Assignment Brief: Comp3302 Nature of Computing 2020-21

Assignment 1	Position Paper 3
Word Limit	You may achieve the maximum grade for 1000 words, but there is no penalty for exceeding this.
Weighting	33 1/3%
Learning Outcomes Assessed	Demonstrate a critical understanding of a range of programming paradigms and languages, and appreciate the nature and limitations of computer programs
Submission date	Blackboard 15:00 11th December 2020
Feedback date	In class w/c 14th December 2020
Module Leader	Colin Price
Verified by	Pete Moody

Contents

If anything about this assignment is not clear to you, please contact your module leader.

You are expected to plan your time and work to manage your overall assessment workload.

What do I need to do?	During the 3 module sessions you will have learned about approaches to solving the robotic autonomous navigation problem by coding with the Webots simulator. In this paper, you will choose one approach to autonomous navigation. Then you will explain how it works and critically evaluate any strengths of weaknesses of the approach.

How should I present my work?	You will be presented with a cover sheet which you should use as the first page. Then write 2 sections: (i) explanation of the navigation approach, (ii) critical evaluation of its strengths and weaknesses. You could include code snippets (annotated), screen shots, or links to movies made with Webots, uploaded to a Blackboard dropbox. You should save your work with the title **Comp3302-PP3-Student Number**. References (use the University Harvard referencing system, support is available through the library www.worc.ac.uk/library/guides/study-skills/referencing)

How can I obtain guidance?	Information about this paper will be given in the first on-line lecture associated with this paper. You must demonstrate the assignment you submit is your own work and that it does not fall foul of plagiarism (copying someone else's work without an appropriate attribution). The library guide will provide more advice and support http://libguides.worc.ac.uk/guides/study-skills/plagiarism.

How and when do I hand my assessment in?	Your work must be word-processed/typed and should clearly show your student number. You should submit your work by the 3pm deadline on 11th December 2020. You should submit your work to Blackboard which is available via your student portal. **You are required to keep a copy of work handed in**. See the University's guide to uploading and submitting assessment items via Blackboard: https://help.blackboard.com/Learn/Student If you have issues with Blackboard, you will need to contact tel@worc.ac.uk

How will my assignment be marked?	Specific marking criteria for your assignment is provided in the Grading Matrix, which can be found on page 5. You are strongly advised to check your completed work against the Grading Matrix to ensure have completed all areas required before you submit it. You should also ensure you adhere to the word limit / word count stated in your assessment brief document, details of which can be found in the University's Assessment Policy http://www.worc.ac.uk/aqu/documents/AssessmentPolicy.pdf

How will I get feedback?	You will receive feedback during the session in the week following submission. In addition to formal assignment feedback, you will receive feedback during lectures, workshops and assignment briefing sessions to help you improve your learning. This feedback may be provided from a variety of activities e.g. tutor-to-student meetings, group and/or class discussions, group activities, etc.

What do I do if I have problems which prevent me from submitting my work?	<u>It is essential that you submit your work, in order to be able to pass the module.</u> **However, if you are unable to submit your work on time you must contact your Module Leader or Personal Academic Tutor.** Unless you have an application for mitigating circumstances accepted, if you submit your work late, but within 7 days of the due date, you will have your work marked but the grade will be capped at the minimum pass grade. For full details of submission regulations see Taught Courses Regulatory Framework at: http://www.worcester.ac.uk/registryservices/documents/TaughtCoursesRegulatoryFramework.pdf

What do I do if I am ill or have personal problems?	There may be occasions when you are unable to submit a piece of assessed work on time or attend an examination or presentation due to exceptional and unforeseen reasons that are outside of your control. If this occurs, you may be able to submit a claim for Mitigating Circumstances. This means that if your claim, which must be supported by independent evidence, is accepted your work will be marked or you will be allowed to resubmit the assessment or retake the examination. Full details of Procedures for Dealing with Exceptional Mitigating Circumstances are available at http://www.worcester.ac.uk/registryservices/679.htm

What will happen if I engage in academic misconduct (cheating)?	Academic Misconduct is defined by the University as any attempt to gain an unfair advantage in an assessment or helping another student to gain an unfair advantage. This can involve - Using material sources without acknowledging them using a recognised referencing system. - Copy another student's work. - Allowing another student to copy your work - Claiming that you have undertaken research that you have not e.g. surveys, interviews etc. If you are suspected of Academic Misconduct you will be referred to the School's Academic Integrity Tutor and may face further penalties. Penalties may extend beyond the single assignment, and may affect your module grade or even the classification of your final award. **Academic Misconduct will be included in any reference provided for you be the University.** Details in your Course Handbook accessible via SOLE and at https://www2.worc.ac.uk/registryservices/documents/Proceduresforinvestigationofallegedacademicmisconduct.pdf

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What if I don't pass my assignment at my first attempt?	DON'T PANIC. In the event you are required to take reassessment you will receive formal notification of this via a letter from Registry Services *posted on the SOLE page* after the meeting of the Board of Examiners. The letter will normally include a copy of the reassessment task(s). Deadlines for re-assessment can be found in the University Calendar at http://www.worcester.ac.uk/registryservices/655.htm

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Grading Matrix
This matrix captures the assessment criteria for this part of the coursework.

	Student Number:	**Academic Year and Semester:** 2020-21 S1	**Learning Outcomes:** Demonstrate a critical understanding of a range of programming paradigms and languages, and appreciate the nature and limitations of computer programs
	Module Code/Title: Comp3302 Nature of Computing	**Assignment No/Weighting:** PP3 33 1/3 %	
	Occurrence:	**Assessment Title:** Position Paper 3	
	Assessment Criteria		
GRADE			
A	Outstanding and detailed explanation supported by annotated code and other media, such as screen-shots or movie-clips. References to appropriate journal articles.		
B	Detailed explanation supported by annotated code and other media, such as screen-shots or movie-clips.		
C	Good explanation supported by annotated code. Reasonable attempt at critical evaluation.		
D	Attempt at an explanation and critical discussion, but there may be some errors or lack of clarity.		
Fail (E-H)	No or incorrect explanation and no or incorrect critical discussion.		
	General comment:		
	What you can do better in future assignments:		
	How successful completion of this assignment helps your employability:		
	Assignment Grade:	**Marker:** Colin Price	**Moderator***: Pete Moody	

* This person is responsible for moderating a sample of student work for this module. Your work may, or may not, have been included in this sample

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□ I do not want my work to be used anonymously to help future students

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