



UNIVERSITI TEKNOLOGI MARA

ITT450: INFORMATION AND NETWORK SECURITY

Course Name (English)	INFORMATION AND NETWORK SECURITY APPROVED				
Course Code	ITT450				
MQF Credit	3				
Course Description	This course introduces the students about knowledge and skills to identify threat and participate in prevent network security; provide secure infrastructure, secure application, operational, and information security. This course apply security controls to maintain confidentiality, integrity, and availability; identify appropriate technologies and products; troubleshoot security events and incidents; and operate with an awareness of applicable policies, laws, and regulations. This course apply security controls to maintain confidentiality, integrity, and availability; identify appropriate technologies and products; troubleshoot security events and incidents; and operate with an awareness of applicable policies, laws, and regulations.				
Transferable Skills	Practical Skills, Cognitive Skill and Ethics and Professionalism				
Teaching Methodologies	Lectures, Lab Work, Project-based Learning				
CLO	CLO1 Perform practical skills in tasks related to concept and privacy issues in designing secure networks. CLO2 Analyse issues in security mechanisms, security policies and security components to secure networks. CLO3 Adhere with ethical issues in tasks related to information and network security.				
Pre-Requisite Courses	No course recommendations				
Reading List	<table border="1"><tr><td>Recommended Text</td><td>• Mark Ciampa 2020, <i>CompTIA Security+ Guide to Network Security Fundamental</i>, 7th Ed., CompTIA® Security [ISBN: 978-035742437]</td></tr><tr><td>Reference Book Resources</td><td>• Mark Ciampa 2018, <i>Security+ Guide to Network Security Fundamentals</i>, 6 Edition, 6 Ed., CompTIA® Security+ [ISBN: WCN 02-200-20] • Lee Brotherston, Amanda Berlin 2017, <i>CompTIA® Defensive Security Handbook: Best Practices for Securing Infrastructure</i>, 1st Ed. [ISBN: 978-149196038] • Jason Andress 2019, <i>Foundations of Information Security</i>, No Starch Press San Francisco, United States [ISBN: 1718500041] • William Stallings 2016, <i>Network Security Essentials: Applications and Standards</i>, Pearson Education Limited [ISBN: 978-013452733]</td></tr></table>	Recommended Text	• Mark Ciampa 2020, <i>CompTIA Security+ Guide to Network Security Fundamental</i> , 7th Ed., CompTIA® Security [ISBN: 978-035742437]	Reference Book Resources	• Mark Ciampa 2018, <i>Security+ Guide to Network Security Fundamentals</i> , 6 Edition, 6 Ed., CompTIA® Security+ [ISBN: WCN 02-200-20] • Lee Brotherston, Amanda Berlin 2017, <i>CompTIA® Defensive Security Handbook: Best Practices for Securing Infrastructure</i> , 1st Ed. [ISBN: 978-149196038] • Jason Andress 2019, <i>Foundations of Information Security</i> , No Starch Press San Francisco, United States [ISBN: 1718500041] • William Stallings 2016, <i>Network Security Essentials: Applications and Standards</i> , Pearson Education Limited [ISBN: 978-013452733]
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Article/Paper List	This Course does not have any article/paper resources				
Other References	• Book Chris Sanders 2011, <i>Practical Packet Analysis: Using Wireshark to Solve Real-World Network Problems</i>				