ITMT 430 RUBRIC

ITMT 430 Systems Integration
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**
Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals.	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
Perform requirements analysis, design and administration of computer and network-based systems conforming to policy and best practices, and monitor and support continuing development of relevant policy and best practices as appropriate.	The student is consistently able to perform requirements analysis, to design and administer computer and network-based systems conforming to policy and best practices, and to monitor and support continuing development of relevant policy and best practices as appropriate	The student is generally able to perform requirements analysis, to design and administer computer and network-based systems conforming to policy and best practices, and to monitor and support continuing development of relevant policy and best practices as appropriate, but this may not be consistent	The student is unable to perform requirements analysis, to design and administer computer and network-based systems conforming to policy and best practices, or to monitor and support continuing development of relevant policy and best practices
Apply current technical and mathematical concepts and practices in the core information technologies and recognize the need to engage in continuing professional development.	The student is consistently able to apply current technical and mathematical concepts and practices in the core information technologies and to recognize the need to engage in continuing professional development	The student is generally able to apply current technical and mathematical concepts and practices in the core information technologies and to recognize the need to engage in continuing professional development, but this may not be consistent	The student is unable to apply current technical and mathematical concepts and practices in the core information technologies, and/or to recognize the need to engage in continuing professional development
Course student outcomes Upon completion of this course the student should be able to do the following:			
Outcome **Score ▶**	**5**	**3**	**1**
Identify, gather, analyze, and write information system requirements based on user needs	The student is consistently able to identify, gather, analyze, and write information system requirements based on user needs	The student is normally able to identify, gather, analyze, and write information system requirements based on user needs	The student is unable to identify, gather, analyze, and write information system requirements based on user needs
Document integration requirements using business process models	The student is consistently able to document integration requirements using business process models	The student is normally able to document integration requirements using business process models	The student is unable to document integration requirements using business process models
Design, construct, integrate, and implement an information system as a solution to a business problem	The student is able to design, construct, integrate, and implement an information system as a solution to a business problem	The student is able to contribute to the design, construction, integration, and implementation of an information system as a solution to a business problem	The student is unable to design, construct, integrate, and implement an information system as a solution to a business problem
Apply key systems integration architecture, methodologies, and technologies in the construction of an information system using industry best practices	The student is able to competently and consistently apply key systems integration architecture, methodologies, and technologies in the construction of an information system using industry best practices	The student is able to adequately apply key systems integration architecture, methodologies, and technologies in the construction of an information system using industry best practices	The student is unable to apply key systems integration architecture, methodologies, and technologies in the construction of an information system using industry best practices
Based on identified user needs, demonstrate the use of user centered design in the selection, creation, evaluation, and administration of an information system	Based on identified user needs, the student is able to competently and consistently demonstrate the use of user centered design in the selection, creation, evaluation, and administration of an information system	Based on identified user needs, the student is able to adequately demonstrate the use of user centered design in the selection, creation, evaluation, and administration of an information system	The student is unable to demonstrate the use of user centered design in the selection, creation, evaluation, and administration of an information system
Analyze a business problem and identify and define computing requirements appropriate to its solution	The student is consistently able to analyze a business problem and identify and define computing requirements appropriate to its solution	The student is often able to analyze a business problem and identify and define computing requirements appropriate to its solution	The student is unable to analyze a business problem and identify and define computing requirements appropriate to its solution
Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline	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
Identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems	The student is always able to identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems	The student is occasionally able to identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems, but not necessarily consistently	The student is unable to identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems
Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline	The student is always able to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline	The student is often able to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline	The student is unable to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline
Assist in the creation of an effective project plan	The student is always able to effectively assist in the creation of an effective project plan	The student is often able to assist in the creation of an effective project plan	The student is unable to assist in the creation of a project plan