JADUAL WAKTU KURSUS PROGRAM PhD DAN MASTER SAINS (SECARA PENYELIDIKAN)

(COURSES OFFERED FOR PhD/ MASTER OF SCIENCE (BY RESEARCH))

SEMESTER PERTAMA 2023/2024

(FIRST SEMESTER 2023/2024)

KURSUS YANG DITAWARKAN

(COURSE OFFERED)

Bil.	**Kod Kursus** ***(Course Code)***	**Tajuk Kursus** ***(Course Title)***	**Waktu/Bilik Kuliah** ***(Time/Venue)***	**Pensyarah/Penyelaras (Lecturer/Coordinator)**
1.	SSK5090	Kaedah Penyelidikan dalam Sains Komputer Research Methods in Computer Science **(Group 1- Master and PhD by research)**	Rabu *Wednesday* 9.00-12.00pm Bilik Seminar A, Blok A *Seminar Room A*	Prof. Dr. Hamidah Ibrahim hamidah@upm.edu.my
2.	SSK5200	Pembacaan Terarah dalam Sains Komputer *Directed Reading in Computer Science*	Rujuk penyelia/penasihat *Please refer to the supervisor/advisor*	Penyelia/Penasihat *Supervisor/Advisor*

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.

JADUAL WAKTU KURSUS PROGRAM SAINS KOMPUTER
(FOR MASTER OF COMPUTER SCIENCE)
SEMESTER PERTAMA 2023/2024
(FIRST SEMESTER 2023/2024)
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.	SSE5101(P)	Pengaturcaraan dan Penyelesaian Masalah Berasaskan Komputer *Programming and Computer-based Problem Solving*	Selasa *Tuesday* 6.30-9.30pm Makmal Kejuruteraan Perisian 1, Blok B *Software Engineering Lab 1*	Dr. Erzam Bin Marlisah erzam@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.	SSK5090	Kaedah Penyelidikan dalam Sains Komputer *Research Methods in Computer Science* (**Group 1**- **Master and PhD by research**)	Rabu *Wednesday* 9.00-12.00pm Bilik Seminar A, Blok A *Seminar Room A*	Prof. Dr. Hamidah Ibrahim hamidah@upm.edu.my
2.	SSK5090	Kaedah Penyelidikan dalam Sains Komputer *Research Methods in Computer Science* (**Group 2**- **Master of Computer Science and Master of Information Security)**	Rabu *Wednesday 6.30-9.30pm* Dewan Abdul Azim, Blok A *Abdul Azim Hall*	Prof. Ts. Dr. Rusli Abdullah rusli@upm.edu.my
3.	SSK5221	Internet Benda Internet of Things	Selasa Tuesday 6.30-9.30pm Bilik Kuliah 1, Blok A *Lecture Room 1*	Prof. Madya Dr. Thinagaran Perumal thinagaran@upm.edu.my
4.	SSK5212	Teknologi Data Raya Big Data Technology	Khamis Thursday 6.30-9.30pm Bilik Kuliah 2, Blok A *Lecture Room 2*	Dr. Khairul Azhar Kasmiran k_azhar@upm.edu.my

5.	SKR5306	Rangkaian Komputer Lanjutan Advanced Computer Network	Jumaat Friday 6.30-9.30pm Dewan Abdul Azim, Blok A *Abdul Azim Hall*	Prof. Dato' Dr. Shamala K. Subramaniam shamala_ks@upm.edu.my
7.	SSK5989	Disertasi Dissertation	Sila rujuk penyelaras *Please refer to the coordinator*	Penyelaras / Coordinator

KURSUS ELEKTIF *(ELECTIVE COURSES)*

Bil.	**Kod Kursus** ***(Course Code)***	**Tajuk Kursus** ***(Course Title)***	**Waktu/Bilik Kuliah** ***(Time/Venue)***	**Pensyarah/Penyelaras (Lecturer/Coordinator)**
1.	SSK5220	*Permodelan Sistem Siber Fizikal* *Cyber Physical System Modeling*	Isnin *Monday 6.30-9.30pm* Dewan Abdul Azim, Blok A *Abdul Azim Hall*	Ts. Dr. Raihani Mohamed raihanimohamed@upm.edu.my
	SSK5251	*Analisis Data dan Pentaabiran Statistik* *Data Analysis and Statistical Inference*	Selasa Tuesday 6.30.9.30pm *Dewan Abdul Azim, Blok A* *Abdul Azim Hall*	Prof Madya Ts. Dr. Iskandar Ishak iskandar_i@upm.edu.my

