Syllabus Addendum for Calculus II Honors Project and Honors Credit

Requirements

In order to receive honors credit for a course a student must satisfactorily complete additional work with the following elements: research, analysis, and a presentation. The honors work includes:

1. Conduct independent research into problems that can be solved by creating an algorithm or program using topics from calculus.
2. Create a program or algorithm to solve a researched problem.
   1. The algorithm must meet all appropriate criteria.
   2. Effectiveness should be proven.
3. A presentation to demonstrate knowledge of the research. The presentation will be to the instructor and possibly two other faculty members.
   1. The presentation should be at approximately five to ten minutes in length.
   2. The student is expected to demonstrate an understanding of the concepts presented in the paper.
   3. The student will utilize a visual aid during the presentation, such as a PowerPoint or the whiteboard.
   4. The student will answer questions posed by the instructor(s) present.

Subject Area for XXXXXXXXXXX Honors Project

In conversation, the student displayed a passion for robotics and the mathematics surrounding it.

Deliverable Timeline

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| Meeting 1: | 03/14/2023 | Progress Discussion: where research is presented to the instructor. |
| Meeting 2: | 03/28/2023 | Initial algorithm presented to the instructor. |
| Meeting 3: | 04/11/2023 | Final algorithm presented to the instructor. |
| Meeting 4: | 04/18/2023 | Last edits to any proofs or required supplementary mathematics. |

Successful Completion of Honors Option

A letter of grade of “B” or better is required within the standard work of the course, as per the honors contract. In addition, the student must complete the presentation and paper as explained above by, at minimum, meeting the letter of the requirements detailed.