
# CMP9767M Robot Programming Assessment Item 1 - COURSEWORK

| Learning Outcome | Criterion | Pass (>= 50) | Merit (>= 60) | Distinction (>= 70) |
|---|---|---|---|---|
| LO1: critically appraise the theoretical capabilities of existing state-of-the-art robot system algorithms and components<br>LO2: understand and critically appraise the requirements and limitations of robot algorithms and components | C1: Selection and documentation of appropriate algorithms and components to solve the task<br>(50%) | The implementation uses mostly suitable, but basic algorithms and components. Some documentation is present. | The implementation combines different components and algorithms in a suitable way. The implementation is well documented. | The implementation features a variety of well-chosen components and algorithms that help to accomplish the task to a high standard. The implementation is innovative and very well documented. |
| LO3: implement and empirically evaluate algorithms and components, by programming autonomous robots to perform complex tasks in dynamic environments | C2: Code structure and adherence to software engineering principles<br>(20%) | The implementation has a simple structure; software engineering principles have only been followed loosely. | The implementation employs good coding principles and is well structured, facilitating re-use to a good degree. Evidence of good software engineering principles is presented evident. | The implementation has a very clear structure and is designed to easily facilitate reuse and configurability. Excellent adherence to software engineering principles is evident. |
| | C3: Task performance<br>(30%) | The robot makes a good attempt at solving the given task but does not complete it all successfully. | The robot accomplishes the given task but has some minor limitations outside the chosen focus area. | The robot accomplishes the task to a high standard, with excellent performance in the chosen focus area. |
| **Weighting as indicated per criterion** | | | | |