian untuk melahirkan pelajar yang cemerlang, yang mempunyai asas dan minat yang mendalam dalam bidang pertanian dan agri-bio, untuk melanjutkan pengajian ke peringkat bachelors di Universiti Putra Malaysia (UPM).

## **VISI UPM**

Menjadi sebuah Universiti Bereputasi Antarabangsa.

## **MISI UPM**

Memberi sumbangan bermakna kepada pembentukan kekayaan dan pembangunan negara serta kemajuan manusia sejagat menerusi penerokaan dan penyebaran ilmu.

## **DASAR KUALITI UPM**

Staf Universiti Putra Malaysia beriltizam ke arah kecemerlangan melalui penerapan budaya kualiti dalam pengajaran dan pembelajaran, penyelidikan dan perkhidmatan sokongan untuk memenuhi ekspektasi pelanggan.

## **OBJEKTIF PROGRAM**

Program ini ditawarkan bertujuan menyediakan pelajar yang mempunyai asas dan minat yang mendalam dalam bidang pertanian dan sains seterusnya berkecenderungan tinggi untuk meneruskan pengajian dalam bidang yang sama di peringkat bachelors. Dengan penawaran Program Asasi Sains Pertanian ini, UPM mempunyai peluang untuk melatih pelajar supaya lebih berminat untuk mengikuti program bachelors dalam bidang pertanian serta bidang-bidang lain yang berasaskan sains.

## **STRUKTUR PEMBELAJARAN**

Sukatan pelajaran Program Asasi Sains Pertanian Universiti Putra Malaysia digubal berpandukan kepada sukatan pelajaran sains asasi institusi pengajian tinggi tempatan dan luar negara, matrikulasi dan sukatan pelajaran bagi STPM. Pelajar perlu mengikuti program pengajian **selama setahun (dua semester)** dengan mengambil sebanyak 56 jam kredit yang merangkumi kursus teras Biologi/Sains Kehidupan, Kimia, Fizik dan Matematik serta kursus Pertanian dan Bahasa Inggeris. Setiap semester pelajar akan mengambil enam (6) kursus dan setiap pelajar **WAJIB LULUS** semua kursus yang disediakan sepanjang pengajian. Program yang ditawarkan ini akan dapat memberi

asas pembelajaran yang kukuh kepada pelajar bagi mengikuti pembelajaran, terutamanya dalam bidang berasaskan pertanian dan sains di peringkat yang lebih tinggi.

## **SISTEM AKADEMIK**

- Program pengajian dijalankan mengikut sistem semester dan aktiviti akademik termasuk kuliah akan bermula pada hari pertama semester bermula.
- PASP menyediakan jadual waktu kuliah dengan mengambil kira kapasiti ruang bilik kuliah dan makmal yang ada dan jumlah pelajar bagi setiap kumpulan kuliah adalah tidak melebihi 50 orang.
- Setiap pensyarah, atau penyelarass kursus akan menyediakan dan mengedarkan rangka kursus berserta maklumat tarikh ujian dan peperiksaan akhir yang akan dijalankan sepanjang semester kepada pelajar pada hari pertama kuliah diadakan.
- Pelajar baharu dibenarkan membuat pendaftaran kursus mulai hari pertama Minggu Putra Perkasa sehingga hari terakhir minggu kedua semester bermula tanpa bayaran denda.
- Pelajar adalah diingatkan untuk mendaftar secara berterusan. Mana-mana pelajar yang didapati gagal mendaftar secara berterusan akan terhenti daripada menjadi pelajar dan namanya akan terdugur daripada senarai daftar pelajar.
- Seseorang pelajar yang telah mendaftar kursus hendaklah hadir ke kuliah bagi kursus itu mengikut masa yang telah ditetapkan di dalam Jadual Waktu Kuliah.
- Pelajar hendaklah memastikan bahawa kehadiran bagi setiap kursus yang didaftar tidak kurang daripada 80 peratus jumlah keseluruhan. Pelajar yang didapati kurang daripada 80 peratus kehadiran adalah tidak dibenarkan untuk menduduki peperiksaan akhir. Perkara ini adalah terkecuali bagi pelajar yang mempunyai masalah kesihatan dan laporan kesihatan perlu disahkan oleh pegawai perubatan atau hospital.
- Pelajar hendaklah sentiasa berpakaian kemas dan sopan semasa berada di Universiti dan semasa menghadiri kuliah.
- Pelajar **WAJIB LULUS** semua kursus bagi membolehkannya meneruskan pengajian di peringkat bachelors.

## SISTEM PENASIHATAN AKADEMIK

- Pusat Asasi Sains Pertanian melaksanakan Sistem Penasihat Akademik Universiti yang juga dikenali sebagai Sistem Penasihat Pelajar. Penasihat Akademik (PA) terdiri daripada pensyarah di PASP.
- Matlamat dan objektif Sistem PA adalah berperanan sebagai sistem sokongan untuk membantu pelajar seperti membincangkan masalah pelajar serta mendapatkan bantuan dan nasihat serta merapatkan perhubungan di antara pelajar dengan pensyarah.
- Penasihat Akademik adalah seseorang yang arif tentang kurikulum pengajian di PASP dan bertanggungjawab dalam perkara berikut:
  - a) menasihati pelajar berkaitan pendaftaran kursus dan membantu pelajar memahami kurikulum, sistem semester, sistem pendaftaran dan sistem peperiksaan,
  - b) memberikan nasihat untuk membantu menangani masalah akademik pelajar,
  - c) membantu pelajar menyelesaikan masalah selain akademik, dan jika perlu merujuk perkara tersebut pada pihak tertentu,
  - d) merancang, mengadakan dan memantau aktiviti yang melibatkan semua pelajar di bawah penasihatannya,
  - e) menasihati pelajar supaya mendaftar kursus berpandukan kurikulum program pengajian yang diikuti oleh mereka dan
  - f) memantau kemajuan prestasi secara “online” dan menasihati pelajar dengan sewajarnya
- Walau apa pun tanggungjawab dan tugas Penasihat Akademik, tanggungan bagi pendaftaran kursus terletak pada pelajar.
- Setiap pelajar diwajibkan berjumpa dengan Penasihat Akademik sekurang-kurangnya **dua (2) kali** dalam setiap semester.

## PEPERIKSAAN

Setiap pelajar akan mendapat keputusan keseluruhan setelah mendapat pengesahan daripada kelulusan Senat.

Skema pemarkahan, gred abjad dan mata nilai adalah seperti yang disenaraikan di bawah:

Markah	Gred	Mata nilai
80 – 100	A	4.000
75 – 79	A-	3.750
70 – 74	B+	3.500
65 – 69	B	3.000
60 – 64	B-	2.750
55 – 59	C+	2.500
50 – 54	C	2.000
47 – 49	C-	1.750
44 – 46	D+	1.500
40 – 43	D	1.000
39 atau kurang	F	0

## PURATA NILAIAN GRED KESELURUHAN (PNGK)

### Pengiraan Mata Kekurangan

1. Mata kekurangan hendaklah dikira seperti berikut :-

$$\text{Mata Kekurangan} = 2 (\text{Jumlah timbunan jam kredit yang diambil}) - (\text{jumlah timbunan mata nilai yang diperoleh}).$$

2. Purata Nilai Gred hendaklah dikira seperti berikut:-

$$\text{Purata Nilai Gred} = \frac{\text{Jumlah besar mata nilai gred}}{\text{Jumlah besar jam kredit}}$$

$$\text{Purata Nilai Gred Keseluruhan (PNGK)} = \frac{\text{Jumlah Mata Nilai Keseluruhan}}{\text{Jumlah Jam Kredit Keseluruhan}}$$

## STRUKTUR KURIKULUM

Sukatan pelajaran program Asasi Sains Pertanian Universiti Putra Malaysia digubal berpandukan kepada sukatan pelajaran matrikulasi/sains asasi institusi-institusi pengajian tinggi tempatan dan sukatan pelajaran bagi STPM. Pelajar perlu mengikuti program pengajian selama dua semester dengan mengambil sebanyak 56 jam kredit yang merangkumi kursus Biologi, Kimia, Fizik dan Matematik, Pertanian dan Bahasa Inggeris. Skema pengajian bagi Program Asasi Sains Pertanian adalah seperti di bawah:

### Semester 1

Kod	Nama Kursus	Kredit
	<b>Kursus Umum</b>	
LPE1101	Foundation English	3(3+0)
	<b>Kursus Teras</b>	
ASA0104	Industri Pertanian dan Makanan	5(4+1)
*ASB0204 <b>ATAU</b> **ASB0206	Biologi I <b>ATAU</b> Sains Kehidupan I	5(4+1)
ASC0304	Kimia I	5(4+1)
ASM0404	Matematik I	5(5+0)
ASP0504	Fizik I	5(4+1)
	Jumlah	28

### Semester 2

Kod	Nama Kursus	Kredit
	<b>Kursus Umum</b>	
LPE1102	Academic English Skills	3(3+0)
	<b>Kursus Teras</b>	
ASA0105	Keusahawanan dan Pemasaran Produk Pertanian	5(4+1)
*ASB0205 <b>ATAU</b> **ASB0207	Biologi II <b>ATAU</b> Sains Kehidupan II	5(4+1)
ASC0305	Kimia II	5(4+1)
ASM0405	Matematik II	5(5+0)
ASP0505	Fizik II	5(4+1)
	Jumlah	28

\* Pelajar mengambil mata pelajaran Biologi di peringkat SPM

\*\* Pelajar tidak mengambil mata pelajaran Biologi di peringkat SPM

## SINOPSIS KURSUS

**1. ASA0104      INDUSTRI PERTANIAN DAN MAKANAN  
(Agriculture and Food Industry)**

**Kredit            5(4+1)**

Kursus ini merangkumi kepentingan industri pertanian sebagai sumber makanan dan bahan mentah dengan memberi fokus kepada pelbagai teknik asas pertanian. Kepelbagaian produk makanan juga ditekankan.

*This course covers the importance of the agricultural industry as a source of food and raw materials focusing on the various basic agricultural production techniques. Diversification of food products is emphasized.*

**2. ASA0105      KEUSAHAWANAN DAN PEMASARAN PRODUK PERTANIAN  
(Entrepreneurship and Marketing of Agricultural Products)**

**Kredit            5(4+1)**

Kursus ini merangkumi pengenalan kepada konsep keusahawanan yang meliputi pengurusan dan pemasaran produk pertanian. Konsep asas ekonomi juga turut ditekankan sebagai persediaan dalam melahirkan agropreneur yang berjaya

*This course consists of an introduction to the concept of entrepreneurship which covers the management and marketing of agricultural products. The basic concept of economics is also emphasised as a preparation in producing successful agropreneurs*

**3. ASB0204      BIOLOGI I  
(Biology I)**

**Kredit            5(4+1)**

Kursus ini merangkumi pengenalan kepada struktur dan fungsi asas biologi sel dalam tumbuhan dan haiwan. Konsep asas kepelbagaian organisma dan ekologi turut dibincangkan.

*This course encompasses the introduction to basic structure and function of biology cell in plants and animals. Basic concepts of organisms' diversity and ecology are also discussed*

**4. ASB0205 BIOLOGI II  
(Biology II)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas genetik dalam pewarisan. Asas fisiologi haiwan dan tumbuhan turut dibincangkan

*This course encompasses basic concepts of genetics and inheritance. Basic physiology of animal and plant are also discussed*

**5. ASB0206 SAINS KEHIDUPAN I  
(Life Science I)**

**Kredit 5(4+1)**

Kursus ini merangkumi pengenalan kepada asas sains kehidupan. Kepentingan sains kehidupan ditekankan. Pengendalian eksperimen berkaitan sains kehidupan dipraktikkan.

