



*The Senate of Acadia University acknowledges that we are located in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq People.*

Dear Member of Senate:

I advise you that a meeting of the Senate of Acadia University will occur from 4:00 p.m. to 6:00 p.m. on Monday, January 13, 2025. This will be a hybrid meeting and will take place in person in the Langley Classroom of the Divinity College and online using Zoom.

The agenda follows:

**1) Approval of Agenda**

**2) Consent Calendar Items**

- a) Announcements and Communications
  - i. Chair (*A. Kiefte*)
  - ii. President and Vice-Chancellor (*J. Hennessy*) ([attached, page 3-5](#))
  - iii. Provost and Vice-President Academic (*A. Cunsolo*) ([attached, pages 5-8](#))
  - iv. Associate Vice-President Research, Innovation, and Graduate Studies, Interim (*K. Ashley*) ([attached, page 8](#))
  - v. Vice-President Student Experience (*S. Duguay*) ([attached, pages 8-13](#))
  - vi. Acadia Students' Union (*Y. Gahlot and S. Taylor*) ([attached, page 13](#))
  - vii. Acadia Divinity College and Faculty of Theology (*A. Robbins*) ([attached, page 13-14](#))
  - viii. Other announcements

**3) New Business**

- a) Motion from the Senate Graduate Studies Committee: Motion that five changes within the MAK Kinesiology program and that twenty-four changes within the MSC Computer Science program be approved. (*K. Ashley*) ([attached, pages 15-92](#))
- b) Motions from the Acadia Divinity College and Faculty of Theology (*A. Robbins*) ([attached, pages 93-96](#))
  - i. Motion 1: That the Senate of Acadia University approves the new specialization in Counselling and Spiritual Care for the Master of Arts in Theology degree, including its program outcomes and new courses and descriptions.

- ii. Motion 2: That the Senate of Acadia University approves the following revised course descriptions: PACC 5013, PACC 6013, PACC 6053, PACC 3053.
- c) Motion from the Timetable, Instruction Hours, and Examination Committee: Motion to add “attendance requirements – including scheduled and expected participation outside of scheduled class time” to the Syllabus/Course Outline requirements in the academic calendar. (*I. Beaton*) ([attached, page 97](#))

**4) Other Business**

**5) Adjournment**

Sincerely,

S. Pineo,  
Recording Secretary of Senate and University Secretary



## **Announcements and Communications**

### **PRESIDENT AND VICE-CHANCELLOR REPORT TO SENATE – JANUARY 2025**

#### **NS Government**

The re-election of the Progressive Conservative government to an even greater majority status in Nova Scotia resulted in some substantial changes to the Cabinet and public service. The Honourable Brendan Maguire will now serve as both the Minister of Advanced Education and the Minister of Education and Early Childhood Development. Tracey Barbrick will now serve as Deputy Minister for both Departments, while Kings South MLA Julie Vanexan will serve as the Ministerial Assistant for Advanced Education. I will meet with these individuals early in the new year to articulate Acadia's needs and to assess government priorities.

#### **Student Centre**

The Board of Governors, at a special December meeting, authorized the construction of the new Student Centre. Preparatory work will begin immediately, while actual construction is scheduled to begin in the Fall of 2025. Congratulations to the fundraising team in External Relations for reaching this funding milestone and a special thank you to Vice President Handrigan and Chancellor McCain for their leadership in this campaign.

#### **Strategic Direction**

In December the Board of Governors approved a new Strategic Direction for Acadia. This follows the Acadia 2025 Strategic Plan, which has now expired. The Strategic Direction will help guide the university's priorities over the next five years. We will hold an introductory town hall session in January followed by monthly town halls to discuss each of the four main pillars outlined in the strategic direction.

#### **Acadia University**

##### **Strategic Direction: 2025-2030**

#### **Vision Statement**

To be recognized as the premier institution in Canada for delivering an exceptional applied liberal education, which emphasizes the knowledge, skills, and leadership to tackle key global issues through academic and experiential learning.

#### **Mission Statement**

Acadia University is committed to fostering intellectual growth, inclusivity, and a supportive community that empowers students to succeed academically and personally, preparing them to lead change and contribute positively to society.

## Strategic Goals

### 1. Strategic Academic Programming

**Objective:** Develop a strategic academic plan with a core Acadia undergraduate experience that embodies the university's unique liberal education and experiential learning approach applied to major global challenges.

