



JADUAL WAKTU KURSUS PROGRAM PhD DAN MASTER SAINS (SECARA PENYELIDIKAN) (COURSES OFFERED FOR PhD/ MASTER OF SCIENCE (BY RESEARCH))
SEMESTER KEDUA 2025/2026
(SECOND SEMESTER 2025/2026)
KURSUS YANG DITAWARKAN
(COURSE OFFERED)

Kursus Wajib (Compulsory Course)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CCS5090	Kaedah Penyelidikan dalam Sains Komputer <i>Research Methods in Computer Science</i> (Group 1- Master and PhD by research)	Selasa (Tuesday) 9.00am -12.00pm <i>Seminar Room A, Block A</i>	Prof. Ts. Dr. Nurfadhlina Mohd Sharef nurfadhlina@upm.edu.my

Kursus-kursus lain yang ditawarkan (Other courses offered)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	SSK5200	Pembacaan Terarah dalam Sains Komputer <i>Directed Reading in Computer Science</i>	Rujuk penyelia/penasihat <i>Please refer to the supervisor/advisor</i>	Penyelia/Penasihat <i>Supervisor/Advisor</i>
2.	Kursus yang ditawarkan bagi program Master secara kerja kursus <i>(Course offered for Master by coursework programme)</i>			

Other Requirements

Master of Science

- SPS5999 Master Research – EVERY semester
- SPS5903 Seminar (Research Proposal) – the course **should be registered** at least on or before 2nd semester.

PhD

- SPS6999 Doctoral Research – EVERY semester
- SPS6903 Seminar (Research Proposal) – the course **should be registered** at least on or before 2nd semester.

KURSUS PRASYARAT
(PRE-REQUISITE COURSES)
SEMESTER KEDUA 2025/2026
(SECOND SEMESTER 2025/2026)
KURSUS YANG DITAWARKAN
(COURSE OFFERED)

PhD DAN MASTER SAINS

1) Kursus Teras (Core Courses)

Bil.	Kod Kursus <i>(Course Code)</i>	Tajuk Kursus <i>(Course Title)</i>	Waktu/Bilik Kuliah <i>(Time/Venue)</i>	Pensyarah/Penyelaras <i>(Lecture/Coordinator)</i>
1.	CCS5101	Pengaturcaraan dan Teknik Penyelesaian Masalah <i>Programming and Problem-Solving Techniques</i>	Selasa (<i>Tuesday</i>) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Erzam Marlisah erzam@upm.edu.my

2) Mana-mana dua (2) kursus prasyarat lain mengikut keperluan bidang pengajian dan ditentukan oleh penasihat
Any two (2) other pre-requisite courses as required by the field of study and determined by the advisor

Bil.	Kod Kursus <i>(Course Code)</i>	Tajuk Kursus <i>(Course Title)</i>	Waktu/Bilik Kuliah <i>(Time/Venue)</i>	Pensyarah/Penyelaras <i>(Lecture/Coordinator)</i>
1.	CCS5001	Pangkalan Data <i>Database</i>	Jumaat (<i>Friday</i>) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Noridayu Manshor ayu@upm.edu.my
2.	CCS5003	Seni Bina Komputer <i>Computer Architecture</i>	Rabu (<i>Wednesday</i>) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Prof. Madya Dr. Teh Nuranis binti Mohd Aris nuranis@upm.edu.my
3.	CND5200	Rangkaian Komputer dan Komunikasi <i>Computer Network and Communication</i>	Isnin (<i>Monday</i>) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Fahrul Hakim Huyop@Ayob fahrul@upm.edu.my
4.	SWE5300	Analisis dan Rekabentuk Sistem <i>System Analysis and Design</i>	Khamis (<i>Thursday</i>) 5.00pm - 6.00pm <i>Seminar Room A, Block A</i>	Puan Ainita Ban ainita@upm.edu.my



JADUAL WAKTU KURSUS PROGRAM MASTER SAINS KOMPUTER
(TIMETABLE FOR MASTER OF COMPUTER SCIENCE)
SEMESTER KEDUA 2025/2026
(SECOND SEMESTER 2025/2026)
KURSUS YANG DITAWARKAN
(COURSE OFFERED)

KURSUS PRASYARAT (PRE-REQUISITE COURSES)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CCS5101	Pengaturcaraan dan Teknik Penyelesaian Masalah <i>Programming and Problem-Solving Techniques</i>	Selasa (Tuesday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Erzam Marlisah erzam@upm.edu.my
2.	CCS5001	Pangkalan Data <i>Database</i>	Jumaat (Friday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Noridayu Manshor ayu@upm.edu.my
3.	CCS5003	Seni Bina Komputer <i>Computer Architecture</i>	Rabu (Wednesday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Prof. Madya Dr. Teh Nurani binti Mohd A nuranis@upm.edu.my

KURSUS TERAS (CORE COURSES)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CCS5090	Kaedah Penyelidikan dalam Sains Komputer <i>Research Methods in Computer Science</i> (Group 1- Master and PhD by research)	Selasa (Tuesday) 9.00am -12.00pm <i>Seminar Room A, Block A</i>	Prof. Ts. Dr. Nurfadhline Mohd Sharef nurfadhline@upm.edu.my
2.	CCS5090	Kaedah Penyelidikan dalam Sains Komputer <i>Research Methods in Computer Science</i> (Group 2- Master of Computer Science and Master of Information Security)	Selasa (Tuesday) 6.30-9.30pm <i>Lecture Room 1, Block A</i>	Prof. Madya Dr. Nor Fazlida Mohd Sani fazlida@upm.edu.my

3.	CCS5202	Teknologi Data Raya <i>Big Data Technology</i>	Khamis (<i>Thursday</i>) 6.30-9.30pm <i>Lecture Room 3, Block A</i>	Dr. Siti Nurulain Mohd Rum snurulain@upm.edu.my
4.	CCS5214	Kaedah Empirikal Dalam Sains Komputer <i>Empirical Methods in Computer Science</i>	Selasa (<i>Tuesday</i>) 6.30-9.30pm <i>Abdul Azim Hall, Block A</i>	Dr. Khairul Azhar Kasmiran k_azhar@upm.edu.my
5.	CCS5204	Internet Benda <i>Internet of Things</i>	Jumaat (<i>Friday</i>) 6.30-9.30pm <i>Lecture Room 1, Block A</i>	Prof. Madya. Dr. Thinagaran Perumal thinagaran@upm.edu.my
6.	CCS5600	Pembelajaran Mesin <i>Machine Learning</i>	Khamis (<i>Thursday</i>) 6.30-9.30pm <i>Lecture Room 2, Block A</i>	Dr. Erzam Marlisah erzam@upm.edu.my
7.	SKR5306	Rangkaian Komputer Lanjutan <i>Advanced Computer Networks</i>	Isnin (<i>Monday</i>) 6.30-9.30pm <i>Lecture Room 2, Block A</i>	En. Mohd. Noor Derahman mnoord@upm.edu.my
8.	CCS5500	Keselamatan dalam Pengkomputeran <i>Security in Computing</i>	Rabu (<i>Wednesday</i>) 6.30-9.30pm <i>Lecture Room 3, Block A</i>	Dr. Muhammad Daniel Hafiz Abdullah daniel_hafiz@upm.edu.my
9.	SSK5989/ CCS5990	Disertasi/ Projek <i>Dissertation/ Project</i>	Sila rujuk penyelararas <i>Please refer to the coordinator</i>	Penyelaras / <i>Coordinator</i>

KURSUS ELEKTIF (*ELECTIVE COURSES*)

Bil.	Kod Kursus (<i>Course Code</i>)	Tajuk Kursus (<i>Course Title</i>)	Waktu/Bilik Kuliah (<i>Time/Venue</i>)	Pensyarah/Penyelaras (<i>Lecturer/Coordinator</i>)
1.	CCS5602	Perlombongan Data Masif <i>Massive Data Mining</i>	Khamis (<i>Thursday</i>) 6.30-9.30pm <i>Software Engineering Lab 1, Block B</i>	Gs. Dr Syaifulnizam Abdul Manaf syaifulnizam@upm.edu.my
2.	SSK5606/ CCS5606	Pemprosesan Bahasa Tabii Lanjutan <i>Advanced Natural Language Processing</i>	Isnin (<i>Monday</i>) 6.30-9.30pm <i>Lecture Room 1, Block A</i>	Dr. Nurul Amelina Nasharuddin nurulamelina@upm.edu.my



JADUAL WAKTU KURSUS PROGRAM MASTER KESELAMATAN MAKLUMAT
(TIMETABLE FOR MASTER OF INFORMATION SECURITY)
SEMESTER KEDUA 2025/2026
(SECOND SEMESTER 2025/2026)
KURSUS YANG DITAWARKAN
(COURSE OFFERED)

