Faculty of Computer Science
Tentative Course Planning 2022-2025

Course	Title	2022-2023				2023-2024				2024-2025			
		FA22	WI 23	IN 23	SU 23	FA23	WI 24	IN 24	SU 24	FA 24	WI 25	IN 25	SU 25
CS1003	Intro. to Computer Programming	F	W			F	W			F	W		
CS1023	Data Structures and Algorithms for Engineers	F				F				F			
CS1073	Intro. to Computer Programming I (in Java)	F	W	I*		F	W			F	W		
CS1083	Intro. to Computer Programming II (in Java)	F	W	I*		F	W	I		F	W	I	
CS1103 (INFO1103)	Data and Information Management	F	W	I*		F	W	I		F	W	I	
CS1203	Overview of Computer Science	F				F				F			
CS1303	Discrete Structures	F	W			F	W			F	W		
CS2033	Software Design for Engineers												
CS2043	Software Engineering I	F	W			F	W			F	W		
CS2053	Intro. to Game Development		W								W		
CS2063	Intro. to Mobile Application Development	F				F				F			
CS2253	Machine Level Programming	F		I		F		I		F		I	
CS2263	Procedural Program Development	F	W	I		F	W	I		F	W	I	
CS2333	Computability and Formal Languages		W	I			W	I			W	I	
CS2383	Data Structures and Algorithms	F	W			F	W			F	W		
CS2413 (Info2403)	Information Security	F	W			F	W			F	W		
CS2545	Data Science for Big Data Analytics		W				W			F			
CS2613	Programming Languages Laboratoty	F	W			F	W			F	W		
CS2999	Problem Solving for Programmers (Prog. Club)	F	W			F	W			F	W		
CS3025	Human-Computer Interaction		W				W				W		
CS3035	Building User Interfaces	F				F				F			
CS3103 (INFO3103)	Programming on the Web		W				W				W		
CS3113	Introduction to Numerical Methods	F				F				F			
INFO3303 do not offer	Enterprise Information Systems	F				F				F			
CS3383	Algorithm Design and Analysis	F	W			F	W			F	W		
CS3413	Operating Systems I	F	W			F	W			F	W		
CS3503	Systems Analysis, Design and Proj. Mgmt.		W				W				W		
CS3543 (INFO3403)	Information System Administration					F							
CS3703	Multimedia Design												
CS3853	Computer Architecture and Organization		W		S		W		S		W		S
CS3873	Net-centric Computing	F	W			F	W			F	W		
CS3997	Professional Practice	F			S	F			S	F			S
CS4015/SWE4403/CS6075	Software Architecture and Design Patterns		W				W				W		
CS4065/CS6065	Interactive Human-Centered Systems		W				W				W		
CS4355/CS6355	Cryptanalysis and Database Security	F				F				F			
CS4405	Operating Systems II												
CS4411/CS6411	Foundations of Information Assurance	F				F				F			
CS4413/CS6413	Foundations of Privacy		W				W				W		
CS4415/CS6415	Network Security		W				W				W		
CS4417/CS6417	Software Security		W				W				W		
CS4419/CS6419	Digital Forensics			I				I				I	
CS4495 CIC Capstone	Cybersecurity Capstone Project			I	S			I	S			I	S
CS4545/CS6545	Big Data Systems		W				W				W		
CS4613 (CS3613)	Programming Languages		W				W				W		
CS4725/CS6705	Introduction to Artificial Intelligence	F				F				F			
CS4735	Computer Graphics												
CS4745/CS6025	Introduction to Parallel Processing		W				W						
CS4765/CS6765	Natural Language Processing	F				F				F			
CS4805/CS6885	Embedded Systems												
CS4865/CS6865	Princ. of Data Communications & Networks Model	F				F				F			
CS4905	Introduction to Compiler Construction												
CS4935	Advanced Algorithmic Techniques												
CS4983	Senior Technical Report	F	W	I		F	W	I		F	W	I	
CS4997	Honours Thesis	F+W		I+S		F+W		I+S		F+W		I+S	
CS6905	Grad Course	F	W			F	W			F	W		
CS6735	Machine Learning & Data Mining	F											
INFO1003	Foundations of Information Systems												
SWE4040	Software Engineering Design Project	F+W**				F+W**				F+W**			
SWE4103	Software Quality and Project Management	F**								F**			
SWE4203	Software Evolution and Maintenance						W**						
SWE4403	Software Architecture & Design Patterns		W				W				W		

Note: These course schedules are subject to change, but we intend to follow this plan as closely as possible.

* Offered through CEL online

** We anticipate that these courses will be offered by the Faculty of Engineering.