JADUAL WAKTU KURSUS PROGRAM KESELAMATAN MAKLUMAT
(FOR MASTER OF INFORMATION SECURITY)
SEMESTER PERTAMA 2023/2024
(FIRST SEMESTER 2023/2024)
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.	SSE5101(P)	Pengaturcaraan dan Penyelesaian Masalah Berasaskan Komputer *Programming and Computer-based Problem Solving*	Selasa *Tuesday* 6.30-9.30pm Makmal Kejuruteraan Perisian 1, Blok B *Software Engineering Lab 1*	Dr. Erzam Bin Marlisah erzam@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.	SSK5506/ SSK5501*	Pengurusan Keselamatan Maklumat *Information Security Management*	Isnin/*Monday* 6.00-9.00 pm Bilik Kuliah 1, Blok A *Lecture Room 1*	Assoc. Prof. Ts. Dr. Nur Izura Udzir izura@upm.edu.my
2.	SSK5500	Keselamatan dalam Pengkomputeran *Security in Computing*	Selasa/*Tuesday* 6.00-9.00 pm *Bilik Kuliah 3, Blok A* *Lecture Room 3*	Dr. Noor Afiza Mohd Ariffin noorafiza@upm.edu.my
3.	SSK5090	*Kaedah Penyelidikan dalam Sains Komputer* *Research Methods in Computer Science* **(Group 2 - Master of Computer Science and Master of Information Security)**	*Rabu* *Wednesday 6.30-9.30pm* *Dewan Abdul Azim, Blok A* *Abdul Azim Hall*	Prof. Dr. Rusli Abdullah rusli@upm.edu.my
4.	SSK5980	Seminar dalam Sains Komputer* *Seminar in Computer Science**	Rabu/Wednesday 5.30-6.30 pm Bilik Kuliah 1, Blok A *Lecture Room 1*	Penyelaras / Coordinator ifah@upm.edu.my

5.	SSK5505	Keselamatan Internet dan Pengkomputeraan Awan *Internet and Cloud Computing Security*	Khamis/*Thursday* 6.00-9.00 pm Bilik Kuliah 3, Blok A *Lecture Room 3*	Dr. Muhammad Daniel Hafiz Bin Abdulla daniel_hafiz@upm.edu.my
6.	SSK5508	Forensik komputer dan Penyiasatan *Computer Forensic and Investigation*	Jumaat/*Friday* 6.00-9.00 pm Bilik Seminar A, Blok A *Seminar Room A*	Dr. Mohd Izuan Hafez Bin Hj Ninggal mohdizuan@upm.edu.my
7.	SSK5990/ SSK5991	Projek *Project*	Sila rujuk penyelaras *Please refer to the coordinator*	Penyelaras / Coordinator

KURSUS ELEKTIF *(ELECTIVE COURSES)*

Bil.	**Kod Kursus** ***(Course Code)***	**Tajuk Kursus** ***(Course Title)***	**Waktu/Bilik Kuliah** ***(Time/Venue)***	**Pensyarah/Penyelaras (Lecturer/Coordinator)**
1.	SSK5504*/ SSK5511	Keselamatan Perisian *Software Security*	Rabu/*Wednesday* 6.30-9.30 pm Bilik Kuliah 3, Blok A *Lecture Room 3*	Dr. Aziah Asmawi a_aziah@upm.edu.my

*only for student who register before first semester 2023/2024

JADUAL WAKTU KURSUS PROGRAM KEJURUTERAAN PERISIAN
(FOR MASTER OF SOFTWARE ENGINEERING)
SEMESTER PERTAMA 2023/2024
(FIRST SEMESTER 2023/2024)
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.	SSE5101(P)	Pengaturcaraan dan Penyelesaian Masalah Berasaskan Komputer *Programming and Computer-based Problem Solving*	Selasa *Tuesday* 6.30-9.30pm Makmal Kejuruteraan Perisian 1, Blok B *Software Engineering Lab 1*	Dr. Erzam Bin Marlisah erzam@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.	SSE5091	Kaedah Penyelidikan Empirik bagi Kejuruteraan Perisian *Empirical Research Methods for Software Engineering*	Isnin *Monday* 6.00-9.00pm Bilik Kuliah 2, Blok A *Lecture Room 2*	Prof. Madya. Dr. Hazura Zulzalil hazura@upm.edu.my
2.	SSE5203	Pengurusan Projek bagi Pembinaan Perisian *Project Management for Software Construction*	Selasa *Tuesday* 6.30-9.30pm Bilik Seminar A, Blok A *Seminar Room A*	Dr. Salfarina Abdullah salfarina@upm.edu.my
3.	SSE5204	Metodologi Pembangunan Perisian *Software Development Methodology*	Khamis *Thursday* 6.30-9.30pm Bilik Seminar A, Blok A *Seminar Room A*	Ts. Dr. Muhamad Sufri Muhammad sufry@upm.edu.my
4.	SSE5302	Kejuruteraan Keperluan *Requirements Engineering*	Rabu *Wednesday* 6.30-9.30pm Bilik Kuliah 2, Blok A *Lecture Room 2*	Prof. Madya Dr. Noraini Che Pa norainip@upm.edu.my