*This course encompasses introduction to basics life science. The importance of life science is emphasized. Conducting basic experiments related to life science is also practiced*

**6. ASB0207 SAINS KEHIDUPAN II  
(Life Science II)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas pewarisan dalam kehidupan. Asas fisiologi haiwan dan tumbuhan turut dibincangkan.

*This course encompasses basic concepts of inheritance in life. Basic physiology of animals and plants are also discussed.*



**7. ASC0304 KIMIA I  
(Chemistry I)**

**Kredit 5(4+1)**

Kursus ini merangkumi kimia tak organik, termokimia dan elektrokimia. Hukum-hukum asas dan kegunaan beberapa unsur kimia penting dalam industri ditekankan.

*This course encompasses inorganic chemistry, thermochemistry, and electrochemistry. Fundamental laws and the applications of several important chemical elements in industry are emphasized.*

**8. ASC0304 KIMIA II  
(Chemistry II)**

**Kredit 5(4+1)**

Kursus ini merangkumi kinetik kimia, keseimbangan kimia dan kimia organik. Hukum-hukum asas berserta jenis dan hasil tindak balas kimia organik adalah ditekankan

*This course encompasses chemical kinetics, chemical equilibrium and organic chemistry. Fundamental laws, along with the types and products of organic chemical reactions are emphasized.*

**9. ASM0404 MATEMATIK I  
(Mathematics I)**

**Kredit 5(5+0)**

Kursus ini merangkumi pengenalan kepada konsep asas aljabar termasuk fungsi dan pembezaan. Aplikasi konsep aljabar, fungsi dan pembezaan dalam penyelesaian masalah ditekankan.

*This course encompasses elementary concepts of algebra which include function and differentiation. The application of concepts of algebra, functions and differentiations in problem solving are emphasized*

**10. ASM0405 MATEMATIK II  
(Mathematics II)**

**Kredit 5(5+0)**

Kursus ini merangkumi konsep asas geometri, kamiran, dan statistik. Persamaan pembezaan dan kaedah berangka juga diperkenalkan. Aplikasi konsep kamiran dan statistik dalam menyelesaikan masalah dengan bantuan aplikasi teknologi digital ditekankan.

*This course encompasses elementary concepts of geometry, integrals, and statistics. Differential equations and numerical methods are also introduced. The application of the concepts of integration and statistics in problem solving with the help of digital technology applications is emphasized.*

**11. ASP0504 FIZIK I  
(Physics I)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas fizik yang berkaitan dengan mekanik dan gelombang. Aplikasi konsep dan teori dalam permasalahan mekanik dan gelombang ditekankan.

*This course encompasses the fundamental concept in physics related to mechanics and waves. Applications of theories and concepts on problems related to mechanics and waves are emphasized.*

**12. ASP0505 FIZIK II  
(Physics II)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas haba, elektromagnet dan fizik moden. Aplikasi konsep dan teori dalam permasalahan haba, elektromagnet dan fizik moden diberi penekanan.

*This course encompasses the fundamental concepts in physics related to heat, electromagnets and modern physics. Applications of the theories and concepts on problems related to heat, electromagnets and modern physics are emphasized.*

**13. LPE1101 FOUNDATION ENGLISH**  
***Bahasa Inggeris Asas***

**Kredit 3(3+0)**

This course covers the listening, reading, speaking, and writing skills in English to attain functional levels of the language. Students' abilities to comprehend various texts, to use appropriate language expressions and grammar, and to communicate ideas clearly in discussions are also emphasised.

*Kursus ini merangkumi kemahiran mendengar, membaca, bertutur dan menulis dalam bahasa Inggeris pada tahap fungsional. Keupayaan penggunaan ungkapan bahasa dan tatabahasa yang sesuai dan penyampaian idea dengan jelas dalam perbincangan turut dititikberatkan.*

**14. LPE1102 ACADEMIC ENGLISH SKILLS**  
***Kemahiran Bahasa Inggeris Akademik***

**Kredit 3(3+0)**

This course covers the use of English in an academic context. Developing essential skills for gathering relevant information from various sources and presenting information using effective and accurate language is emphasised.

*Kursus ini merangkumi penggunaan bahasa Inggeris dalam konteks akademik kepada pelajar. Pembinaan kemahiran asas untuk memperoleh maklumat yang relevan daripada pelbagai sumber dan pembentangan maklumat dengan menggunakan bahasa yang tepat dan berkesan turut dititikberatkan.*

## TAWARAN PROGRAM DI PERINGKAT BACELOR

Lepasan Program Asasi Sains Pertanian boleh mengikuti salah satu daripada program di peringkat baceelor di UPM seperti berikut:

BIL / KOD PROGRAM	FAKULTI / SEKOLAH / PUSAT / PROGRAM	Mata Pelajaran Sains Peringkat SPM	
		Pelajar ambil mata pelajaran Biologi peringkat SPM	Pelajar TIDAK ambil mata pelajaran Biologi peringkat SPM
		Kursus Keseluruhan Peringkat Asasi (Rujuk Skema Pengajian)	
<b>1</b>	<b>FAKULTI PERTANIAN</b>		
UP6620001	Bachelor Teknologi Pertanian Pintar dengan Kepujian #	/	/
UP6621001	Bachelor Sains Pertanian dengan Kejujian #	/	X
UP6621002	Bachelor Sains Pengurusan Perladangan dengan Kejujian #	/	/
UP6621004	Bachelor Pertanian Sains Haiwan dengan Kejujian	/	X
UP6621005	Bachelor Sains Perniagaantani dengan Kejujian	/	/
UP6622001	Bachelor Sains Hortikultur dengan Kejujian	/	/
UP6624001	Bachelor Sains Akuakultur dengan Kejujian	/	X
<b>2</b>	<b>FAKULTI PERHUTANAN DAN ALAM SEKITAR</b>		
UP6345007	Bachelor Pengurusan Alam Sekitar dengan Kejujian	/	/
UP6422001	Bachelor Sains dan Teknologi Alam Sekitar dengan Kejujian	/	/
UP6623001	Bachelor Sains Perhutanan dengan Kejujian	/	/
UP6623003	Bachelor Sains dan Teknologi Kayu dengan Kejujian	/	/
UP6812001	Bachelor Sains Taman dan Rekreasi dengan Kejujian	/	/
<b>3</b>	<b>FAKULTI PERUBATAN VETERINAR</b>		
UP6640001	Doktor Perubatan Veterinar #	/	X
<b>4</b>	<b>SEKOLAH PERNIAGAAN DAN EKONOMI</b>		
UP6314001	Bachelor Ekonomi dengan Kejujian	/	/
UP6344001	Bachelor Perakaunan (Kejujian)	/	/
UP6345001	Bachelor Pentadbiran Perniagaan dengan Kejujian	/	/
<b>5</b>	<b>FAKULTI KEJURUTERAAN</b>		
UP6521001	Bachelor Kejuruteraan Mekanikal dengan Kejujian	/	/
UP6523001	Bachelor Kejuruteraan Elektrik dan Elektronik dengan Kejujian	/	/
UP6523002	Bachelor Kejuruteraan Sistem Komputer dan Komunikasi dengan Kejujian	/	/
UP6524001	Bachelor Kejuruteraan Kimia dengan Kejujian	/	/
UP6524002	Bachelor Kejuruteraan Pertanian dan Biosistem dengan Kejujian	/	/
UP6525001	Bachelor Kejuruteraan Aeroangkasa dengan Kejujian	/	/
UP6526001	Bachelor Kejuruteraan Awam dengan Kejujian	/	/
UP6541004	Bachelor Kejuruteraan Proses dan Makanan dengan Kejujian	/	/
<b>6</b>	<b>FAKULTI PENGAJIAN PENDIDIKAN</b>		

BIL / KOD PROGRAM	FAKULTI / SEKOLAH / PUSAT / PROGRAM	Mata Pelajaran Sains Peringkat SPM	
		Pelajar ambil mata pelajaran Biologi peringkat SPM	Pelajar TIDAK ambil mata pelajaran Biologi peringkat SPM
		Kursus Keseluruhan Peringkat Asasi (Rujuk Skema Pengajian)	
UP6145001	Bachelor Pendidikan dalam Pendidikan Jasmani dengan Keupujian #	/	/
UP6145002	Bachelor Pendidikan Bimbingan dan Kaunseling dengan Keupujian #	/	/
UP6145003	Bachelor Pendidikan Bahasa Melayu dengan Keupujian	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6145004	Bachelor Pendidikan Pengajaran Bahasa Inggeris Sebagai Bahasa Kedua dengan Keupujian #	/	/
UP6145005	Bachelor Pendidikan Sains Rumah Tangga dengan Keupujian #	/	X
UP6145006	Bachelor Pendidikan Sains Pertanian dengan Keupujian #	/	X
UP6345002	Bachelor Sains Pembangunan Sumber Manusia dengan Keupujian	/	/
UP6762001	Bachelor Kaunseling dengan Keupujian #	/	/
<b>7</b>	<b>FAKULTI SAINS</b>		
UP6142001	Bachelor Sains Biologi dengan Pendidikan (Keupujian) #	/	X
UP6142002	Bachelor Sains Fizik dengan Pendidikan (Keupujian) #	/	/
UP6142003	Bachelor Sains Kimia dengan Pendidikan (Keupujian) #	/	/
UP6142004	Bachelor Sains Matematik dengan Pendidikan (Keupujian) #	/	/
UP6421002	Bachelor Sains Biologi dengan Keupujian	/	X
UP6440001	Bachelor Sains dalam Sains Bahan dengan Keupujian	/	/
UP6440002	Bachelor Sains dalam Sains Instrumentasi dengan Keupujian	/	/
UP6441001	Bachelor Sains Fizik dengan Keupujian	/	/
UP6442001	Bachelor Sains Kimia dengan Keupujian	/	/
UP6442002	Bachelor Sains Kimia Perindustrian dengan Keupujian	/	/
UP6442003	Bachelor Sains Kimia Petroleum dengan Keupujian	/	/
UP6461001	Bachelor Sains Matematik dengan Keupujian	/	/
UP6462001	Bachelor Sains Statistik dengan Keupujian	/	/
<b>8</b>	<b>FAKULTI SAINS DAN TEKNOLOGI MAKANAN</b>		
UP6541001	Bachelor Sains dan Teknologi Makanan dengan Keupujian	/	/
UP6541002	Bachelor Sains Pengajian Makanan dengan Keupujian	/	/
UP6541003	Bachelor Sains Pengurusan Perkhidmatan Makanan dengan Keupujian	/	/
UP6541005	Bachelor Sains Operasi Pembuatan Makanan dengan Keupujian	/	/
<b>9</b>	<b>FAKULTI EKOLOGI MANUSIA</b>		
UP6212001	Bachelor Muzik dengan Keupujian #	/	/
UP6312001	Bachelor Sains Pembangunan Manusia dengan Keupujian	/	/
UP6345003	Bachelor Pengajian Pengguna dengan Keupujian	/	/

