



UNIVERSITI TEKNOLOGI MARA

ISP550: INFORMATION SYSTEMS ENGINEERING

Course Name (English)	INFORMATION SYSTEMS ENGINEERING APPROVED				
Course Code	ISP550				
MQF Credit	3				
Course Description	This course focuses on determining customers' needs and required functionalities and other phases in the development life-cycle with the goal of providing quality web-based systems. Besides, it also emphasizes on modelling, documenting and validating requirements as well as deployment of the system through a stringent process.				
Transferable Skills	Critical thinking and problem solving skills				
Teaching Methodologies	Lectures, Discussion				
CLO	CLO1 Describe the activities of information systems development process CLO2 Perform requirements elicitation and documentation using appropriate techniques CLO3 Demonstrate information systems development stages through prototype				
Pre-Requisite Courses	No course recommendations				
Reading List	<table border="1"><tr><td>Recommended Text</td><td>• Joe Valacich, Joseph S. Valacich, Joey George 2019, <i>Modern Systems Analysis and Design</i>, 9 Ed., Pearson [ISBN: 9780135172759]</td></tr><tr><td>Reference Book Resources</td><td>• Tilley, S 2019, <i>Systems Analysis and Design</i>, 12 Ed., Cengage Learning [ISBN: 978-035711781] • Dennis, A 2018, <i>Systems Analysis and Design</i>, Wiley [ISBN: 978-111949650] • Wallace, P 2017, <i>Introduction to Information Systems: People, Technology and Processes</i>, 3 Ed., Pearson [ISBN: 978-013463519] • Pearlson, K.E 2019, <i>Managing and Using Information Systems: A Strategic Approach</i>, 7 Ed., Wiley [ISBN: 978-111956056] • Satzinger 2016, <i>Systems Analysis and Design in a Changing World</i>, 7 Ed., 14, Cengage [ISBN: 9781305117204] • Alan Dennis, Barbara Wixom, David Tegarden 2020, <i>Systems Analysis and Design</i>, 6 Ed., John Wiley & Sons [ISBN: 9781119559917] • Kenneth E. Kendall, Julie E Kendall, <i>Systems Analysis and Design, Global Edition</i>, 10 Ed. [ISBN: 9781292281452] • Martina Seidl, Marion Scholz, Christian Huemer, Gerti Kappel 2015, <i>UML @ Classroom: An Introduction to Object-Oriented Modelling</i>, Springer [ISBN: 9783319127415]</td></tr></table>	Recommended Text	• Joe Valacich, Joseph S. Valacich, Joey George 2019, <i>Modern Systems Analysis and Design</i> , 9 Ed., Pearson [ISBN: 9780135172759]	Reference Book Resources	• Tilley, S 2019, <i>Systems Analysis and Design</i> , 12 Ed., Cengage Learning [ISBN: 978-035711781] • Dennis, A 2018, <i>Systems Analysis and Design</i> , Wiley [ISBN: 978-111949650] • Wallace, P 2017, <i>Introduction to Information Systems: People, Technology and Processes</i> , 3 Ed., Pearson [ISBN: 978-013463519] • Pearlson, K.E 2019, <i>Managing and Using Information Systems: A Strategic Approach</i> , 7 Ed., Wiley [ISBN: 978-111956056] • Satzinger 2016, <i>Systems Analysis and Design in a Changing World</i> , 7 Ed., 14, Cengage [ISBN: 9781305117204] • Alan Dennis, Barbara Wixom, David Tegarden 2020, <i>Systems Analysis and Design</i> , 6 Ed., John Wiley & Sons [ISBN: 9781119559917] • Kenneth E. Kendall, Julie E Kendall, <i>Systems Analysis and Design, Global Edition</i> , 10 Ed. [ISBN: 9781292281452] • Martina Seidl, Marion Scholz, Christian Huemer, Gerti Kappel 2015, <i>UML @ Classroom: An Introduction to Object-Oriented Modelling</i> , Springer [ISBN: 9783319127415]
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