

ITMD 362 RUBRIC**ITMD 362 Human-Computer Interaction**

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>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.</i>		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
Course student outcomes				
Upon completion of this course the student should be able to do the following:				
Outcome	Score ▶	5	3	1
<i>Recall, describe and apply principles of user-centered design</i>		The student is consistently able to recall, describe and apply principles of user-centered design	The student is often able to recall, describe and apply principles of user-centered design	The student is unable to recall, describe or apply principles of user-centered design
<i>Conduct a task analysis & apply the information to user-centered design</i>		The student is consistently able to conduct a task analysis & apply the information to user-centered design	The student is generally able to conduct a task analysis & apply the information to user-centered design	The student is unable to conduct a task analysis & apply the information to user-centered design
<i>Evaluate user interface designs with human subjects</i>		The student is consistently able to evaluate user interface designs with human subjects	The student is normally able to evaluate user interface designs with human subjects	The student is not able to evaluate user interface designs with human subjects
<i>Recall, explain, and apply the design principles of alignment, contrast, proximity, and repetition</i>		The student is consistently able to recall, explain, and apply the design principles of alignment, contrast, proximity, & repetition	The student is normally able to recall, explain, and apply the design principles of alignment, contrast, proximity, & repetition	The student is unable to recall, explain, or apply the design principles of alignment, contrast, proximity, & repetition
<i>Design and build a user-centered website applying HCI methods and good principles of design</i>		The student is consistently able to design and build a user-centered website applying HCI methods and good principles of design	The student is normally able to design and build a user-centered website applying HCI methods and good principles of design	The student is unable to design or build a user-centered website applying HCI methods and good principles of design
<i>Apply color and typography in web design to optimize the interface</i>		The student is consistently able to apply color and typography in web design to optimize the interface	The student is normally able to apply color and typography in web design to optimize the interface	The student is unable to apply color and/or typography in web design to optimize the interface
<i>Engage in agile, iterative web design and development individually and in teams, supported by version control</i>		The student is consistently able to engage in agile, iterative web design and development individually and in teams, supported by version control	The student is normally able to engage in agile, iterative web design and development individually and in teams, supported by version control	The student is unable to engage in agile, iterative web design and development individually and/or in teams, supported by version control
<i>Write useful, descriptive messages attached to granular commits in a version control system</i>		The student is consistently able to write useful, descriptive messages attached to granular commits in a version control system	The student is occasionally able to write useful, descriptive messages attached to granular commits in a version control system	The student is unable to write useful, descriptive messages attached to granular commits in a version control system
<i>Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions</i>		The student is consistently able to analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions	The student is, under most circumstances, able to analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions	The student is unable to analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions
<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 unable to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements
<i>Communicate effectively in a variety of professional contexts</i>		The student is always able to communicate effectively in a variety of professional contexts	The student is occasionally able to communicate effectively in a variety of professional contexts	The student shows no ability to communicate effectively in a variety of professional contexts
<i>Identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems</i>		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