BIL / KOD PROGRAM	FAKULTI / SEKOLAH / PUSAT / PROGRAM	Mata Pelajaran Sains Peringkat SPM	
		Pelajar ambil mata pelajaran Biologi peringkat SPM	Pelajar TIDAK ambil mata pelajaran Biologi peringkat SPM
		Kursus Keseluruhan Peringkat Asasi (Rujuk Skema Pengajian)	
UP6345004	Bachelor Sains Pembangunan Manusia dengan Pengurusan (Kepujian)	/	/
UP6345005	Bachelor Sains Pembangunan Manusia dengan Teknologi Maklumat (Kepujian)	/	/
<b>10</b>	<b>FAKULTI BAHASA MODEN DAN KOMUNIKASI</b>		
UP6222001	Bachelor Sastera Bahasa dan Linguistik Melayu dengan Kepujian	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6223001	Bachelor Sastera Kesusasteraan Melayu dengan Kepujian	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6224001	Bachelor Sastera Bahasa dan Linguistik Inggeris dengan Kepujian	/	/
UP6224002	Bachelor Sastera Pengajian Bahasa Cina dengan Kepujian #	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6224003	Bachelor Sastera Bahasa Arab dengan Kepujian	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6224004	Bachelor Sastera Kesusasteraan Inggeris dengan Kepujian	/	/
UP6224005	Bachelor Sastera Pengajian Bahasa Perancis dengan Kepujian	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6224006	Bachelor Sastera Pengajian Bahasa Jerman dengan Kepujian	Program Tidak Ditawarkan Untuk Lulusan Asasi	
UP6321001	Bachelor Komunikasi dengan Kepujian	/	/
<b>11</b>	<b>FAKULTI PERUBATAN DAN SAINS KESIHATAN</b>		
UP6421001	Bachelor Sains Bioperubatan dengan Kepujian	/	X
UP6721001	Doktor Perubatan #	/	X
UP6723001	Bachelor Kejururawatan dengan Kepujian #	/	X
UP6726001	Bachelor Sains Dietetik dengan Kepujian #	/	X
UP6726002	Bachelor Sains Pemakanan dan Kesihatan Komuniti dengan Kepujian	/	X
UP6862001	Bachelor Sains Kesihatan Persekitaran dan Pekerjaan dengan Kepujian	/	X
<b>12</b>	<b>FAKULTI REKABENTUK DAN SENIBINA</b>		
UP6214001	Bachelor Reka Bentuk Perindustrian dengan Kepujian #	/	/
UP6581001	Bachelor Seni Bina Landskap dengan Kepujian #	/	/
UP6581002	Bachelor Sains Seni Bina dengan Kepujian #	/	/
<b>13</b>	<b>FAKULTI SAINS KOMPUTER DAN TEKNOLOGI MAKLUMAT</b>		
UP6481001	Bachelor Sains Komputer dengan Kepujian	/	/
UP6481002	Bachelor Sains Komputer (Pengkomputeran Multimedia) dengan Kepujian	/	/
UP6481003	Bachelor Kejuruteraan Perisian dengan Kepujian	/	/
UP6481004	Bachelor Sains Komputer (Rangkaian Komputer) dengan Kepujian	/	/
<b>14</b>	<b>FAKULTI BIOTEKNOLOGI DAN SAINS BIOMOLEKUL</b>		
UP6421003	Bachelor Sains Biokimia dengan Kepujian	/	X
UP6421004	Bachelor Sains Mikrobiologi dengan Kepujian	/	X

BIL / KOD PROGRAM	FAKULTI / SEKOLAH / PUSAT / PROGRAM	Mata Pelajaran Sains Peringkat SPM	
		Pelajar ambil mata pelajaran Biologi peringkat SPM	Pelajar TIDAK ambil mata pelajaran Biologi peringkat SPM
		Kursus Keseluruhan Peringkat Asasi (Rujuk Skema Pengajian)	
UP6421005	Bachelor Sains Biologi Sel dan Molekul dengan Keptujian	/	X
UP6545001	Bachelor Sains Bioteknologi dengan Keptujian	/	X
<b>15A</b>	<b>FAKULTI SAINS PERTANIAN DAN PERHUTANAN, UPMKB</b>		
UP6621003	Bachelor Sains Bioindustri dengan Keptujian	/	X
UP6623002	Bachelor Sains Perhutanan dengan Keptujian	/	/
UP6624002	Bachelor Sains Akuakultur dengan Keptujian	/	X
<b>16A</b>	<b>FAKULTI KEMANUSIAAN, PENGURUSAN DAN SAINS, UPMKB</b>		
UP6345006	Bachelor Sains Pembangunan Manusia dengan Pengurusan (Keptujian)	/	/
UP6442004	Bachelor Sains Kimia Perindustrian dengan Keptujian	/	/
	<b>Jumlah program bachelor yang boleh dipilih</b>	<b>78</b>	<b>58</b>

# Program bertemu duga

Kemas kini maklumat berdasarkan syarat Kemasukan Program Bachelor Sesi Akademik 2023/2024

**UNIVERSITI PUTRA MALAYSIA**  
**Kalendar Akademik Sesi 2023-2024**  
**Asasi Sains Pertanian**  
**(2 Semester)**

**SEMESTER PERTAMA**

* Kuliah	31 Julai 2023	-	1 Okt. 2023	(9 minggu)
** <i>Penilaian 1</i>	11 Sept. 2023	-	24 Sept. 2023	(2 minggu)
*** Cuti Pertengahan Semester	2 Okt. 2023	-	8 Okt. 2023	(1 minggu)
Kuliah	9 Okt. 2023	-	10 Dis. 2023	(9 minggu)
~ <i>Penilaian 2</i>	6 Nov. 2023	-	19 Nov. 2023	(2 minggu)
Cuti Ulang Kaji	11 Dis. 2023	-	17 Dis. 2023	(1 minggu)
~~ Peperiksaan Akhir	18 Dis. 2023	-	24 Dis. 2023	(1 minggu)
# Cuti Antara Semester	25 Dis. 2023	-	14 Jan. 2024	(3 minggu)

**SEMESTER KEDUA**

## Kuliah	15 Jan. 2024	-	7 April 2024	(12 minggu)
### <i>Penilaian 1</i>	26 Feb. 2024	-	10 Mac 2024	(2 minggu)
@ Cuti Pertengahan Semester	8 April 2024	-	14 April 2024	(1 minggu)
Kuliah	15 April 2024	-	26 Mei 2024	(6 minggu)
@@ <i>Penilaian 2</i>	22 April 2024	-	5 Mei 2024	(2 minggu)
@@@ Cuti Ulang Kaji	27 Mei 2024	-	2 Jun 2024	(1 minggu)
% Peperiksaan Akhir	3 Jun 2024	-	16 Jun 2024	(2 minggu)

* Hari Kemerdekaan	- 31 Ogos 2023 (Khamis)
** Hari Malaysia	- 16 September 2023 (Sabtu)
*** Maulidur Rasul	- 28 September 2023 (Khamis)
~ Hari Deepavali	- 12 November 2023 (Ahad)
~~ Hari Keputeraan Sultan Selangor	- 11 Disember 2023 (Ahad)
# Hari Krismas	- 25 Disember 2023 (Isnin)
# Cuti Tahun Baru	- 01 Januari 2024 (Isnin)
## Thaipusam	- 25 Januari 2024 (Khamis)
## Israk dan Mikraj	- 7 Februari 2024 (Rabu)
## Cuti Tahun Baru Cina	- 10 & 11 Februari 2024 (Sabtu & Ahad)
@ Nuzul Quran	- 27 Mac 2024 (Rabu)
@ Hari Raya Eidulfitri	- 10 & 11 April 2024 (Rabu & Khamis)
@@ Hari Pekerja	- 01 Mei 2024 (Rabu)
@@@ Hari Keamatan	- 30 & 31 Mei 2024 (Khamis & Jumaat)
% Hari Keputeraan YDP Agong	- 03 Jun 2024 (Isnin)

(Minggu Kuliah tidak termasuk minggu Cuti Pertengahan Semester)



## EMAIL DAN LOKASI BILIK PENSYARAH

### BIDANG PERTANIAN

<b>Bil</b>	<b>Nama &amp; Email Pensyarah</b>	<b>Lokasi</b>
1	En. Azham Mohamad <a href="mailto:azham@upm.edu.my">azham@upm.edu.my</a>	Aras Bawah, Asasi 3
2	En. Muhd. Termidzi Abd. Jamal <a href="mailto:termidzijamal@upm.edu.my">termidzijamal@upm.edu.my</a>	Aras Bawah, Asasi 3
3	En. Mohamad Amirul Faez Sulaiman <a href="mailto:amirulfaez@upm.edu.my">amirulfaez@upm.edu.my</a>	Aras 1, Asasi 1
4	En. Mohamad Haidir Mohamed Noor <a href="mailto:mhaidir.mn@upm.edu.my">mhaidir.mn@upm.edu.my</a>	Aras 1, Asasi 1
5	Pn. Rafina Syhadilla Md. Rafi <a href="mailto:rafina@upm.edu.my">rafina@upm.edu.my</a>	Aras 1, Asasi 1
6	Pn. Noor Ashira Yusran <a href="mailto:ashira@upm.edu.my">ashira@upm.edu.my</a>	Aras 1, Asasi 1
7	Cik Ermelia Rohayu Ramlan <a href="mailto:ermeliarohayu@upm.edu.my">ermeliarohayu@upm.edu.my</a>	Aras Bawah, Asasi 3
8	Cik Amizatul Najeha Lukmanulhakim <a href="mailto:amizatulnajeha@upm.edu.my">amizatulnajeha@upm.edu.my</a>	Asasi 2

## BIDANG BIOLOGI

<b>Bil</b>	<b>Nama &amp; Email Pensyarah</b>	<b>Lokasi</b>
1	P.M. Dr. Marina Mohd. Top @ Mohd. Tah <a href="mailto:marinamohd@upm.edu.my">marinamohd@upm.edu.my</a>	Aras 1, Asasi 4
2	Dr. Ezyana Kamal Bahrin <a href="mailto:ezyana@upm.edu.my">ezyana@upm.edu.my</a>	Aras 2, Asasi 4
3	Dr. Nadiatul Hafiza Hassan <a href="mailto:nadiahafiza@upm.edu.my">nadiahafiza@upm.edu.my</a>	Aras 1, Asasi 1
4	Dr. Nor Hafizah Ahmad Kamarudin <a href="mailto:hafizah_kamar@upm.edu.my">hafizah_kamar@upm.edu.my</a>	Aras 2, Asasi 4
5	Dr. Nur Akmal Ishak <a href="mailto:nur_akmal@upm.edu.my">nur_akmal@upm.edu.my</a>	Aras 2, Asasi 4
6	Dr. Siti Nor Ani Azaman <a href="mailto:s_norani@upm.edu.my">s_norani@upm.edu.my</a>	Asasi 2
7	En. Azman Jali <a href="mailto:azman@upm.edu.my">azman@upm.edu.my</a>	Aras Bawah, Asasi 4
8	En. Muhammad Amiruddin Ibrahim <a href="mailto:amir.ibrahim@upm.edu.my">amir.ibrahim@upm.edu.my</a>	Aras 1, Asasi 1
9	En. Muhamad Ismail Othman <a href="mailto:m.ismail@upm.edu.my">m.ismail@upm.edu.my</a>	Aras Bawah, Asasi 3
10	Cik Erra Noorfazira Bandong <a href="mailto:erra@upm.edu.my">erra@upm.edu.my</a>	Aras Bawah, Asasi 4
11	Pn. Nur Atikah Saleh Hodin <a href="mailto:nuratikah.saleh@upm.edu.my">nuratikah.saleh@upm.edu.my</a>	Aras 1, Asasi 1