KURSUS PRASYARAT (PREPREQUISITE COURSE)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CCS5101	Pengaturcaraan dan Teknik Penyelesaian Masalah <i>Programming and Problem-Solving Techniques</i>	Selasa (Tuesday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Erzam Marlisah erzam@upm.edu.my
2.	CCS5001	Pangkalan Data <i>Database</i>	Jumaat (Friday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Noridayu Manshor ayu@upm.edu.my
3.	CCS5003	Seni Bina Komputer <i>Computer Architecture</i>	Rabu (Wednesday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Prof. Madya Dr. Teh Noranis Mohd Aris nuranis@upm.edu.my

KURSUS TERAS (CORE COURSES)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CCS5090	<i>Kaedah Penyelidikan dalam Sains Komputer</i> Research Methods in Computer Science (Group 2- Master of Computer Science and Master of Information Security)	Selasa (Tuesday) 6.30-9.30pm <i>Lecture Room 1, Block A</i>	Prof. Madya Dr. Nor Fazlida Mohd Sani fazlida@upm.edu.my
2.	CCS5500	Keselamatan dalam Pengkomputeran <i>Security in Computing</i>	Rabu (Wednesday) 6.00-9.00pm <i>Lecture Room 3, Block A</i>	Dr. Muhammad Daniel Hafiz Abdullah daniel_hafiz@upm.edu.my

3.	CCS5207	Etika dan Undang-undang Siber <i>Cyber Ethics and Law</i>	Khamis (<i>Thursday</i>) 6.00-9.00pm <i>Abdul Azim Hall, Block A</i>	Dr. Mohd Izuan Hafez Hj Ninggal mohdizuan@upm.edu.my
4.	CCS5991	Projek <i>Project</i>	Sila rujuk penyelaras <i>Please refer to the coordinator</i>	Penyelaras / Coordinator

KURSUS ELECTIVE (*ELECTIVE COURSES*)

Bil.	Kod Kursus (<i>Course Code</i>)	Tajuk Kursus (<i>Course Title</i>)	Waktu/Bilik Kuliah (<i>Time/Venue</i>)	Pensyarah/Penyelaras (<i>Lecturer/Coordinator</i>)
1.	CCS5509	Pengkomputeran Terpercaya <i>Trusted Computing</i>	Isnin (<i>Monday</i>) 6.00-9.00pm <i>Software Engineering Lab 1, Block B</i>	Dr. Mohd Yunus Sharum m_yunus@upm.edu.my
2.	CCS5537	<i>Teknologi Blok Rantai</i> <i>Blockchain Technology</i>	Selasa (<i>Tuesday</i>) 6.30-9.30pm <i>Lecture Room 2, Block A</i>	Dr. Normalia Samian normalia@upm.edu.my



JADUAL WAKTU KURSUS MASTER KEJURUTERAAN PERISIAN
(TIMETABLE FOR MASTER OF SOFTWARE ENGINEERING)
SEMESTER KEDUA 2025/2026
(SECOND SEMESTER 2025/2026)
KURSUS YANG DITAWARKAN
(COURSE OFFERED)

KURSUS PRASYARAT (PREPREQUISITE COURSE)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	SWE5300	Analisis dan Rekabentuk Sistem <i>System Analysis and Design</i>	Khamis (<i>Thursday</i>) 5.00pm - 6.00pm <i>Seminar Room A, Block A</i>	Puan Ainita Ban ainita@upm.edu.my
2.	CCS5101	Pengaturcaraan dan Teknik Penyelesaian Masalah <i>Programming and Problem-Solving Techniques</i>	Selasa (<i>Tuesday</i>) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Erzam Marlisah erzam@upm.edu.my
3.	CCS5001	Pangkalan Data <i>Database</i>	Jumaat (<i>Friday</i>) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Noridayu Manshor ayu@upm.edu.my

KURSUS TERAS (CORE COURSES)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	SWE5207	Model dan Kaedah Kejuruteraan Perisian <i>Software Engineering Models and Methods</i>	Isnin (<i>Monday</i>) 6.30pm - 9.30pm <i>Lecture Room 3, Block A</i>	Ts. Dr. Muhamad Sufri Muhammad sufry@upm.edu.my
2.	SWE5206	Pengukuran Perisian <i>Software Measurement</i>	Selasa (<i>Tuesday</i>) 6.30pm - 9.30pm <i>Lecture Room 3, Block A</i>	Prof. Madya Dr. Hazura Zulzalil hazura@upm.edu.my

