

CIS*4820 – Game Programming

Course Outline – Winter 2017

Instructor: David Calvert

Email: dcalvert@uoguelph.ca

Timetable

Lecture: Monday, Wednesday and Friday, 2:30-3:20, Alexander Hall 259

Course Web Page: All course material will be posted to Courselink.

<https://courselink.uoguelph.ca>

Marking Scheme

Programming

- Assignments: 50%

Written

- Midterm Exam: 25%
- Final Exam: 25%

Notes:

- You must achieve a passing grade in each of the Written and Programming sections to pass the course. A failing total in either of the above two sections will result in a final grade in the course equal to that failing total. The highest grade you can achieve if you fail either section is 45%.
- Assignments will mostly involve programming, and creating content for a game.
- There is no group work in this course. Any work which is the product of more than one person's efforts is grounds for academic misconduct. All submitted code will be checked for copying. All parties involved will be reported to the Director of SOCS as participants in academic misconduct. See Academic Misconduct in Section VIII of the Undergraduate Calendar. The penalties for academic misconduct are described in the University of Guelph Undergraduate Calendar.
- Code which is submitted and does not compile or execute will be given a mark of zero.
- Failure to submit assignments correctly will result in a substantial loss of marks.
- Remarking of assignments will occur in the advising times for the teaching assistant. Requests for remarking will be considered for only one week after the assignment has been returned.
- Assignments may be handed in up to two days after the due date listed on the assignment with no penalty. **No other extensions will be granted.**

Lecture Topics

1. Graphics and Animation, Algorithms and Tools
2. Artificial Intelligence Methods
3. Interacting with the Environment
4. Game Design
5. Networking Techniques
6. Audio for Games

Semester Schedule

- Assignment 1 due Friday, Jan. 27
- Midterm – Friday, Feb. 10 in class
- Assignment 2 due Friday, Feb. 17
- Assignment 3 due Friday, Mar. 10
- Assignment 4 due Friday, Mar. 24