**BIDANG KIMIA**

<b>Bil</b>	<b>Nama &amp; Email Pensyarah</b>	<b>Lokasi</b>
1	Dr. Muhd. Aliff Mohd. Latif <a href="mailto:aliflatif@upm.edu.my">aliflatif@upm.edu.my</a>	Aras Bawah, Asasi 3
2	P.M. ChM. Dr. Siti Nurul Ain Md. Jamil <a href="mailto:ctnurulain@upm.edu.my">ctnurulain@upm.edu.my</a>	Aras Bawah, Asasi 3
3	P.M. Dr. Siti Efliza Ashari <a href="mailto:ctefliza@upm.edu.my">ctefliza@upm.edu.my</a>	Aras Bawah, Asasi 3
4	Dr. Adila Mohamad Jaafar <a href="mailto:adilamj@upm.edu.my">adilamj@upm.edu.my</a>	Aras 1, Asasi 1
5	Dr. Intan Diana Mat Azmi <a href="mailto:intandiana@upm.edu.my">intandiana@upm.edu.my</a>	Aras 1, Asasi 1
6	Dr. Norazlinaliza Salim <a href="mailto:azlinalizas@upm.edu.my">azlinalizas@upm.edu.my</a>	Aras 1, Asasi 1
7	Dr. Nur Hana Faujan <a href="mailto:nurhana@upm.edu.my">nurhana@upm.edu.my</a>	Asasi 2
8	Dr. Shah Christirani Azhar <a href="mailto:christirani@upm.edu.my">christirani@upm.edu.my</a>	Aras 1, Asasi 1
9	Dr Wan Nor Adira Wan Khalit <a href="mailto:noradira@upm.edu.my">noradira@upm.edu.my</a>	Aras 2 Asasi 4
10	En. Mohamad Najib Ab Aziz <a href="mailto:najibabaziz@upm.edu.my">najibabaziz@upm.edu.my</a>	Aras 1, Asasi 1
11	Pn. Noor Hidayu Aris <a href="mailto:hidayuaris@upm.edu.my">hidayuaris@upm.edu.my</a>	Asasi 2
12	Pn. Nur Syafiqah Idris <a href="mailto:inursyafiqah@upm.edu.my">inursyafiqah@upm.edu.my</a>	Asasi 2

## BIDANG MATEMATIK

Bil	Nama & Email Pensyarah	Lokasi
1	Dr. Mohammad Asyraf Asbullah <a href="mailto:ma_asyraf@upm.edu.my">ma_asyraf@upm.edu.my</a>	Aras 2, Asasi 4
2	Dr. Mohd. Hasan Abdul Sathar <a href="mailto:mohdhasan@upm.edu.my">mohdhasan@upm.edu.my</a>	Aras 2, Asasi 4
3	Dr. Mohd. Ezad Hafidz Hafidzuddin <a href="mailto:ezadhafidz@upm.edu.my">ezadhafidz@upm.edu.my</a>	Aras 2, Asasi 4
4	Dr. Khairun Nisak Muhammad <a href="mailto:nisak_muhammad@upm.edu.my">nisak_muhammad@upm.edu.my</a>	Aras 2 Asasi 4
5	En. Ahmad Nazri Mohamad Soh <a href="mailto:nazrims@upm.edu.my">nazrims@upm.edu.my</a>	Asasi 2
6	En. Muhammad Khairul Jauhari Othman <a href="mailto:khairuljauhari@upm.edu.my">khairuljauhari@upm.edu.my</a>	Aras 2 Asasi 4
7	Pn. Munirah Kamal <a href="mailto:munirahkamal@upm.edu.my">munirahkamal@upm.edu.my</a>	Aras Bawah, Asasi 3
8	Pn. Nur Syazana Rashid <a href="mailto:nursyazana@upm.edu.my">nursyazana@upm.edu.my</a>	Asasi 2
9	Pn. W. Nur Atikah W. Mohd. Adnan <a href="mailto:wanatikah@upm.edu.my">wanatikah@upm.edu.my</a>	Asasi 2
10	Pn. Nurul Amira Aslan <a href="mailto:nurulamira_a@upm.edu.my">nurulamira_a@upm.edu.my</a>	Asasi 2

**BIDANG FIZIK**

<b>Bil</b>	<b>Nama &amp; Email Pensyarah</b>	<b>Lokasi</b>
1	Ts. Dr. Shahrudin Omar Baki <a href="mailto:sharudinomar@upm.edu.my">sharudinomar@upm.edu.my</a>	Aras 1, Asasi 1
2	Ts. Dr. Ikhwan Syafiq Mohd. Nor <a href="mailto:imnoor@upm.edu.my">imnoor@upm.edu.my</a>	Aras 1, Asasi 4
3	Gs. Dr. Yaakob Mansor <a href="mailto:yaakobms@upm.edu.my">yaakobms@upm.edu.my</a>	Aras 1, Asasi 1
4	Dr. Umair Abdul Halim <a href="mailto:umair@upm.edu.my">umair@upm.edu.my</a>	Aras 2, Asasi 4
5	Dr. Siti Suzilliana Putri Mohamed Isa <a href="mailto:ctsuzilliana@upm.edu.my">ctsuzilliana@upm.edu.my</a>	Aras 1, Asasi 4
6	Dr. Emma Ziezie Mohd. Tarmizi <a href="mailto:emma@upm.edu.my">emma@upm.edu.my</a>	Aras 1, Asasi 4
7	Pn. Nor Azah Abd. Aziz <a href="mailto:norazah@upm.edu.my">norazah@upm.edu.my</a> (Sedang Cuti Belajar)	Aras Bawah, Asasi 3
8	Pn. Nor Syazana Shamsuddin <a href="mailto:norsyazana@upm.edu.my">norsyazana@upm.edu.my</a>	Asasi 2
9	Pn. Nor Ain Asyiqin Anas <a href="mailto:ainasyiqin@upm.edu.my">ainasyiqin@upm.edu.my</a>	Aras Bawah, Asasi 3
10	Cik Aina Suhaiza Mohamad Nazir <a href="mailto:ainasuhaiza@upm.edu.my">ainasuhaiza@upm.edu.my</a>	Asasi 2
11	Cik Noor Wahidah Zainol Jamil <a href="mailto:noor_wahida@upm.edu.my">noor_wahida@upm.edu.my</a>	Aras Bawah, Asasi 3

## E-MAIL DAN LOKASI BILIK PENTADBIR PASP

### PENGURUSAN

Bil	Nama & Email	Jawatan	Lokasi
1	P.M. Dr. Marina Mohd. Top @ Mohd. Tah <a href="mailto:marinamohd@upm.edu.my">marinamohd@upm.edu.my</a>	Pengarah	Bilik Pengarah, Pejabat Am, Asasi 1
2	P.M. ChM. Dr. Siti Nurul Ain Md. Jamil <a href="mailto:ctnurulain@upm.edu.my">ctnurulain@upm.edu.my</a>	Timb. Pengarah I	Bilik Timb. Pengarah I, Pejabat Am, Asasi 1
3	P.M. Mohamad Amran Mohd. Salleh <a href="mailto:asalleh@upm.edu.my">asalleh@upm.edu.my</a>	Timb. Pengarah II	Bilik Timb. Pengarah II, Pejabat Am, Asasi 1
4	Hj. Mat Razi Abdullah <a href="mailto:mra@upm.edu.my">mra@upm.edu.my</a>	Timbalan Pendaftar	Bilik Timbalan Pendaftar, Pejabat Am, Asasi 1
5	Pn. Shaerin Azlin Ab Rahman <a href="mailto:shaerin@upm.edu.my">shaerin@upm.edu.my</a>	Penolong Pendaftar Kanan	Bilik Penolong Pendaftar Kanan, Pejabat Am, Asasi 1

### PELAKSANA

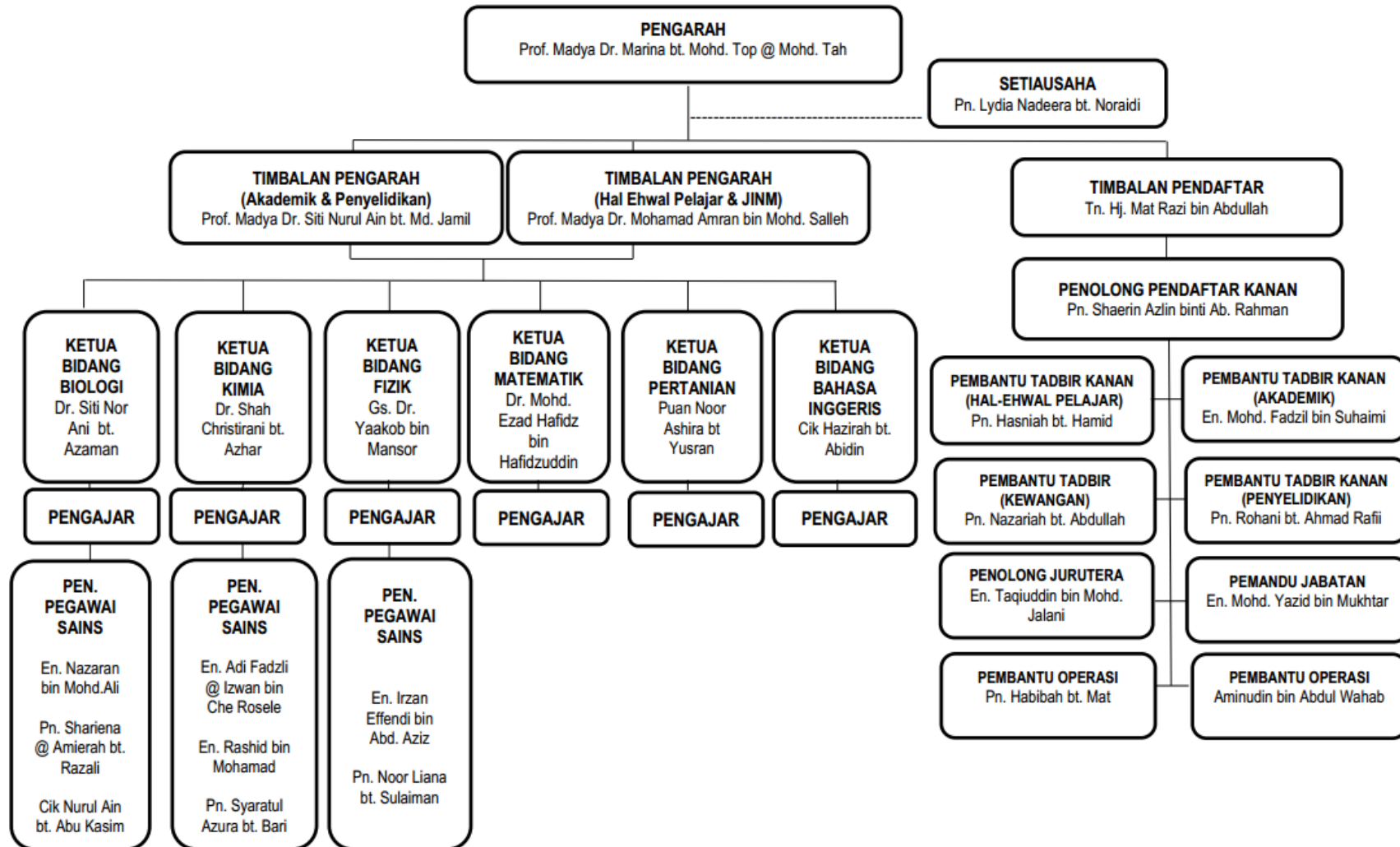
Bil	Nama & Email	Jawatan	Lokasi
1	Pn. Lydia Nadeera Noraidi <a href="mailto:nadeera@upm.edu.my">nadeera@upm.edu.my</a>	Pemb. Setiausaha Pejabat	Pejabat Am, Asasi 1
2	Pn. Hasniah Hamid <a href="mailto:hasniah@upm.edu.my">hasniah@upm.edu.my</a>	Pemb. Tadbir Kanan	Pejabat Am, Asasi 1
3	Pn. Rohani Ahmad Rafii <a href="mailto:rar@upm.edu.my">rar@upm.edu.my</a>	Pemb. Tadbir Kanan	Pejabat Am, Asasi 1
4	En. Mohd. Fadzil Suhaimi <a href="mailto:m_fadzil@upm.edu.my">m_fadzil@upm.edu.my</a>	Pemb. Tadbir Kanan	Pejabat Am, Asasi 1
5	Pn. Nazariah Abdullah <a href="mailto:nazariah@upm.edu.my">nazariah@upm.edu.my</a>	Pemb. Tadbir	Pejabat Am, Asasi 1
6	En. Taquiuddin Mohd Jalani <a href="mailto:taquiuddin@upm.edu.my">taquiuddin@upm.edu.my</a>	Penolong Jurutera	Pejabat Am, Asasi 1

