

COURSE TITLE	ADVANCED TOPICS IN COMPUTER NETWORKING ( <i>Topik Lanjutan dalam Rangkaian Komputer</i> )		
COURSE CODE	TMN4093		
CREDIT	3		
PREREQUISITE/S	TMF1254 Communication and Computer Network		
SYNOPSIS	<p>This course cover a broad range of advanced networking and computer system topics, including network protocols, routing, network management, traffic management, and emerging networking technologies.</p> <p>(<i>Topik kursus ini merangkumi pelbagai aspek kemajuan terkini dalam bidang rangkaian dan sistem komputer. Topik-topik ini termasuk protokol rangkaian, routing, pengurusan rangkaian, pengurusan trafik, penyimpanan data serta teknologi-teknologi terkini dalam dunia rangkaian dan sistem komputer.</i>)</p>		
LEARNING OUTCOMES	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>o Evaluate the issues and needs of the current updates in computer networking. [C6]</li> <li>o Adapt the knowledge on the latest development in both software and hardware components for computer systems and networks then optimize the related processes. [P6]</li> <li>o Identify and value the needs of the latest development in providing better solution towards the computer related system and network. [A5]</li> <li>o Equip themselves with the latest development and alert with the changes in the related field. [CS8, CT4, LL3]</li> </ul>		
STUDENT LEARNING HOURS		Guided LHs	Self LHs
	Lectures	14	14
	Student-Centered Learning	28	50
	Continuous Assessment	2	4
	Final Examination/Assessment	2	4
	<b>Sub-Total</b>	<b>46</b>	<b>72</b>
	<b>Total</b>	<b>118 Hours</b>	

LEARNING UNITS		<u>Guided LHs</u>
	1. Wireless Network Technologies	6
	2. Network Communication Technologies	6
	3. Mobile Computing Technologies	6
	4. Internet Technologies	6
	5. Future Emerging Technologies	4
	<b>Total</b>	<b>28</b>
ASSESSMENT		
	Participation	10 %
	Assignment	20 %
	Project	40 %
	Final Exam	30 %
	<b>Total</b>	<b>100 %</b>
REFERENCES		
	1. Latest and relevant research papers and references.	

*Last updated: 10/11/2016 2:58 PM*