# COMP3520 Operating Systems Internals Assignment 2 Part 1 Marking Scheme

## Source Code

| Criteria | Mark /10 |
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| • Demonstrates mastery of relevant scheduling concepts<br>• Successfully implements an optimal solution that fully meets the assignment requirements with no errors or omissions<br>• Codes with expertise, demonstrating exemplary skills in producing correct human-readable source code that compiles on the School of Computer Science servers | 10 |
| • Skilfully applies relevant scheduling concepts<br>• Successfully implements an optimal solution that meets the basic coding requirements with a minor error or omission<br>• Demonstrates excellent skills in producing human-readable source code that compiles on the School of Computer Science servers | 9 |
| • Skilfully applies relevant scheduling concepts<br>• Successfully implements an optimal solution that fully meets the assignment requirements with, at most, two minor errors or omissions<br>• Demonstrates excellent skills in producing human-readable source code that compiles on the School of Computer Science servers | 8 |
| • Competently applies relevant scheduling concepts<br>• Implements an optimal or near-optimal solution that meets the basic coding requirements but with a few minor errors or omissions<br>• Demonstrates well-developed skills in producing human-readable source code that compiles on the School of Computer Science servers | 7 |
| • Competently applies relevant scheduling concepts<br>• Implements a near-optimal solution that meets the basic coding requirements but with a few minor errors or omissions<br>• Produces source code that that compiles on the School of Computer Science servers but that is not always readily human-readable | 6 |
| • Demonstrates basic skills in applying relevant scheduling concepts<br>• Implements a sub-optimal solution to the problem, containing some errors or omissions, but meeting the basic coding requirements<br>• Produces source code that compiles on the School of Computer Science servers but that is not always readily human-readable | 5 |
| • Demonstrates limited skills in applying relevant scheduling concepts<br>• Implements a flawed solution to the problem that fails to satisfy one or more basic coding requirements, contains one or more serious errors, contains one or more serious omissions, and/or contains multiple errors or omissions<br>• Demonstrates basic programming skills, producing flawed source code | 4 |

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| that compiles on the School of Computer Science servers | |
| • Demonstrates elementary skills in applying some relevant scheduling concepts<br>• Implements a fatally flawed solution to the problem, containing major errors or omissions<br>• Demonstrates sustained genuine engagement with the set programming problem but limited programming skills, producing fatally flawed source code that compiles on the School of Computer Science servers | 3 |
| • Demonstrates elementary understanding of some relevant scheduling concepts<br>• Produces relevant source code that does not compile on the School of Computer Science servers but that contains some evidence of sustained genuine engagement with the set programming problem | 2 |
| • Demonstrates minimal or no understanding of relevant scheduling concepts<br>• Produces source code that does not compile on the School of Computer Science servers and that contains some evidence of superficial engagement with the set programming problem | 1 |
| • Disqualified by the COMP3520 examiner for any ONE of the following behaviours:<br>   o Engaging in an aggravated non-serious attempt in the source code<br>   o Engaging in a virtual non-attempt in the source code<br>   o Failing to submit source code<br>• Disqualified by the Faculty of Engineering or the University due to academic dishonesty or misconduct in this assignment | 0 |