7	En. Mohd. Yazid Mukhtar <a href="mailto:m_yazid@upm.edu.my">m_yazid@upm.edu.my</a>	Pemandu	Pejabat Am, Asasi 1
8	Aminuddin Abdul Wahab <a href="mailto:aminuddinwahab@upm.edu.my">aminuddinwahab@upm.edu.my</a>	Pembantu Operasi	Pejabat Am, Asasi 1
9	Pn. Habibah Mat <a href="mailto:habibahmat@upm.edu.my">habibahmat@upm.edu.my</a>	Pembantu Awam	Pejabat Am, Asasi 1

## PENOLONG PEGAWAI SAINS

Bil	Nama & Email	Bidang	Lokasi
1	En. Nazaran Mohd Ali <a href="mailto:nazaran@upm.edu.my">nazaran@upm.edu.my</a>	Biologi	Asasi 7
2	Pn. Shariena@Amirah Razali <a href="mailto:shariena@upm.edu.my">shariena@upm.edu.my</a>	Biologi	Asasi 2
3	Cik Nurul Ain Abu Kasim <a href="mailto:nurul.ain@upm.edu.my">nurul.ain@upm.edu.my</a>	Biologi	Asasi 2
4	En. Rashid Mohamed <a href="mailto:rashidm@upm.edu.my">rashidm@upm.edu.my</a>	Kimia	Asasi 5
5	En. Adi Fadzli@Izwan Che Rosele <a href="mailto:adifadzli@upm.edu.my">adifadzli@upm.edu.my</a>	Kimia	Asasi 6
6	Pn. Syaratul Azura Bari <a href="mailto:syaratul@upm.edu.my">syaratul@upm.edu.my</a>	Kimia	Asasi 7
7	En. Irzan Effendi Abdul Aziz <a href="mailto:irzan@upm.edu.my">irzan@upm.edu.my</a>	Fizik	Asasi 4
8	Pn. Noor Liana Sulaiman <a href="mailto:noorliana@upm.edu.my">noorliana@upm.edu.my</a>	Fizik	Asasi 4

## CARTA ORGANISASI PUSAT ASASI SAINS PERTANIAN



\*\* **PENGAJAR** (merujuk kepada Prof Madya/Pensyarah Kanan/ Pensyarah/Peg. Perkhidmatan Pendidikan/Guru Bahasa



: :

## **LIRIK LAGU PUTRA GEMILANG**

Universiti Putra Malaysia  
Gedung ilmu menara budi  
Di sinilah berhimpun warga siswa  
Menjunjung amanat berilmu berbakti

Teguh setia mengisi harapan  
Insan bertaqwa penunjang peribadi  
Berpada tenaga mencapai kejayaan  
Sehati sejiwa berhemah tinggi

Universiti Putra Malaysia  
Pembina wawasan gemilang  
Universiti Putra Malaysia  
Pembentuk siswa cemerlang

Semarak namamu di sinar zaman  
Semerbak namamu di suara sanjungan  
Penyumbang bakti ke anak bangsa  
Pewaris sejati negara tercinta

Di damai desa di permai kota  
Tersemat citramu semegah kenangan  
Di darjat bangsa di daulat negara  
Tersurat jasamu menjana kemajuan

## **CENTRE OF FOUNDATION STUDIES FOR AGRICULTURAL SCIENCE**

*The Centre of Foundation Studies for Agricultural Science (PASP) was established on 1st June 2005, specifically for the Agricultural Science Foundation Programme. It aims to produce outstanding students with a strong foundation and passion for agriculture and agri-bio to pursue a bachelor's degree at Universiti Putra Malaysia (UPM).*

### **UPM VISION**

*To become a University of International Repute.*

### **UPM MISSION**

*To make meaningful contributions to the creation of prosperity and development of the nation and the well-being of all human beings through the exploration and dissemination of knowledge.*

### **UPM QUALITY POLICY**

*Universiti Putra Malaysia employees are committed to achieving excellence through applying quality culture in teaching and learning, research and support services to meet customer expectations.*

### **PROGRAMME OBJECTIVE**

*This programme is offered to equip students with a strong foundation and passion in agriculture and science with a high intention to pursue their studies in the same field at the bachelor's degree level. The Agricultural Science Foundation Programme provides UPM with the opportunity to upskill students and increase their interest in pursuing a bachelor's programme in the field of agriculture and other science-based areas.*

### **LEARNING STRUCTURE**

*The syllabus of the Agricultural Science Foundation Programme, Universiti Putra Malaysia, was formulated based on the syllabus of foundation science programmes in local and international higher education institutions and matriculation centres and the syllabus for the STPM level. Students enrol in a **one-year (two semesters)** study programme and complete a total of 56 credit hours which include core courses, i.e., Biology/Life Sciences, Chemistry, Physics, and Mathematics, as well as Agriculture course and English. Students are required to take six (6) courses each semester and **PASS** all courses. The programme will provide a strong learning foundation for the students to study at a higher level, particularly in the agricultural and science-based fields.*

## **ACADEMIC SYSTEM**

- *The study programme is conducted according to the semester system, and academic activities, including lectures, will commence on the first day of the semester.*
- *PASP prepares a lecture timetable by taking into account the capacity of available lecture rooms and laboratory space. The maximum number of students for each lecture group is 50.*
- *Lecturers or the course coordinator will prepare and distribute a course outline to students on the first day of lectures. It contains information on test dates held throughout the semester and the final examination date.*
- *New students are allowed to register for courses from the first day of Putra Perkasa Week until the last day of the second week of the semester, after which a fine will be imposed.*
- *Students are reminded to register on a continuous basis. Those who fail to comply will be dropped from the student register list and considered terminated from the programme.*
- *Students who have registered for a course must attend the course lectures according to the time set in the Lecture Timetable.*
- *Students must ensure that attendance for each registered course is not less than 80 percent of the total percentage. Students with less than 80 percent attendance percentage are barred from the final examination. Exceptions are granted to students with medical problems, provided that a medical officer or hospital verifies the health report.*
- *Students must always dress neatly and decently while at the University and when attending lectures.*
- *Students **MUST PASS** all courses to enable them to continue their studies at the bachelor's level.*

## **ACADEMIC ADVISORY SYSTEM**

- *The Centre of Foundation Studies for Agricultural Science implements the University's Academic Advisory System, also known as the Student Advisory System. Academic Advisors (PAs) are made up of lecturers at PASP.*
- *The PA system is a support system for students to discuss problems and provide help and advice, apart from bridging the relationship gap between students and lecturers.*
- *An Academic Advisor is knowledgeable about the study curriculum at PASP and is responsible for the following matters:*
  - a) *advising students with matters related to course registration and helping students understand the curriculum, semester system, registration system, and examination system;*
  - b) *providing advice to help solve students' academic problems,*
  - c) *assisting students in solving non-academic issues and, if necessary, referring the matter to relevant parties;*
  - d) *planning, conducting, and monitoring activities involving all students under his/her supervision,*
  - e) *advising students to register for courses according to the curriculum of the study programme they are enrolled in; and*
  - f) *monitoring performance progress online and advising students accordingly.*
- *Regardless of the Academic Advisor's responsibilities and duties, students bear full responsibility for course registration.*
- *Each student is required to meet with the Academic Advisor at least **two (2) times** each semester.*

## **EXAMINATION**

Students will receive the complete results once the University Senate approves the results.

The scoring scheme, letter grade, and point value are shown below.

<b>Score</b>	<b>Grade</b>	<b>Rating points</b>
80 – 100	A	4.000
75 – 79	A-	3.750
70 – 74	B+	3.500
65 – 69	B	3.000
60 – 64	B-	2.750
55 – 59	C+	2.500
50 – 54	C	2.000
47 – 49	C-	1.750
44 – 46	D+	1.500
40 – 43	D	1.000
39 or less	F	0

## **CUMULATIVE GRADE POINTS AVERAGE (CGPA)**

### **Calculation of Deficiency Point**

3. Deficiency points are calculated as follows:

$$\text{Deficiency Point} = 2 (\text{Total accumulated credit hours taken}) - (\text{the total number of points earned}).$$

4. Grade Point Average is calculated as follows:

$$\text{Grade Point Average} = \frac{\text{Total number of grade points}}{\text{Total number of credit hours}}$$

$$\text{Cumulative Grade Points Average (CGPA)} = \frac{\text{Overall Grade Point Average}}{\text{Overall Credit Hours}}$$

## **CURRICULUM STRUCTURE**

The syllabus for the Agricultural Science Foundation programme at Universiti Putra Malaysia is formulated based on the matriculation/basic science syllabus of local higher education institutions and the syllabus for STPM. Students are required to follow the study programme for two semesters by taking a total of 56 credit hours which include Biology, Chemistry, Physics, Mathematics, Agriculture, and English. Below is the study scheme for the Agricultural Science Foundation Programme:

### **Semester 1**

<b>Code</b>	<b>Course name</b>	<b>Credit</b>
<b>General Courses</b>		
LPE1101	Foundation English	3(3+0)
<b>Core Course</b>		
ASA0104	Agriculture and Food Industry	5(4+1)
*ASB0204 <b>OR</b> **ASB0206	Biology I <b>OR</b> Life Science I	5(4+1)
ASC0304	Chemistry I	5(4+1)
ASM0404	Mathematics I	5(5+0)
ASP0504	Physics I	5(4+1)
Total		28

### **Semester 2**

<b>Code</b>	<b>Course name</b>	<b>Credit</b>
<b>General Courses</b>		
LPE1102	Academic English Skills	3(3+0)
<b>Core Course</b>		
ASA0105	Entrepreneurship and Marketing of Agricultural Products	5(4+1)
*ASB0205 <b>OR</b> **ASB0207	Biology II <b>OR</b> Life Science II	5(4+1)
ASC0305	Chemistry II	5(4+1)
ASM0405	Mathematics II	5(5+0)
ASP0505	Physics II	5(4+1)
Total		28

\* Students with a Biology subject in SPM

\*\* Students without a Biology subject in SPM

## COURSE SYNOPSIS

**1. ASA0104      INDUSTRI PERTANIAN DAN MAKANAN  
(Agriculture and Food Industry)**

**Kredit            5(4+1)**

Kursus ini merangkumi kepentingan industri pertanian sebagai sumber makanan dan bahan mentah dengan memberi fokus kepada pelbagai teknik asas pertanian. Kepelbagaian produk makanan juga ditekankan.

*This course covers the importance of the agricultural industry as a source of food and raw materials, focusing on the various basic agricultural production techniques. Diversification of food products is emphasised.*

**2. ASA0105      KEUSAHAWANAN DAN PEMASARAN PRODUK PERTANIAN  
(Entrepreneurship and Marketing of Agricultural Products)**

**Kredit            5(4+1)**

Kursus ini merangkumi pengenalan kepada konsep keusahawanan yang meliputi pengurusan dan pemasaran produk pertanian. Konsep asas ekonomi juga turut ditekankan sebagai persediaan dalam melahirkan agropreneur yang berjaya

*This course consists of an introduction to the concept of entrepreneurship, which covers the management and marketing of agricultural products. The basic concept of economics is also emphasised as a preparation for producing successful agropreneurs.*

**3. ASB0204      BIOLOGI I  
(Biology I)**

**Kredit            5(4+1)**

Kursus ini merangkumi pengenalan kepada struktur dan fungsi asas biologi sel dalam tumbuhan dan haiwan. Konsep asas kepelbagaian organisma dan ekologi turut dibincangkan.