3.	SWE5304	Pengujian Perisian <i>Software Testing</i>	Rabu (<i>Wednesday</i>) 6.30pm - 9.30pm <i>Lecture Room 1, Block A</i>	Dr. Pathiah Abdul Samat pathiah@upm.edu.my
4.	SWE5091	Kaedah Penyelidikan Empirik bagi Kejuruteraan Perisian <i>Empirical Research Methods for Software Engineering</i>	Khamis (<i>Thursday</i>) 6.30pm - 9.30pm <i>Lecture Room 1, Block A</i>	Prof. Madya Dr. Masrah Azrifah Azmi Murad masrah@upm.edu.my
5.	SSE5991/ SWE5991	Projek <i>Project</i>	Sila rujuk penyelaras <i>Please refer to the coordinator</i>	Penyelaras/ <i>Coordinator</i>

KURSUS ELEKTIVE (*ELECTIVE COURSES*)

Bil.	Kod Kursus (<i>Course Code</i>)	Tajuk Kursus (<i>Course Title</i>)	Waktu/Bilik Kuliah (<i>Time/Venue</i>)	Pensyarah/Penyelaras (<i>Lecturer/Coordinator</i>)
1.	SWE5301	Reka Bentuk Pengalaman Pengguna <i>User Experience Design</i>	Jumaat (<i>Friday</i>) 6.30pm - 9.30pm <i>Lecture Room 3, Block A</i>	Dr. Azrina Kamaruddin azrina@upm.edu.my
2.	SWE5208	Kejuruteraan Keselamatan Perisian <i>Software Security Engineering</i>	Jumaat (<i>Friday</i>) 6.30pm - 9.30pm <i>Lecture Room 2, Block A</i>	Ts. Dr. Mohd Hafeez Osman hafeez@upm.edu.my



JADUAL WAKTU KURSUS PROGRAM MASTER RANGKAIAN KOMPUTER
(TIMETABLE FOR MASTER IN COMPUTER NETWORK PROGRAM)
SEMESTER KEDUA 2025/2026
(SECOND SEMESTER 2025/2026)
KURSUS YANG DITAWARKAN
(COURSE OFFERED)

Kursus Prasyarat (Pre-requisite Course)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CND5200 (P)	Rangkaian Komputer dan Komunikasi <i>Computer Network and Communication</i>	Isnin (Monday) 5.00-6.00pm <i>Seminar Room A, Block A</i>	Dr. Fahrul Hakim Huyop@Ayob fahrul@upm.edu.my

Kursus Teras (Core Courses)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CND5090	Kaedah Penyelidikan dalam Rangkaian Komputer <i>Research Methods in Computer Network</i>	Jumaat (Friday) 6.30-9.30pm <i>Seminar Room A, Block A</i>	Assoc. Prof. Dr. Zurina Mohd. Hanapi zurinamh@upm.edu.my
2.	CND5309	Teknologi Komunikasi dan Rangkaian <i>Communication Technology and Networks</i>	Isnin (Monday) 6.30-9.30pm <i>Seminar Room A, Block A</i>	Mr. Ahmad Alauddin Ariffin alauddin@upm.edu.my
3.	CND5406	Seni Bina Pengkomputeran Awan <i>Cloud Computing Architecture</i>	Selasa (Tuesday) 6.30-9.30pm <i>Seminar Room A, Block A</i>	Assoc. Prof. Dr. Rohaya Latip rohayalt@upm.edu.my
4.	SKR5501/ CND5502	Performance Modeling of Communication Networks <i>Pemodelan Prestasi Rangkaian Komunikasi</i>	Khamis (Thursday) 6.30-9.30pm <i>Seminar Room A, Block A</i>	Dr. Idawaty Ahmad idawaty@upm.edu.my
5.	CND5988	Projek <i>Project</i>	Sila rujuk penyelaras <i>Please refer to the coordinator</i>	Penyelaras / <i>Coordinator</i>

Kursus Elektif (*Elective courses*)

Bil.	Kod Kursus (Course Code)	Tajuk Kursus (Course Title)	Waktu/Bilik Kuliah (Time/Venue)	Pensyarah/Penyelaras (Lecturer/Coordinator)
1.	CND5407	Perangkaian Tentuan Perisian <i>Software Defined Networking</i>	Rabu (<i>Wednesday</i>) 6.30-9.30pm <i>Seminar Room A, Block A</i>	Assoc. Prof. Dr. Azizol Abdullah azizol@upm.edu.my