**Outcome:** A cohesive academic environment where students gain a comprehensive, interdisciplinary education that prepares them for global challenges. Purpose-driven academic focus differentiates Acadia from other like universities in Canada.

### 2. Equity, Diversity, Inclusion, and Anti-Racism for Growth and Achievement

**Objective:** Ensure that equity, diversity, inclusion, and anti-racism are at the heart of Acadia's academic and student support systems.

**Outcome:** A more inclusive and supportive university where all students can thrive and find their purpose, regardless of their background.

### 3. Campus Culture

**Objective:** Foster a university culture that embodies joy, hope, belonging, and mutual support.

**Outcome:** A vibrant, supportive community where members of the university community feel valued, respected, heard, and empowered.

### 4. Financial Health and Sustainability

**Objective:** Achieve financial stability while promoting sustainable growth.

**Outcome:** A financially secure university that can sustain its mission and continue to offer high-quality education.

## Core Commitments

- **Purposeful Excellence:** Supporting students to find their purpose and to strive to be the best version of themselves they can be.
- **Sustainability:** Committing to responsible resource management and environmental flourishing.
- **Equity:** Embracing equity, diversity, inclusion, and anti-racism and ensuring equitable opportunities for all members of the university community.

- **Collaboration:** Encouraging teamwork and collegial governance across all university levels.

Respectfully Submitted,



Jeffrey J. Hennessy, Ph.D.  
President and Vice Chancellor

## **PROVOST AND VICE-PRESIDENT ACADEMIC REPORT TO SENATE – JANUARY 2025**

Happy 2025! I hope that everyone had an enjoyable, relaxing, and rejuvenating break. I am looking forward to the Winter semester, and to continuing to work with great committees, meet with people and continue to learn about all the impactful research and teaching happening, attend classes, give more guest lectures, and participate in events across campus. Wishing you all a healthy, productive, and enjoyable Winter semester!

### **I. Strategic Academic Planning**

Calls for elections to fill the seats on the Strategic Academic Planning Working Group are underway, with the first meeting planned in the coming weeks. As a reminder, the membership shared at the December Senate meeting is as follows:

1. Ashlee Cunsolo, Provost & Vice-President Academic: **Co-Chair**
2. David Duke, Dean, Faculty of Arts: **Co-Chair**
3. Natalie Weekes, Academic Planning Coordinator
4. Lauren Wilson Finnis, Vice-Provost Teaching and Learning Excellence
5. Lerato Chondoma, AVP Equity, Diversity, Inclusion and Anti-Racism
6. Zabrina Whitman, Executive Advisor L’nu Affairs and Indigenization
7. Board of Governors Representative from Faculty Reps (elected)
8. Faculty of Arts Representative from Senate (elected)
9. Faculty of Professional Studies Representative from Senate (elected)
10. Faculty of Pure & Applied Science Representative from Senate (elected)
11. Library and Archive Representative from Senate (elected)
12. Faculty of Arts Representative (elected from Faculty)
13. Faculty of Professional Studies Representative (elected from Faculty)
14. Faculty of Pure & Applied Science Representative (elected from Faculty)
15. Library and Archive Representative (elected from Librarians)
16. Acadia Divinity College Representative (elected)
17. Acadia Student Union Representative (appointed by ASU)
18. Student Representative (Arts) (elected)
19. Student Representative (Professional Studies) (elected)
20. Student Representative (Sciences) (elected)

Stay tuned for more information as the work begins, including opportunities to: join the Working Group or one of the *ad hoc* working groups; participate in multiple opportunities to provide your feedback and ideas; and provide feedback on drafts as they come available. Everyone has an important role to play in this very collaborative and iterative strategic planning process, and we look forward to hearing your ideas and working with everyone throughout this process.

## **II. Enhancing Academic Policies, Procedures, and Processes**

Work is ongoing under the following key areas, with the goal of streamlining processes and enhancing accessibility:

- **Establishing a Prior Learning Assessment and Recognition (PLAR) Process:**  
Mark Bishop, Registrar, is continuing to work on the PLAR document and combine information he gathered from his trip to University of New Brunswick in December, with the aim of bringing it to Senate in early 2025.
- **Additional Academic Policy Enhancements & Adjustments:**  
Under the leadership of Mark Bishop, Registrar, we are also looking to streamline and enhance existing academic policies related to GPA Alignment and Transfer Credits, to better support students, staff, Heads/Directors, and Deans. Conversations and work on these processes are ongoing.