*This course encompasses an introduction to the basic structure and function of biology cell in plants and animals. Basic concepts of organisms' diversity and ecology are also discussed.*

**4. ASB0205 BIOLOGI II  
(Biology II)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas genetik dalam pewarisan. Asas fisiologi haiwan dan tumbuhan turut dibincangkan

*This course encompasses basic concepts of genetics and inheritance. The basic physiology of animals and plants is also discussed.*

**5. ASB0206 SAINS KEHIDUPAN I  
(Life Science I)**

**Kredit 5(4+1)**

Kursus ini merangkumi pengenalan kepada asas sains kehidupan. Kepentingan sains kehidupan ditekankan. Pengendalian eksperimen berkaitan sains kehidupan dipraktikkan.

*This course encompasses an introduction to basic life science. The importance of life science is emphasised. Conducting basic experiments related to life science is also practised.*

**6. ASB0207 SAINS KEHIDUPAN II  
(Life Science II)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas pewarisan dalam kehidupan. Asas fisiologi haiwan dan tumbuhan turut dibincangkan.

*This course encompasses basic concepts of inheritance in life. The basic physiology of animals and plants is also discussed.*



**7. ASC0304 KIMIA I  
(Chemistry I)**

**Kredit 5(4+1)**

Kursus ini merangkumi kimia tak organik, termokimia dan elektrokimia. Hukum-hukum asas dan kegunaan beberapa unsur kimia penting dalam industri ditekankan.

*This course encompasses inorganic chemistry, thermochemistry, and electrochemistry. Fundamental laws and the applications of several important chemical elements in the industry are emphasised.*

**8. ASC0304 KIMIA II  
(Chemistry II)**

**Kredit 5(4+1)**

Kursus ini merangkumi kinetik kimia, keseimbangan kimia dan kimia organik. Hukum-hukum asas berserta jenis dan hasil tindak balas kimia organik adalah ditekankan.

*This course encompasses chemical kinetics, chemical equilibrium and organic chemistry. Fundamental laws, along with the types and products of organic chemical reactions, are emphasised.*

**9. ASM0404 MATEMATIK I  
(Mathematics I)**

**Kredit 5(5+0)**

Kursus ini merangkumi pengenalan kepada konsep asas aljabar termasuk fungsi dan pembezaan. Aplikasi konsep aljabar, fungsi dan pembezaan dalam penyelesaian masalah ditekankan.

*This course encompasses elementary concepts of algebra, which include function and differentiation. The application of concepts of algebra, functions and differentiations in problem-solving are emphasised.*

**10. ASM0405 MATEMATIK II  
(Mathematics II)**

**Kredit 5(5+0)**

Kursus ini merangkumi konsep asas geometri, kamiran, dan statistik. Persamaan pembezaan dan kaedah berangka juga diperkenalkan. Aplikasi konsep kamiran dan statistik dalam menyelesaikan masalah dengan bantuan aplikasi teknologi digital ditekankan.

*This course encompasses elementary concepts of geometry, integrals, and statistics. Differential equations and numerical methods are also introduced. The application of the concepts of integration and statistics in problem-solving with the help of digital technology applications is emphasised.*

**11. ASP0504 FIZIK I  
(Physics I)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas fizik yang berkaitan dengan mekanik dan gelombang. Aplikasi konsep dan teori dalam permasalahan mekanik dan gelombang ditekankan.

*This course encompasses the fundamental concept in physics related to mechanics and waves. Applications of theories and concepts on problems related to mechanics and waves are emphasised.*

**12. ASP0505 FIZIK II  
(Physics II)**

**Kredit 5(4+1)**

Kursus ini merangkumi konsep asas haba, elektromagnet dan fizik moden. Aplikasi konsep dan teori dalam permasalahan haba, elektromagnet dan fizik moden diberi penekanan.

*This course encompasses the fundamental concepts in physics related to heat, electromagnets and modern physics. Applications of the theories and concepts on problems related to heat, electromagnets and modern physics are emphasised.*

**13. LPE1101      FOUNDATION ENGLISH**  
***Bahasa Inggeris Asas***

**Kredit            3(3+0)**

This course covers the listening, reading, speaking, and writing skills in English to attain functional levels of the language. Students' abilities to comprehend various texts, use appropriate language expressions and grammar, and communicate ideas clearly in discussions are also emphasised.

*Kursus ini merangkumi kemahiran mendengar, membaca, bertutur dan menulis dalam bahasa Inggeris pada tahap fungsional. Keupayaan penggunaan ungkapan bahasa dan tatabahasa yang sesuai dan penyampaian idea dengan jelas dalam perbincangan turut dititikberatkan.*

**14. LPE1102      ACADEMIC ENGLISH SKILLS**  
***Kemahiran Bahasa Inggeris Akademik***

**Kredit            3(3+0)**

This course covers the use of English in an academic context. Developing essential skills for gathering relevant information from various sources and presenting information using effective and accurate language is emphasised.

*Kursus ini merangkumi penggunaan bahasa Inggeris dalam konteks akademik kepada pelajar. Pembinaan kemahiran asas untuk memperoleh maklumat yang relevan daripada pelbagai sumber dan pembentangan maklumat dengan menggunakan bahasa yang tepat dan berkesan turut dititikberatkan.*

## PROGRAMMES OFFERED AT BACHELOR LEVEL

Students who have completed the Agricultural Science Foundation Programme are eligible to enrol in any UPM bachelor programmes listed below:

NO. / PROGRAMME CODE	FACULTY / SCHOOL / CENTRE / PROGRAMME	Science Subjects at the SPM Level	
		Students with a Biology subject in SPM	Students WITHOUT a Biology subject in SPM
		All Courses at the Foundation Level (Refer to the Study Scheme)	
<b>1</b>	<b>FACULTY OF AGRICULTURE</b>		
UP6620001	Bachelor of Technology in Smart Agriculture with Honours #	/	/
UP6621001	Bachelor of Agricultural Science with Honours #	/	X
UP6621002	Bachelor of Science in Plantation Management with Honours #	/	/
UP6621004	Bachelor of Agriculture in Animal Science with Honours	/	X
UP6621005	Bachelor of Science in Agribusiness with Honours	/	/
UP6622001	Bachelor of Horticultural Science with Honours	/	/
UP6624001	Bachelor of Science in Aquaculture with Honours	/	X
<b>2</b>	<b>FACULTY OF FORESTRY AND ENVIRONMENT</b>		
UP6345007	Bachelor of Environmental Management with Honours	/	/
UP6422001	Bachelor of Environmental Science and Technology with Honours	/	/
UP6623001	Bachelor of Forestry Science with Honours	/	/
UP6623003	Bachelor of Wood Science and Technology with Honours	/	/
UP6812001	Bachelor of Parks and Recreation Science with Honours	/	/
<b>3</b>	<b>FACULTY OF VETERINARY MEDICINE</b>		
UP6640001	Doctor of Veterinary Medicine #	/	X
<b>4</b>	<b>SCHOOL OF BUSINESS AND ECONOMICS</b>		
UP6314001	Bachelor of Economics with Honours	/	/
UP6344001	Bachelor of Accounting (Hons)	/	/
UP6345001	Bachelor of Business Administration with Honours	/	/
<b>5</b>	<b>FACULTY OF ENGINEERING</b>		
UP6521001	Bachelor of Mechanical Engineering with Honours	/	/
UP6523001	Bachelor of Electrical and Electronics Engineering with Honours	/	/
UP6523002	Bachelor of Computer and Communication System Engineering with Honours	/	/
UP6524001	Bachelor of Chemical Engineering with Honours	/	/
UP6524002	Bachelor of Agricultural and Biosystems Engineering with Honours	/	/
UP6525001	Bachelor of Aerospace Engineering with Honours	/	/
UP6526001	Bachelor of Civil Engineering with Honours	/	/

NO. / PROGRAMME CODE	FACULTY / SCHOOL / CENTRE / PROGRAMME	Science Subjects at the SPM Level	
		Students with a Biology subject in SPM	Students WITHOUT a Biology subject in SPM
		All Courses at the Foundation Level (Refer to the Study Scheme)	
UP6541004	Bachelor of Process and Food Engineering with Honours	/	/
<b>6</b>	<b>FACULTY OF EDUCATIONAL STUDIES</b>		
UP6145001	Bachelor of Education in Physical Education with Honours #	/	/
UP6145002	Bachelor of Education in Guidance and Counseling with Honours #	/	/
UP6145003	Bachelor of Education in Malay Language with Honours	Not Offered to PASP Graduates	
UP6145004	Bachelor of Education in Teaching English as a Second Language with Honours #	/	/
UP6145005	Bachelor of Education in Home Science with Honours #	/	X
UP6145006	Bachelor of Education in Agricultural Science with Honours #	/	X
UP6345002	Bachelor of Science in Human Resource Development with Honours	/	/
UP6762001	Bachelor of Counseling with Honours #	/	/
<b>7</b>	<b>FACULTY OF SCIENCE</b>		
UP6142001	Bachelor of Science with Education (Hons) #	/	X
UP6142002	Bachelor of Science in Physics with Education (Hons) #	/	/
UP6142003	Bachelor of Science in Chemistry with Education (Hons) #	/	/
UP6142004	Bachelor of Science in Mathematics with Education (Hons) #	/	/
UP6421002	Bachelor of Science in Biology with Honours	/	X
UP6440001	Bachelor of Science in Materials Physics with Honours	/	/
UP6440002	Bachelor of Science in Instrumentation Physics with Honours	/	/
UP6441001	Bachelor of Science in Physics with Honours	/	/
UP6442001	Bachelor of Science in Chemistry with Honours	/	/
UP6442002	Bachelor of Science in Industrial Chemistry with Honours	/	/
UP6442003	Bachelor of Science in Petroleum Chemistry with Honours	/	/
UP6461001	Bachelor of Science in Mathematics with Honours	/	/
UP6462001	Bachelor of Science in Statistics with Honours	/	/
<b>8</b>	<b>FACULTY OF FOOD SCIENCE AND TECHNOLOGY</b>		
UP6541001	Bachelor of Food Science and Technology with Honours	/	/
UP6541002	Bachelor of Science in Food Studies with Honours	/	/
UP6541003	Bachelor of Science in Food Service Management with Honours	/	/
UP6541005	Bachelor of Science in Food Manufacturing Operations with Honours	/	/
<b>9</b>	<b>FACULTY OF HUMAN ECOLOGY</b>		

