Sesi Akademik *Academic Session*	2018/2019
Semester/Penggal *Semester/Term*	2
Kod Kursus *Course Code*	WQD7010
Tajuk Kursus *Course Title*	Rangkaian & Keselamatan Network & Security
Bahasa Pengantar *Medium of Instruction*	Bahasa Inggeris English
Rujukan Utama *Main Reference*	1. William Stallings, Network Security Essentials: Applications and Standards (4th Edition). Prentice Hall; 6th Edition, 2017 2. William Stallings, Cryptography and Network Security: Principles and Practices. Prentice Hall; 4th Edition, 2005
Strategi Pembelajaran *Learning Strategies*	Kuliah, Tutorial dan Makmal *Lecture, Tutorial and Lab*
Masa Pembelajaran Pelajar *Student Learning Time*	Bersemuka / *Face to face* : 71 Tidak Bersemuka / *Non Face to face*: 0 Masa Persediaan Pelajar / *Student Preparation Time*: 89
Kemahiran Boleh Pindah Transferable Skills	Kemahiran mengkonfigurasi rangkaian & keselamatan *Network & Security Configuration Skill*
Pensyarah / *Lecturer* Bilik / *Room* Telefon/e-mel *Telephone/e-mail*	Dr. Saaidal Razalli Bin Azzuhri B-2-14 037967 7022 ext 2507 / saaidal@um.edu.my
Sesi Kuliah / *Lecture Session:* Hari/Masa / *Day/Time* Tempat / *Venue*	Rujuk jadual waktu *Refer to time table*
Sesi Tutorial/Amali: *Tutorial/Practical Session:* Hari/Masa / *Day/Time* Tempat / *Venue*	Rujuk jadual waktu *Refer to time table*
Perincian Pemberatan Penilaian *Detail of Assessment Weightage*	Peperiksaan Akhir/ *Final Examination*: (50%) Minggu 16 - 18 Penilaian Berterusan / *Continuous Assessment* : Ujian Pertengahan Semester (20%) (Minggu 8) Laporan Tugasan 1 1 (5%) (Minggu 3) Laporan Tugasan 2 (5%) (Minggu 5) Laporan Tugasan 3 (5%) (Minggu 7) Laporan Tugasan Berkumpulan (15%) (Minggu 14)

Jadual Pengajaran / *Teaching Schedule*

Minggu *Week*	Topik & Aktiviti *Topic & Activities*	Rujukan *References*
1	Pengenalan kepada Rangkaian dan Keselamatan *Introduction to Network and Security* Tutorial 1 / *Tutorial 1*	Pro Forma dan maklumat kursus *Course proforma and course information* Buku Rujukan / *Reference Book* 1 Nota Kuliah / *Lecture Note*
2	Penyulitan Symmetri dan Kerahsiaan Mesej *Symmetric Encryption and Message Confidentiality* Tutorial 2 / *Tutorial 2*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
3	Kriptografi Kunci Awam dan Pengesahan Mesej *Public Key Cryptography and Message Authentication* Tutorial 3 / *Tutorial 3*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
4	Pengedaran Kunci dan Pengesahan Pengguna *Key Distribution and User Authentication*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
5	Kawalan Akses Rangkaian dan Keselamatan Awan *Network Access Control and Cloud Security* Tutorial 4 / *Tutorial 4*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
6	Keselematan Rangkaian Tanpa Wayar *Wireless Network Security*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
7	Perisian Merbahaya *Malicious Software* Tutorial 5 / *Tutorial 5*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*

8	Ujian Pertengahan Semester *Mid-Term Test*	
9	Penceroboh *Intruders*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
10	Tembok Api *Firewalls* Tutorial 6 / *Tutorial 6*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
11	Keselamatan IP *IP Security*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
12	Keselamatan Tahap pengangkutan *Transport Level Security* Penceramah Jemputan Industri *Industrial Talk by Industrial Expert*	Buku Rujukan / *Reference Book* Nota Kuliah / *Lecture Note*
13	Makmal *Lab*	
14	Persembahan Tugasan Kumpulan Penghantaran Laporan Tugasan	