In addition to these initiatives, there is also ongoing work with the AVP Equity, Diversity, Inclusion and Anti-Racism, the Office of L'nu Affairs and Indigenization, and the Academic Program Development, Quality Assurance, and Planning offices on enhancing policies and procedures.

## **III. Committee Reinvigoration & Examination: Updates**

Some updates include:

- **Academic Planning Committee:** The Academic Planning Committee is continuing its work to make recommendations on academic planning processes, including taking in feedback from members of Senate and the broader university community. The APC met the first week of December to discuss feedback from the Faculty Council meeting on November 28<sup>th</sup>, and work is ongoing to create recommendations for enhancing clarity and transparency for unit planning processes. For next steps, we have invited all Heads and Directors to our meeting on January 31<sup>st</sup> to receive important feedback and insights.

## **IV. Enhance, Strengthen, and Develop Relationships with Indigenous and African Nova Scotian Communities**

Some key ongoing initiatives include:

1. **Indigenous Cluster Hire:** The process for hiring for the remaining Indigenous cluster hire position is underway. As part of this process, a call has been issued to all

departments who are interested in hosting an Indigenous cluster hire position to put forward a brief proposal of their interest and how they will support this position. There is an open meeting on January 20<sup>th</sup>, 2025 with Zabrina Whitman, where departments can seek feedback on their ideas and proposals. The job ad will be created based on the submissions from interested units. A hiring committee will be formed in the coming months.

2. **Nursing Program Curriculum Partnerships:** Work will be starting in early 2025 with the 13 Mi'kmaq health directors and Tajikeyimik Health Authority to start to work together on Acadia's Nursing program and curriculum development.

### **V. Streamlining & Unifying Academic & Financial Portfolios and Planning**

I am continuing to work closely with Erin Beaudin, VP Finance and Administration and CFO, to streamline the academic and financial processes, and unify our portfolios to strengthen and enhance the academic sector procedures, particularly around budgeting, forecasting, and faculty relations. Some key initiatives to date include:

- **Collaborative Budgeting Planning:** We are continuing to work on re-designing the academic budgeting process to provide more collaborative input from the academic portfolios, and to align with the new budgeting processes being developed in the VP Finance and Administration Portfolio. Excellent feedback was received during the Budget retreat on December 12, 2024, which is being incorporated into budget feedback.
- **Enhancing the Faculty Model:** We are working on enhancing the faculty model by combining data from the Provost's Office, the VP Finance and Administration Portfolio, and AUFA's files. As part of this process, the faculty model is being rebuilt so that all parties have near-real-time access to faculty complement numbers, planning, and forecasting.

### **Academic Faculties & Units Updates**

#### **Pure and Applied Science: Jeff Hooper**

- While Science didn't have an update for this Senate Report, I am pleased to share that the proposal for the Certificate in Mathematics Teaching (Grades 5-9) was approved by the MPHEC! Congratulations to all involved in this process!

#### **The Vaughan Memorial Library: Jennifer Richard**

- The Library will offer library orientation sessions to new incoming students on Jan 7, 8 and 9. These sessions were designed to introduce new students to library resources, services, and spaces and will conclude with a trip to the Archives.

Respectfully submitted,



**Ashlee Cunsolo, PhD (she/her)**  
Provost and Vice-President Academic

**ASSOCIATE VICE-PRESIDENT RESEARCH, INNOVATION, AND  
GRADUATE STUDIES REPORT TO SENATE – JANUARY 2025**

No report received as of January 9, 2025.