NO. / PROGRAMME CODE	FACULTY / SCHOOL / CENTRE / PROGRAMME	Science Subjects at the SPM Level	
		Students with a Biology subject in SPM	Students WITHOUT a Biology subject in SPM
		All Courses at the Foundation Level (Refer to the Study Scheme)	
UP6212001	Bachelor of Music with Honours #	/	/
UP6312001	Bachelor of Human Development Science with Honours	/	/
UP6345003	Bachelor of Consumer Studies with Honours	/	/
UP6345004	Bachelor of Human Development Science with Management (Hons)	/	/
UP6345005	Bachelor of Human Development Science with Information Technology (Hons)	/	/
<b>10</b>	<b>FACULTY OF MODERN LANGUAGES AND COMMUNICATION</b>		
UP6222001	Bachelor of Arts in Malay Language and Linguistics with Honours	Not Offered to PASP Graduates	
UP6223001	Bachelor of Arts in Malay Literature with Honours	Not Offered to PASP Graduates	
UP6224001	Bachelor of Arts in English Language and Linguistics with Honours	/	/
UP6224002	Bachelor of Arts Chinese Language Studies with Honours #	Not Offered to PASP Graduates	
UP6224003	Bachelor of Arts in Arabic language with Honours	Not Offered to PASP Graduates	
UP6224004	Bachelor of Arts in English Literature with Honours	/	/
UP6224005	Bachelor of Arts in French Language Studies with Honours	Not Offered to PASP Graduates	
UP6224006	Bachelor of Arts in German Language Studies with Honours	Not Offered to PASP Graduates	
UP6321001	Bachelor of Communication with Honours	/	/
<b>11</b>	<b>FACULTY OF MEDICINE AND HEALTH SCIENCES</b>		
UP6421001	Bachelor of Biomedical Science with Honours	/	X
UP6721001	Doctor of Medicine #	/	X
UP6723001	Bachelor of Nursing with Honours #	/	X
UP6726001	Bachelor of Science in Dietetics with Honours #	/	X
UP6726002	Bachelor of Science in Nutrition and Community Health with Honours	/	X
UP6862001	Bachelor of Science in Environmental and Occupational Health with Honours	/	X
<b>12</b>	<b>FACULTY OF DESIGN AND ARCHITECTURE</b>		
UP6214001	Bachelor of Industrial Design with Honours #	/	/
UP6581001	Bachelor of Landscape Architecture with Honours #	/	/
UP6581002	Bachelor of Science in Architecture with Honours #	/	/
<b>13</b>	<b>FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY</b>		
UP6481001	Bachelor of Computer Science with Honours	/	/
UP6481002	Bachelor of Computer Science (Multimedia Computing) with Honours	/	/
UP6481003	Bachelor of Software Engineering with Honours	/	/
UP6481004	Bachelor of Computer Science (Computer Networks) with Honours	/	/

NO. / PROGRAMME CODE	FACULTY / SCHOOL / CENTRE / PROGRAMME	Science Subjects at the SPM Level	
		Students with a Biology subject in SPM	Students WITHOUT a Biology subject in SPM
		All Courses at the Foundation Level (Refer to the Study Scheme)	
<b>14</b>	<b>FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES</b>		
UP6421003	Bachelor of Science in Biochemistry with Honours	/	X
UP6421004	Bachelor of Science in Microbiology with Honours	/	X
UP6421005	Bachelor of Science in Cell and Molecular Biology with Honours	/	X
UP6545001	Bachelor of Science in Biotechnology with Honours	/	X
<b>15A</b>	<b>FACULTY OF AGRICULTURAL AND FORESTRY SCIENCES, UPMKB</b>		
UP6621003	Bachelor of Bioindustry Science with Honours	/	X
UP6623002	Bachelor of Forestry Science with Honours	/	/
UP6624002	Bachelor of Science in Aquaculture with Honours	/	X
<b>16A</b>	<b>FACULTY OF HUMANITIES, MANAGEMENT AND SCIENCES, UPMKB</b>		
UP6345006	Bachelor of Science in Human Development with Management (Hons)	/	/
UP6442004	Bachelor of Science in Industrial Chemistry with Honours	/	/
	<b>Number of bachelor programmes that can be chosen</b>	<b>78</b>	<b>58</b>

# Programme entry with interview

Updated information based on the Bachelor Programme Admission requirements for the 2023/2024 Academic Session

**UNIVERSITI PUTRA MALAYSIA**  
**Academic Calendar, Session 2023-2024**  
**Agricultural Science Foundation**  
**(2 Semesters)**

**FIRST SEMESTER**

* Lecture	31 July 2023	- 01 October 2023	(9 weeks)
** Test 1	11 September 2023	- 24 September 2023	(2 weeks)
*** Mid Semester Break	02 October 2023	- 08 October 2023	(1 week)
Lecture	09 October 2023	- 10 December 2023	(9 weeks)
~ Test 2	06 November 2023	- 19 November 2023	(2 weeks)
Study Leave	11 December 2023	- 17 December 2023	(1 week)
~~ Final Examination	18 December 2023	- 24 December 2023	(1 week)
# Semester Break	25 December 2023	- 14 January 2024	(3 weeks)

**SECOND SEMESTER**

## Lecture	15 January 2024	- 07 April 2024	(12 weeks)
### Test 1	26 February 2024	- 10 March 2024	(2 weeks)
@ Mid-Semester Break	08 April 2024	- 14 April 2024	(1 week)
Lecture	15 April 2024	- 26 May 2024	(6 weeks)
@@ Test 2	22 April 2024	- 05 May 2024	(2 weeks)
@@@ Study Leave	27 May 2024	- 02 June 2024	(1 week)
% Final Examination	03 June 2024	- 16 June 2024	(2 weeks)

*Independence Day	- 31 August 2023 (Thursday)
**Malaysia Day	- 16 September 2023 (Saturday)
***Mawlid (Prophet Birthday)	- 28 September 2023 (Thursday)
~ Deepavali	- 12 November 2023 (Sunday)
~~ Sultan of Selangor's Birthday	- 11 December 2023 (Sunday)
# Christmas	- 25 December 2023 (Monday)
# New Year Holiday	- 01 January 2024 (Monday)
## Thaipusam	- 25 January 2024 (Thursday)
## Isra' and Mi'raj Holiday	- 07 February 2024 (Wednesday)
## Chinese New Year Holiday	- 10 & 11 February 2024 (Saturday & Sunday)
@ Nuzul Al-Quran	- 27 March 2024 (Wednesday)
@ Eid al-Fitr	- 10 & 11 April 2024 (Wednesday & Thursday)
@@ Labour Day	- 01 May 2024 (Wednesday)
@@@ Kaamatan (Harvest Festival)	- 30 & 31 May 2024 (Thursday & Friday)
% Agong's Birthday	- 03 June 2024 (Monday)

*(Mid-semester break is not a part of lecture week)*



## LECTURERS' ROOM LOCATION AND EMAIL

### AGRICULTURE

No.	Lecturer's Name & Email	Location
1	Mr. Azham Mohamad <a href="mailto:azham@upm.edu.my">azham@upm.edu.my</a>	Ground Floor, Asasi 3
2	Mr. Muhd. Termidzi Abd. Jamal <a href="mailto:termidzijamal@upm.edu.my">termidzijamal@upm.edu.my</a>	Ground Floor, Asasi 3
3	Mr. Mohamad Amirul Faez Sulaiman <a href="mailto:amirulfaez@upm.edu.my">amirulfaez@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
4	Mr. Mohamad Haidir Mohamed Noor <a href="mailto:mhaidir.mn@upm.edu.my">mhaidir.mn@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
5	Ms. Rafina Syhadilla Md. Rafi <a href="mailto:rafina@upm.edu.my">rafina@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
6	Ms. Noor Ashira Yusran <a href="mailto:ashira@upm.edu.my">ashira@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
7	Ms. Ermelia Rohayu Ramlan <a href="mailto:ermeliarohayu@upm.edu.my">ermeliarohayu@upm.edu.my</a>	Ground Floor, Asasi 3
8	Ms. Amizatul Najeha Lukmanulhakim <a href="mailto:amizatulnajeha@upm.edu.my">amizatulnajeha@upm.edu.my</a>	Asasi 2

## BIOLOGY

No.	Lecturer's Name & Email	Location
1	Assoc. Prof. Dr. Marina Mohd. Top @ Mohd.Tah <a href="mailto:marinamohd@upm.edu.my">marinamohd@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 4
2	Dr. Ezyana Kamal Bahrin <a href="mailto:ezyana@upm.edu.my">ezyana@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
3	Dr. Nadiatul Hafiza Hassan <a href="mailto:nadiahafiza@upm.edu.my">nadiahafiza@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
4	Dr. Nor Hafizah Ahmad Kamarudin <a href="mailto:hafizah_kamar@upm.edu.my">hafizah_kamar@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
5	Dr. Nur Akmal Ishak <a href="mailto:nur_akmal@upm.edu.my">nur_akmal@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
6	Dr. Siti Nor Ani Azaman <a href="mailto:s_norani@upm.edu.my">s_norani@upm.edu.my</a>	Asasi 2
7	Mr. Azman Jali <a href="mailto:azman@upm.edu.my">azman@upm.edu.my</a>	Ground Floor, Asasi 4
8	Mr. Muhammad Amiruddin Ibrahim <a href="mailto:amir.ibrahim@upm.edu.my">amir.ibrahim@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
9	Mr. Muhamad Ismail Othman <a href="mailto:m.ismail@upm.edu.my">m.ismail@upm.edu.my</a>	Ground Floor, Asasi 3
10	Ms. Erra Noorfazira Bandong <a href="mailto:erra@upm.edu.my">erra@upm.edu.my</a>	Ground Floor, Asasi 4
11	Ms. Nur Atikah Saleh Hodin <a href="mailto:nuratikah.saleh@upm.edu.my">nuratikah.saleh@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1

## CHEMISTRY

No.	Lecturer's Name & Email	Location
1	Dr. Muhd. Aliff Mohd. Latif <a href="mailto:aliflatif@upm.edu.my">aliflatif@upm.edu.my</a>	Ground Floor, Asasi 3
2	Assoc. Prof. ChM. Dr. Siti Nurul Ain Md. Jamil <a href="mailto:ctnurulain@upm.edu.my">ctnurulain@upm.edu.my</a>	Ground Floor, Asasi 3
3	Assoc. Prof. Dr. Siti Efliza Ashari <a href="mailto:ctefliza@upm.edu.my">ctefliza@upm.edu.my</a>	Ground Floor, Asasi 3
4	Dr. Adila Mohamad Jaafar <a href="mailto:adilamj@upm.edu.my">adilamj@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
5	Dr. Intan Diana Mat Azmi <a href="mailto:intandiana@upm.edu.my">intandiana@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
6	Dr. Norazlinaliza Salim <a href="mailto:azlinalizas@upm.edu.my">azlinalizas@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
7	Dr. Nur Hana Faujan <a href="mailto:nurhana@upm.edu.my">nurhana@upm.edu.my</a>	Asasi 2
8	Dr. Shah Christirani Azhar <a href="mailto:christirani@upm.edu.my">christirani@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
9	Dr. Wan Nor Adira Wan Khalit <a href="mailto:noradira@upm.edu.my">noradira@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
10	Mr. Mohamad Najib Ab Aziz <a href="mailto:najibabaziz@upm.edu.my">najibabaziz@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
11	Ms. Noor Hidayu Aris <a href="mailto:hidayuaris@upm.edu.my">hidayuaris@upm.edu.my</a>	Asasi 2
12	Ms. Nur Syafiqah Idris <a href="mailto:inursyafiqah@upm.edu.my">inursyafiqah@upm.edu.my</a>	Asasi 2

## MATHEMATICS

No.	Lecturer's Name & Email	Location
1	Dr. Mohammad Asyraf Asbullah <a href="mailto:ma_asyraf@upm.edu.my">ma_asyraf@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
2	Dr. Mohd. Hasan Abdul Sathar <a href="mailto:mohdhasan@upm.edu.my">mohdhasan@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
3	Dr. Mohd. Ezad Hafidz Hafidzuddin <a href="mailto:ezadhafidz@upm.edu.my">ezadhafidz@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
4	Dr. Khairun Nisak Muhammad <a href="mailto:nisak_muhammad@upm.edu.my">nisak_muhammad@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
5	Mr. Ahmad Nazri Mohamad Soh <a href="mailto:nazrims@upm.edu.my">nazrims@upm.edu.my</a>	Asasi 2
6	Mr. Muhammad Khairul Jauhari Othman <a href="mailto:khairuljauhari@upm.edu.my">khairuljauhari@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
7	Ms. Munirah Kamal <a href="mailto:munirahkamal@upm.edu.my">munirahkamal@upm.edu.my</a>	Ground Floor, Asasi 3
8	Ms. Nur Syazana Rashid <a href="mailto:nursesyzazana@upm.edu.my">nursesyzazana@upm.edu.my</a>	Asasi 2
9	Ms. W. Nur Atikah W. Mohd. Adnan <a href="mailto:wanatikah@upm.edu.my">wanatikah@upm.edu.my</a>	Asasi 2
10	Ms. Nurul Amira Aslan <a href="mailto:nurulamira_a@upm.edu.my">nurulamira_a@upm.edu.my</a>	Asasi 2

