

# Real-Time Scheduling

Name or Team: *your-info*

This assignment has you design a test fixture that you can use to test the performance of several real-time scheduling algorithms. The fixture should allow you to easily implement different fixed and dynamic priority schedulers, and run them with a variety of task sets.

Dimension	Exceptional Performance 4	Competent Performance 3	Acceptable Performance 2	Developing Performance 1	Beginning Performance 0
<b>Test Analysis (40%)</b>	Test sets and results are fully analyzed against the theory, and failure modes are discussed	There are minor issues with the presentation or analysis of the test sets and results.	Test set data and results are presented with minor analysis of the results.	Test set data and results are presented but without analysis.	No test data or analysis of the tests is given.
<b>Test Fixture Description (30%)</b>	The test fixture is fully documented such that the reader can easily understand its method of operating.	There are only minor issues with the test fixture description.	The report adequately describes the test fixture operation but may miss some aspects particularly related to its real-time performance.	The report only describes the high-level details of the test fixture.	No description of the test fixture is given.
<b>Test Fixture Implementation (15%)</b>	The test fixture is fully implemented in a way that follows sound real-time practices. The test fixture adheres to coding standard and documentation practices.	The test fixture functions, but there are minor issues with use of coding standards or documentation.	The test fixture has minor issues with functionality, or a noticeable lack in using coding and documentation practices.	The test fixture has significant functionality problems, or is designed with little concern for real-time issues.	The test fixture does not appear to function.
<b>Report Mechanics (10%)</b>	Report has an excellent organization and presents material in a very logical sequence. No spelling or grammar errors, excellent formatting, highly readable.	The report can be followed easily and all material is present. Spelling and grammar errors rare, excellent formatting	All material is present in the report, but there are issues with the presentation. Spelling, grammar, and formatting errors appear on several pages but do not interfere with readability.	There are significant issues with coherence and ordering. Significant material is missing. Few pages without mechanics errors making reading a chore. Readability is a significant problem.	The report has no apparent organization or logical order. Mechanics errors make it a struggle to decipher meaning.
<b>Submission Mechanics (5%)</b>	All materials were properly submitted and could be accessed without any issues.		All materials were submitted. There were only minor issues with accessing the materials.	Only a minor omission from the submission, or it took noticeable effort to access the material.	Significant problems exist with accessing material or material is missing from the submission.