**VICE-PRESIDENT STUDENT EXPERIENCE REPORT TO SENATE –  
JANUARY 2025**

Dear Senators,

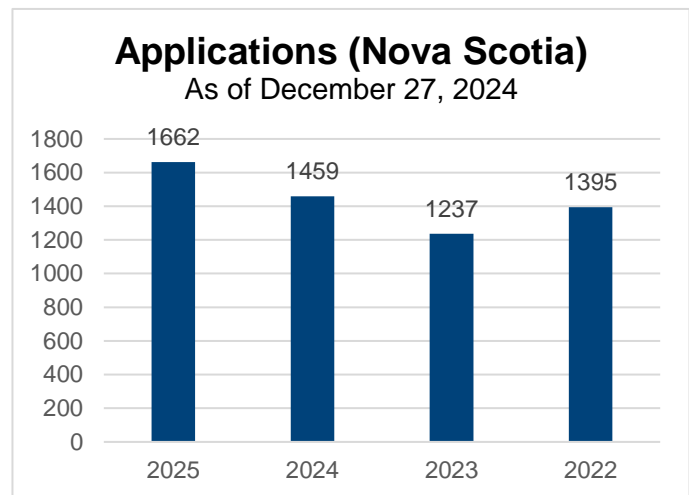
As this report is positioned between two scheduled Board meetings for which the Senate will receive comprehensive updates, I am providing a concise interim overview of applications and admissions at this mid-year juncture.

While the Fall recruitment season is an important indicator of September enrolment, we will continue to track applications very closely over the coming months.

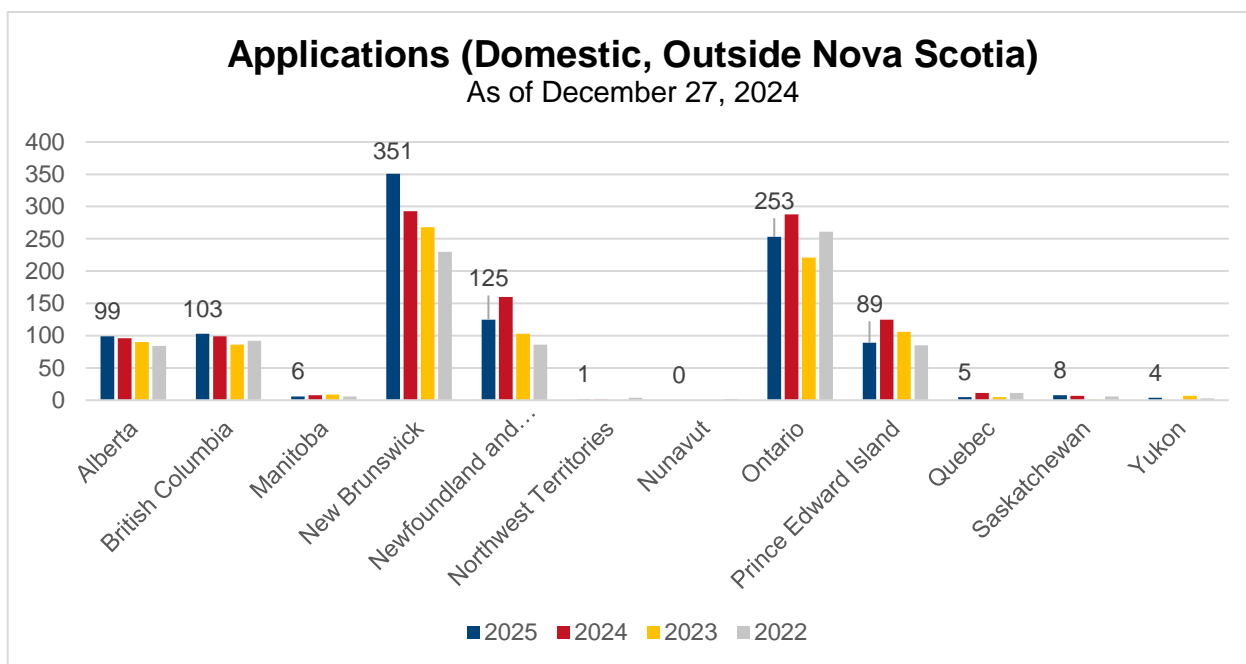
**1. Domestic Applications**

Interest in Acadia from our home province continues to be strong. However, much of that increase is generated by our limited-enrolment Nursing program as we will explore later.

Applications from NB, AB, and BC are also showing growth, while ON, NL, and PE have declined after high marks last year.







#### Domestic Admitted & Paid

It is a little early to use Admitted & Paid numbers to predict Fall enrolment but here are the numbers as they stood on December 27, 2024. These are domestic students who have accepted their offer of admissions. Total Admitted & Paid reached 280, 55 more than this time last year. However, this variance is mostly due to providing Nursing offers of admissions earlier this year.