## PHYSICS

NO.	Lecturer's Name & Email	Location
1	Ts. Dr. Shahrudin Omar Baki <a href="mailto:sharudinomar@upm.edu.my">sharudinomar@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
2	Ts. Dr. Ikhwan Syafiq Mohd. No. <a href="mailto:imnoor@upm.edu.my">imnoor@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 4
3	Gs. Dr. Yaakob Mansor <a href="mailto:yaakobms@upm.edu.my">yaakobms@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 1
4	Dr. Umair Abdul Halim <a href="mailto:umair@upm.edu.my">umair@upm.edu.my</a>	2 <sup>nd</sup> Floor, Asasi 4
5	Dr. Siti Suzilliana Putri Mohamed Isa <a href="mailto:ctsuzilliana@upm.edu.my">ctsuzilliana@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 4
6	Dr. Emma Ziezie Mohd. Tarmizi <a href="mailto:emma@upm.edu.my">emma@upm.edu.my</a>	1 <sup>st</sup> Floor, Asasi 4
7	Ms. Nor Azah Abd. Aziz <a href="mailto:norazah@upm.edu.my">norazah@upm.edu.my</a> (On Study Leave)	Ground Floor, Asasi 3
8	Ms. Nor Syazana Shamsuddin <a href="mailto:norsyazana@upm.edu.my">norsyazana@upm.edu.my</a>	Asasi 2
9	Ms. Nor Ain Asyiqin Anas <a href="mailto:ainasyiqin@upm.edu.my">ainasyiqin@upm.edu.my</a>	Ground Floor, Asasi 3
10	Ms. Aina Suhaiza Mohamad Nazir <a href="mailto:ainasuhaiza@upm.edu.my">ainasuhaiza@upm.edu.my</a>	Asasi 2
11	Ms. Noor Wahidah Zainol Jamil <a href="mailto:noor_wahida@upm.edu.my">noor_wahida@upm.edu.my</a>	Ground Floor, Asasi 3

## PASP ADMINISTRATION OFFICE LOCATION AND E-MAIL

### ADMINISTRATORS

No.	Name & Email	Position	Location
1	Assoc. Prof. Dr. Marina Mohd. Top @ Mohd. Tah <a href="mailto:marinamohd@upm.edu.my">marinamohd@upm.edu.my</a>	Director	Director's Room, General Office, Asasi 1
2	Assoc. Prof. Chm. Dr. Siti Nurul Ain Md. Jamil <a href="mailto:ctnurulain@upm.edu.my">ctnurulain@upm.edu.my</a>	Dep. Director I	Dep. Director's Room, General Office, Asasi 1
3	Assoc. Prof. Mohamad Amran Mohd. Salleh <a href="mailto:asalleh@upm.edu.my">asalleh@upm.edu.my</a>	Dep. Director II	Dep. Director's Room, General Office, Asasi 1
4	Mr. Mat Razi Abdullah <a href="mailto:mra@upm.edu.my">mra@upm.edu.my</a>	Deputy Registrar	Deputy Registrar Room, General Office, Asasi 1
5	Ms. Shaerin Azlin Ab Rahman <a href="mailto:shaerin@upm.edu.my">shaerin@upm.edu.my</a>	Senior Assistant Registrar	Senior Assistant Registrar Room, General Office, Asasi 1

### IMPLEMENTATION OFFICERS

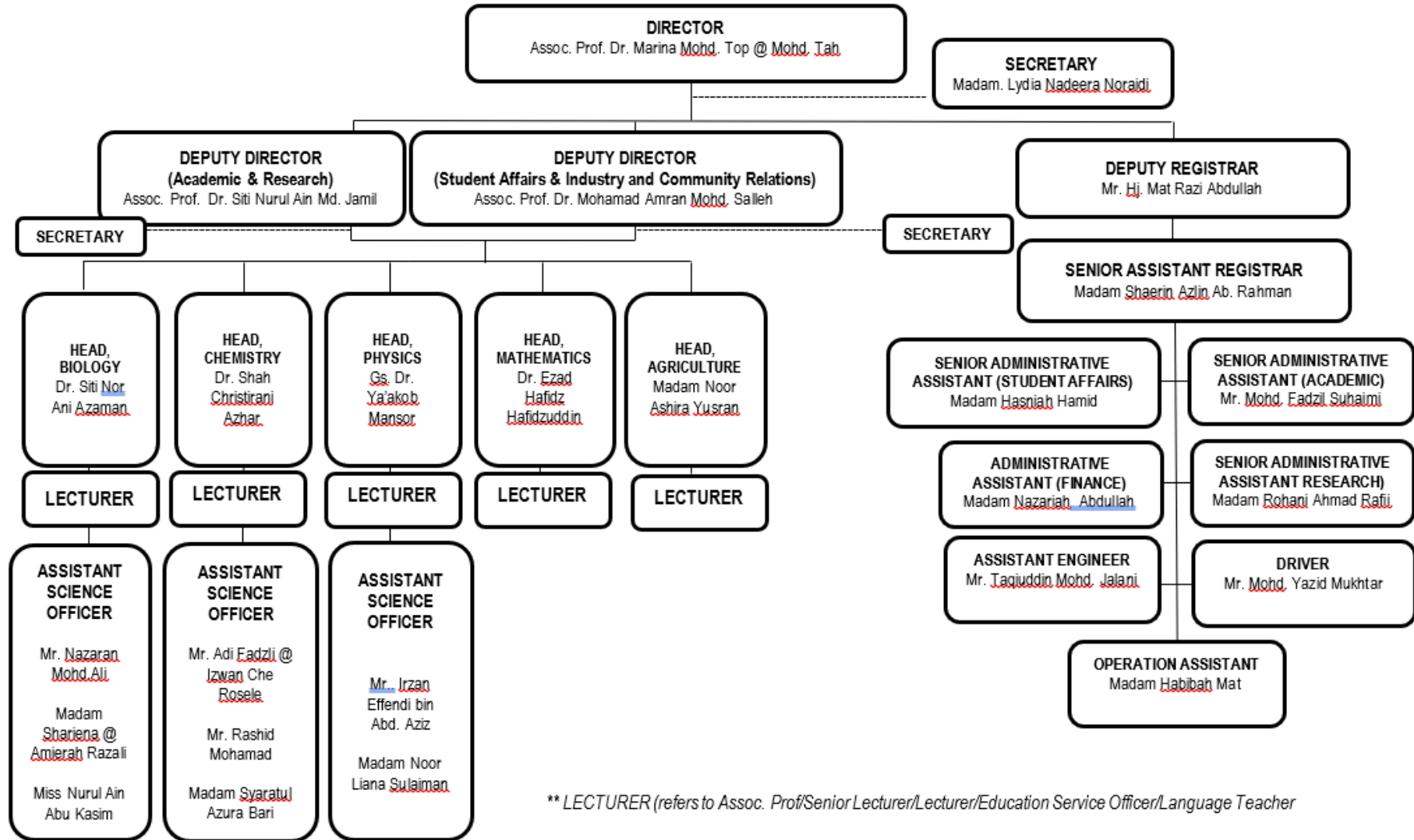
No.	Name & Email	Position	Location
1	Ms. Lydia Nadeera Noraidi <a href="mailto:nadeera@upm.edu.my">nadeera@upm.edu.my</a>	Assistant Office Secretary	General Office, Asasi 1
2	Ms. Hasniah Hamid <a href="mailto:hasniah@upm.edu.my">hasniah@upm.edu.my</a>	Senior Administrative Assistant	General Office, Asasi 1
3	Ms. Rohani Ahmad Rafii <a href="mailto:rar@upm.edu.my">rar@upm.edu.my</a>	Senior Administrative Assistant	General Office, Asasi 1
4	Mr. Mohd. Fadzil Suhaimi <a href="mailto:m_fadzil@upm.edu.my">m_fadzil@upm.edu.my</a>	Senior Administrative Assistant	General Office, Asasi 1
5	Ms. Nazariah Abdullah <a href="mailto:nazariah@upm.edu.my">nazariah@upm.edu.my</a>	Administrative Assistant	General Office, Asasi 1

6	Mr. Taquiuddin Mohd Jalani <a href="mailto:taquiuddin@upm.edu.my">taquiuddin@upm.edu.my</a>	Assistant Engineer	General Office, Asasi 1
7	Mr. Mohd. Yazid Mukhtar <a href="mailto:m_yazid@upm.edu.my">m_yazid@upm.edu.my</a>	Driver	General Office, Asasi 1
8	Mr. Aminuddin Abdul Wahab <a href="mailto:aminuddinwahab@upm.edu.my">aminuddinwahab@upm.edu.my</a>	Operation Assistant	General Office, Asasi 1
9	Ms. Habibah Mat <a href="mailto:habibamahmat@upm.edu.my">habibamahmat@upm.edu.my</a>	General Assistant	General Office, Asasi 1

### ASSISTANT SCIENCE OFFICERS

No.	Name & Email	Area	Location
1	Mr. Nazaran Mohd Ali <a href="mailto:nazaran@upm.edu.my">nazaran@upm.edu.my</a>	Biology	Asasi 7
2	Ms. Shariena@Amirah Razali <a href="mailto:shariena@upm.edu.my">shariena@upm.edu.my</a>	Biology	Asasi 2
3	Ms. Nurul Ain Abu Kasim <a href="mailto:nurul.ain@upm.edu.my">nurul.ain@upm.edu.my</a>	Biology	Asasi 2
4	Mr. Rashid Mohamed <a href="mailto:rashidm@upm.edu.my">rashidm@upm.edu.my</a>	Chemistry	Asasi 5
5	Mr. Adi Fadzli@Izwan Che Rosele <a href="mailto:adifadzli@upm.edu.my">adifadzli@upm.edu.my</a>	Chemistry	Asasi 6
6	Ms. Syratul Azura Bari <a href="mailto:syaratul@upm.edu.my">syratul@upm.edu.my</a>	Chemistry	Asasi 7
7	Mr. Irzan Effendi Abdul Aziz <a href="mailto:irzan@upm.edu.my">irzan@upm.edu.my</a>	Physics	Asasi 4
8	Ms. Noor Liana Sulaiman <a href="mailto:noorliana@upm.edu.my">noorliana@upm.edu.my</a>	Physics	Asasi 4

## ORGANISATIONAL CHART OF CENTRE OF FOUNDATION STUDIES FOR AGRICULTURAL SCIENCE





## **LYRICS - PUTRA GEMILANG**

UNIVERSITI PUTRA MALAYSIA  
Gedung ilmu menara budi  
Disinilah berhimpun warga siswa  
Menjunjung amanat BERILMU BERBAKTI

Teguh setia mengisi harapan  
Insan bertaqwa penunjang peribadi  
Berpada tenaga mencapai kejayaan  
Sehati sejiwa berhemah tinggi

UNIVERSITI PUTRA MALAYSIA  
Pembina wawasan gemilang  
UNIVERSITI PUTRA MALAYSIA  
Pembentuk siswa cemerlang

Semarak namamu disinar zaman  
Semerbak namamu disuara sanjungan  
Penyumbang bakti ke anak bangsa  
Pewaris sejati negara tercinta

Di damai desa di permai kota  
Tersemat citramu semegah kenangan  
Di darjat bangsa di daulat negara  
Tersurat jasamu menjana kemajuan