

Module	Instructor	Office	Webpage
1	Dr. Matthew Hamilton	EN-2029	https://www.cs.mun.ca/~mhamilton/
2	Dr. Todd Wareham	EN-2034	https://www.cs.mun.ca/~harold/
3	Dr. Xianta Jiang (Coordinator)	EN-2010	https://www.cs.mun.ca/~xiantaj/
4	Dr. David Churchill	ER-6030	https://davechurchill.ca

Lectures: Monday/Wednesday/Friday 9:00AM-9:50 AM in CSF5115

Course Description:

This course provides an overview of the history of AI and its main areas, emphasizes the relevance of ethics considerations in AI research, and introduces a selection of the disciplines that constitute modern AI.

Course Topics

- Module 1: Intro to AI
 - What is AI?
 - A brief history of AI
 - Sample AI applications
 - Ethical AI
- Module 2: Natural language processing (NLP)
 - What is NLP?
 - NLP: the view from linguistics
 - NLP implementation mechanisms (automata, grammars, neural networks)
 - NLP applications (e.g., information extraction, discourse systems, machine translation)
- Module 3: Human AI Collaboration
 - Introduction to Human AI Collaboration (HAC)
 - Theories of HAC
 - Collaborative teleoperation
 - Applications and case studies
- Module 4: AI and Games
 - Introduction / History of Game AI
 - Game Playing Agents
 - Procedural Content Generation
 - Practical Examples
 - Industry Guest Speaker(s)

Evaluation Scheme (100%):

Each module will have one written examination, and may have up to one assignment

- Module 1: 25% of total grade
- Module 2: 25% of total grade
- Module 3: 25% of total grade
- Module 4: 25% of total grade

Students must obtain at least 50% on all quizzes to pass the course.

Learning Goals: Upon successful completion of this course, students should:

- Be aware of AI history and ethical issues in AI
- Have a broad perspective on AI
- Be familiar with selected AI areas
- Be able to describe current AI applications

Evaluation

- Assignments will be submitted in electronic format using the Dropbox application in Brightspace. **No late assignments will be accepted.**
- All written materials delivered must comply with the expectations of Good Writing set out in the University Calendar (Section 6.9.3 under University Regulations).
- If, for special circumstances (such as medical or bereavement), you miss a deadline for a grade item, notify the instructor of the corresponding module as soon as possible and no later than 48 hours after the original deadline, providing any necessary related documentation (if documentation is required). Failure to do this might result in a mark of 0% for that grade item. For more information, please see Section 6.7.5 and Section 6.15.6 under University Regulations in the University Calendar or consult the Registrar.

Communication

- Course cancellations will be announced in the course shell in Brightspace.
- Course materials, news and communications will be available in Brightspace.
- Any part of this course outline can be subject to change, particularly during the first two weeks of classes. The latest version of the course outline will be available through the Brightspace shell for the course.

Academic conduct

- From section 6.12 of the University Calendar: “A student is expected to adhere to those principles which constitute proper academic conduct. Academic misconduct cannot be condoned or even appear to be condoned. A student has the responsibility to know which actions, as described under [Academic Offences](#), could be construed as dishonest or improper.”. Students found guilty of an academic offence may be subject to a number of penalties commensurate with the offence including reprimand, reduction of grade, probation, suspension or expulsion from the University. If plagiarism and/or cheating occurs in a grade item, this item will receive a grade of zero. For more information regarding this policy, students should refer to the University Regulations for Academic Misconduct (Section 6.12) in the MUN Calendar
- All materials submitted by students for evaluation must be solved and written by the student themselves. Unless given explicit permission by the instructor, any use of LLM/AI generated writing or code will be considered academic misconduct, and submitted to the department for investigation.

Accommodation

- Memorial University of Newfoundland is committed to supporting inclusive education based on the principles of equity, accessibility and collaboration. Accommodations are provided within the scope of the University Policies for the Accommodations for Students with Disabilities. Students who may need an academic accommodation are asked to initiate the request with the Glenn Roy Blundon Centre at the earliest opportunity (www.mun.ca/blundon)

Course Material Copyright

- The lectures and displays (and all material) delivered or provided in this course, including any visual or audio recording thereof, are subject to copyright owned by the instructor of the corresponding module. It is prohibited to record/copy and distribute by any means, in any format, openly or surreptitiously, in whole or in part, in the absence of express written permission from the instructor any of the lectures or materials provided or published in any form during or from the course.