5.	SSE5980	Seminar dalam Kejuruteraan Perisian *Seminar in Software Engineering*	Isnin *Monday* 6.30-7.30pm Bilik Kuliah 3, Blok A *Lecture Room 3*	Penyelaras / Coordinator novia@upm.edu.my
6.	SSE5988	Projek *Project*	Sila rujuk penyelaras *Please refer to the coordinator*	Penyelaras / Coordinator
7.	SSE5991	Projek *Project*	Sila rujuk penyelaras *Please refer to the coordinator*	Penyelaras / Coordinator

KURSUS TERAS *(CORE COURSES)*

Bil.	**Kod Kursus *(Course Code)***	**Tajuk Kursus *(Course Title)***	**Waktu/Bilik Kuliah *(Time/Venue)***	**Pensyarah/Penyelaras (Lecturer/Coordinator)**
1.	SSE5209	Kecerdasan Buatan dalam Kejuruteraan Perisian *Artificial Intelligence in Software Engineering*	Jumaat *Friday* 6.30-9.30pm Bilik Kuliah 3, Blok A *Lecture Room 3*	Ts. Dr. Mohd Hafeez Osman hafeez@upm.edu.my
2.	SSE5402	Kejuruteraan Perisian Masa Nyata *Real-Time Software Engineering*	Jumaat *Friday* 6.30-9.30pm Bilik Kuliah 2, Blok A *Lecture Room 2*	Ts. Dr. Khaironi Yatim Sharif khaironi@upm.edu.my
3.	SSK5504*	Keselamatan Perisian *Software Security*	Rabu/*Wednesday* 6.30-9.30 pm Bilik Kuliah 3, Blok A *Lecture Room 3*	Dr. Aziah Asmawi a_aziah@upm.edu.my

*only for student who register before first semester 2022/2023

JADUAL WAKTU KURSUS PROGRAM RANGKAIAN KOMPUTER
(FOR MASTER IN COMPUTER NETWORK)
SEMESTER PERTAMA 2023/2024
(FIRST SEMESTER 2023/2024)
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.	CNS3200(P)	Komputer Rangkaian dan Komunikasi *Computer Network and Communication*	Isnin *Monday* 6.00-9.00pm Makmal Rangkaian, Blok B *Network Lab*	Dr. Shafinah Kamarudin shafinah@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.	SKR5090	Kaedah Penyelidikan dalam Rangkaian Komputer *Research Methods in Computer Networks*	Isnin *Monday* 6.30-9.30pm Bilik Seminar A, Blok A *Seminar Room A*	Prof. Ts. Dr. Zuriati Zukarnain zuriati@upm.edu.my
2.	SKR5307	Teknologi Komunikasi dan Rangkaian *Communication Technology and Networks*	Jumaat *Friday* 6.30-9.30pm Makmal Rangkaian, Blok B *Network Lab*	Mr. Ahmad Alauddin Ariffin alauddin@upm.edu.my
3.	SKR5406	Seni Bina Pengkomputeran Awan *Cloud Computing Architecture*	Khamis *Thursday* 6.30-9.30pm Bilik Kuliah 1, Blok A *Lecture Room 1*	Mr. Mohd. Nor Derahman mnoord@upm.edu.my
4.	SKR5988	Disertasi *Disertation*	Sila rujuk penyelaras / *Please refer to the coordinator*	Penyelaras / *Coordinator* masnida@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.	SKR5308	Sistem Masa Nyata *Real Time Systems*	Rabu *Wednesday* 6.30-9.30pm Bilik Seminar A, Blok A Seminar Room A	Ts. Dr. Amir Rizaan Abdul Rahiman amir_r@upm.edu.my
2.	SKR5407	Perangkaian Tentuan Perisian *Software Defined Network*	Selasa *Tuesday* 6.30-9.30pm *Bilik Kuliah 2, Blok A* *Lecture Room 2*	Assoc. Prof. Dr. Azizol Abdullah azizol@upm.edu.my