

ITMD 361 RUBRIC**ITMD 361 Fundamentals of Web Development**

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>Recognize HTML, CSS, and JavaScript markup and code in a web page/application</i> | | The student is consistently able to recognize HTML, CSS, and JavaScript markup and code in a web page/application | The student is often able to recognize HTML, CSS, and JavaScript markup and code in a web page/application | The student is unable to recognize HTML, CSS, and JavaScript markup and code in a web page/application |
| <i>Select the proper mark-up tags or code to achieve a particular result</i> | | The student is consistently able to select the proper mark-up tags or code to achieve a particular result | The student is generally able to select the proper mark-up tags or code to achieve a particular result | The student is unable to select the proper mark-up tags or code to achieve a particular result |
| <i>Identify improperly used markup and code</i> | | The student is consistently able to identify improperly used markup and code | The student is normally able to identify improperly used markup and code | The student is not able to identify improperly used markup and code |
| <i>Produce modern standards compliant web pages</i> | | The student is consistently able to produce modern standards compliant web pages | The student is normally able to produce modern standards compliant web pages | The student is unable to produce modern standards compliant web pages |
| <i>Deploy web pages to a public server</i> | | The student is consistently able to deploy web pages to a public server | The student is normally able to deploy web pages to a public server | The student is unable to deploy web pages to a public server |
| <i>Thoughtfully evaluate and adopt only the most standards-compliant documentation, libraries, and development techniques</i> | | The student is able to thoughtfully evaluate and adopt only the most standards-compliant documentation, libraries, and development techniques | The student is somewhat able to evaluate and adopt only the most standards-compliant documentation, libraries, and development techniques | The student is unable to evaluate and adopt standards-compliant documentation, libraries, and development techniques |
| <i>Write valid, well-formed semantic HTML and error-free, backward- and forward-compatible CSS</i> | | The student is consistently able to write valid, well-formed semantic HTML and error-free, backward- and forward-compatible CSS | The student is normally able to write valid, well-formed semantic HTML and error-free, backward- and forward-compatible CSS | The student is unable to write valid, well-formed semantic HTML and error-free, backward- and forward-compatible CSS |
| <i>Write error-free, progressively enhanced JavaScript over HTML pages that continue to function in the absence of JavaScript</i> | | The student is consistently able to write error-free, progressively enhanced JavaScript over HTML pages that continue to function in the absence of JavaScript | The student is able to write progressively enhanced JavaScript with only minor errors over HTML pages that continue to function in the absence of JavaScript | The student is unable to write progressively enhanced JavaScript or create JavaScript-enhanced HTML pages that continue to function in the absence of JavaScript |
| <i>Effectively comment on and format source code for maximum readability</i> | | The student is consistently able to effectively comment on and format source code for maximum readability | The student is occasionally able to comment on and format source code for maximum readability | The student is unable to comment on and format source code for maximum readability |
| <i>Track development of a project over time and collaborate with others using version control</i> | | The student is consistently able to track development of a project over time and collaborate with others using version control | The student is able to track development of a project over time and collaborate with others using version control with some lapses in quality or consistency | The student is unable to contrast and track development of a project over time and collaborate with others using version control |
| <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 |