



Course Outline
Automata and Computability
COMPSCI 2AC3

Instructor: Mahdee Jodayree jodayrem@mcmaster.ca	
Course Website	Avenue and Teams
Prerequisites	COMPSCI 2LC3, 2C03
Antirequisite	COMPSCI 2FA3, 2MJ3, SFWRENG 2FA3
1st TA (Tutorials)	Dennis Zvigelsky yankovsd@mcmaster.ca
2nd TA (Tutorials)	Yijin Sheng shengy16@mcmaster.ca
Office Location	ITB 208
Office Hours	By appointment
Course Material	<p>All course material for this class will be posted in Microsoft Teams under the Files Tab.</p> <p>To ensure access to the most recent course materials, installing Microsoft OneDrive and syncing the Teams channel with your local disk is recommended. This will enable automatic updates and file retrieval.</p>
Lectures Jan 8th- April 10th	<p>Attendance of lectures is not mandatory.</p> <p>A video copy of each lecture will be available in Microsoft Teams.</p>
Tutorials Jan 15th- April 10th	<p>Attendance of tutorials is not mandatory but highly recommended.</p> <p>During the tutorials, you will be solving exercises to understand the lecture slides, and you can ask your questions.</p> <p>Tutorials will help you to finish your assignment.</p> <p>A video copy of each tutorial will be available in Microsoft Teams.</p>
Textbook	Introduction to the Theory of Computation, International Edition, 3rd Edition Michael Sipser

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Assignments 30% Assignment 1 Due Date Jan 29th Assignment 2 Due Date Feb 19th 21st Assignment 3 Due Date March 26th	There will be three assignments, each 10% of your overall mark. You can scan your handwritten notes, type your solution, or you can use a tablet to write your solutions and submit them to Avenue to Learn in PDF format. I will post the solutions to assignments in Microsoft Teams under the Files Tab. I suggest utilizing the Microsoft Lenz PDF Scanner App , which is available for free, to scan your assignments and convert them into PDF format.
Midterm 20% March 11th	The midterm will be in person. One double-sided cheat sheet will be allowed. You are allowed to type and print your cheat sheet, or you can create a handwritten one.
Final Exam 50%	The final exam will be in person. One double-sided cheat sheet will be allowed. You are allowed to type and print your cheat sheet, or you can create a handwritten one.
Course Information	Chapters 0 to 6 from the textbook. 1. Finite state machines 2. Regular languages 3. Regular expressions 4. Applications of regular languages 5. Grammars 6. Context-free languages 7. Models of computation 8. Computability and decidability.
Conflicting Holidays	Mid-term recess Monday, February 19 to Sunday, February 25 Good Friday Break No classes or examinations Friday, March 29 and Saturday, March 30
Academic Dishonesty	http://www.mcmaster.ca/senate/academic/ac_integrity.htm

MSAF Policy	For each MSAF, the weight will be moved to the final exam. More information on the MSAF procedure can be found at this link .
SAS Policy	The policies and procedures of Student Accessibility Services (SAS) can be accessed through the provided link .