

ITM 301 RUBRIC**ITM 301 Introduction to Contemporary Operating Systems and Hardware I**

Students may be scored on a scale of 1 to 5; scores of 2 and 4 may be interpolated.

Program Educational Objectives				
Objective	Score ►	5	3	1
<i>Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals.</i>		The student is consistently able to solve problems and create innovative technology solutions for defined problems	The student is generally able to solve problems and create innovative technology solutions for defined problems, but this may not be consistent	The student is unable to create technology solutions for defined problems
Course student outcomes				
Upon completion of this course the student should be able to do the following:				
Outcome	Score ►	5	3	1
<i>Recall and discuss the history of modern computing and the Internet</i>		The student is able to recall and discuss the history of modern computing and the Internet accurately and in detail	The student is able to recall and discuss some history of modern computing and the Internet with occasional omissions	The student is unable to recall and discuss the history of modern computing and the Internet
<i>Describe fundamental concepts of electricity</i>		The student is able to describe fundamental concepts of electricity accurately and in detail	The student is able to describe fundamental concepts of electricity with some omissions or inaccuracies	The student is unable to describe fundamental concepts of electricity
<i>Explain the operation and employment of power supplies</i>		The student is able to explain the operation and employment of power supplies accurately and in detail	The student is basically able to explain the operation and employment of power supplies with some omissions or inaccuracies	The student is unable to explain the operation and employment of power supplies
<i>Recall and describe the components of a computer</i>		The student is able to recall and describe the components of a computer accurately & in detail	The student is able to recall and describe the components of a computer with some omissions or inaccuracies	The student is unable to recall and describe the components of a computer
<i>Explain the functioning of processors</i>		The student is able to explain the functioning of processors accurately and in detail	The student is able to explain the functioning of processors with some omissions or inaccuracies	The student is unable to explain the functioning of processors
<i>Describe the purpose and operation of motherboards, buses, system architecture, and memory</i>		The student is able to describe the purpose and operation of motherboards, buses, system architecture, and memory accurately and in detail	The student is able to describe the purpose and operation of motherboards, buses, system architecture, and memory with some omissions or inaccuracies	The student is unable to describe the purpose and operation of motherboards, buses, system architecture, and memory
<i>Explain the role and operation of storage, monitors, and other peripherals</i>		The student is able to explain the role and operation of storage, monitors, and other peripherals accurately and in detail	The student is able to explain the role and operation of storage, monitors, and other peripherals with some omissions or inaccuracies	The student is unable to explain the role and operation of storage, monitors, and other peripherals
<i>Assemble a computer from a set of components</i>		The student is able to assemble a fully functioning computer from a set of components	The student is able to assemble a computer from a set of components with some prompts or assistance	The student is unable to assemble a computer from a set of components
<i>Demonstrate methods for troubleshooting hardware</i>		The student is consistently able to demonstrate and apply methods for troubleshooting hardware	The student is able to apply methods for troubleshooting hardware with some assistance	The student is not able to troubleshoot hardware
<i>Describe fundamental concepts of networking including physical media, devices, protocols, standards</i>		The student is able to describe fundamental concepts of networking accurately and in detail	The student is able to describe fundamental concepts of networking with some omissions or inaccuracies	The student is unable to describe fundamental concepts of networking
<i>Explain and demonstrate the installation and basic configuration of an operating system</i>		The student is able to install and properly configure an operating system	The student is able to install and configure an operating system with some prompts or assistance	The student is not able to install and configure an operating system
<i>Explain and use operating system utilities</i>		The student is able to explain operating system utilities accurately and in detail and use them properly	The student is able to explain operating system utilities with some omissions or inaccuracies and use them adequately	The student is unable to explain or use operating system utilities
<i>Describe cloud computing concepts</i>		The student is able to describe cloud computing concepts accurately and in detail	The student is able to describe cloud computing concepts with some omissions or inaccuracies	The student is unable to describe cloud computing concepts
<i>Recall and describe laws, regulations, and compliance frameworks that affect IT professionals</i>		The student is able to recall and describe laws, regulations, and compliance frameworks accurately and in detail	The student is able to recall and describe laws, regulations, and compliance frameworks with some omissions or inaccuracies	The student is unable to recall and describe laws, regulations, and compliance frameworks
<i>Discuss current events in computing, especially related to security.</i>		The student is consistently able and prepared to accurately discuss current events in computing	The student is occasionally able and prepared to discuss current events in computing	The student is never able or prepared to discuss current events in computing
<i>Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline</i>		The student is consistently able and prepared to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements	The student in most cases is able and prepared to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements	The student is not able to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements
<i>Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles</i>		The student is always able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles	The student is occasionally able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles, but not consistently	The student shows no ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles