This is an introductory course to artificial intelligence: fundamental principles, philosophy, and applications.

**Course Materials:**


**Evaluation:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments (3)</td>
<td>45%</td>
</tr>
<tr>
<td>Project</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>35%</td>
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</tbody>
</table>

Note: A final grade of at least 40% is required for the final exam in order to receive credit for the course.

**Subject Overview:**

- Intelligent agents
- Problem solving and search algorithms
- Game trees
- Knowledge representation and logic
- Expert systems
- Genetic algorithms
- Swarm intelligence
- Machine learning
- Neural networks
- Planning
- AI and Philosophy
- Invited lecture: Guest and topic to be announced

**Additional Notes:**

- Assignments will only be graded if they include a signed cover page with your correct student number stapled to the front. See the COSC home page to generate a cover page with barcode.
- Please read the department's policy on medical notes on the COSC home page. Other reasons may be used for granting extensions or other accommodations, at the instructor's discretion, but only if the instructor is contacted in advance of assignment due dates.
- All assignments will have only a due date. Late submissions will not be accepted.
- For the most part, you will be able to choose your language of preference for assignments. The only requirement is that they be compilable/runnable on the lab computers. Electronic submission will be required, and solutions may be run through MOSS to test for plagiarism. Plagiarism is a serious offense and will be treated accordingly. See http://www.cosc.brocku.ca/about/policies/plagiarism for details.
- As part of Brock University's commitment to a respectful work and learning environment, the university will make every reasonable effort to accommodate all members of the university
community with disabilities. If you require academic accommodations related to a permanent
disability to participate in this course, you are encouraged to contact the Student Development
Centre Services for Students with Disabilities (4th Floor Schmon Tower ext. 3240) and also to
discuss these accommodations with the instructor.

- November 4th is the last day for voluntary withdrawal without academic penalty. 15% of the final
  grades will be available to students by October 31st. Probably. Unless they're not.

Note: Content has been generously provided by Dr. Beatrice Ombuki-Berman and Dr. Brian Ross.