#### Domestic Admitted & Paid

As of December 27, 2024

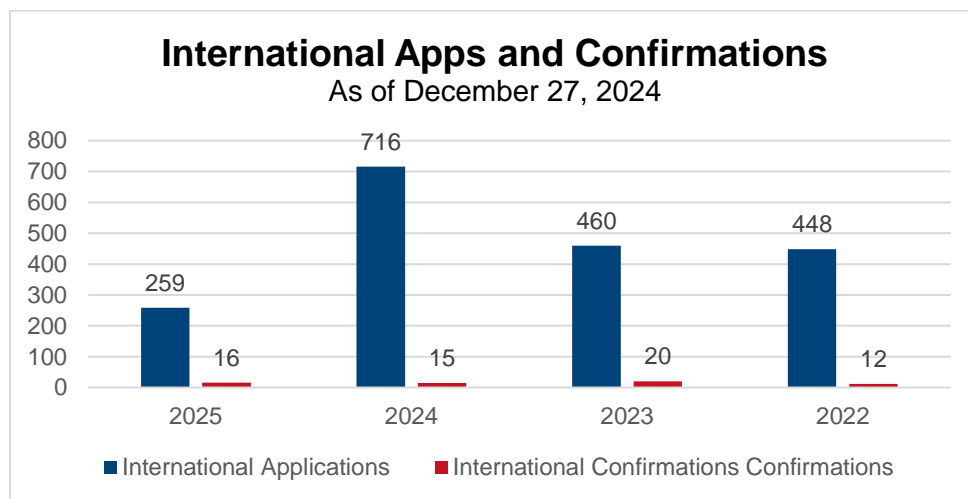
	2025	2024	2023	2022
Alberta	7	13	6	13
British Columbia	3	2	4	0
Manitoba	0	2	1	0
New Brunswick	27	30	20	24
Newfoundland and Labrador	14	8	6	9
Northwest Territories	0	0	0	1
Nova Scotia	208	146	151	197
Nunavut	0	0	0	0
Ontario	15	14	7	11
Prince Edward Island	6	10	11	8
Quebec	0	0	0	0
Saskatchewan	0	0	0	1
Yukon	0	0	0	0

## 2. International Applications and Admitted & Paid

The international picture will be extremely difficult to predict all year. The impact of the Federal regulations restricting international enrolment are deeply impacting Canada's brand globally and requires a completely new student recruitment strategy.

Acadia's top priorities in international enrolment under these new conditions is to rely less on multinational agencies and more on 1-on-1, face-to-face initiatives with prospective students, and maintain diversity of market to be able to withstand seemingly regular geopolitical turmoil. The international enrolment team now interviews all prospects with an offer from Acadia, spends time in market to ensure strong relationships are forged and maintained with key stakeholders in government and within school systems, and Acadia's confirmation deposit has been raised to \$5,000 to ensure we are working with students who have full intention of joining us in the Fall.

As of the end of the first term (still quite early in the international recruitment cycle), applications are down 63%. However, early confirmation numbers are tracking well with the last few years with 16 students having provided their \$5,000 deposit. The coming months will be important to monitor.



Overall, Domestic applications are up 6% over this time last year, and international applications are down 63%, while confirmations are up 24% and 7% respectively.

## 3. Applications and Admitted & Paid by Program

While applications overall look good, a by-program breakdown reveals that much of that growth is concentrated in a few programs. Many programs have received less interest than the same time last year, although the decline in international applications explains some of this.

## Total Applications and Admitted & Paid, by Program

As of December 27, 2024

Faculty	Degree	Major	Admitted and Paid		Applications	
			2025	2024	2025	2024
Prof Studies	BKIN		49	37	371	343
Science	BSC	BIOL	44	34	380	402
Prof Studies	BBA		43	25	366	442
Prof Studies	BSCN		19	3	334	259
Arts	BA	PSYC	15	14	177	201
Science	BSC	PSYC	13	20	113	141
Science	BASC		13	8	107	125
Arts	BA	ENGL	10	8	100	89
Arts	BA	SOCI	9	4	81	97
Prof Studies	BSCN	LPN	8	0	62	0
Arts	BA	LAWS	7	8	122	106
Science	BSC	CHEM	7	7	84	93
Science	BSC	MATH	6	0	31	32
Science	CAS		5	9	79	78
Science	BCS		5	10	74	150
Science	BSN		5	9	47	61
Science	BSC	PHYS	5	2	29	26
Prof Studies	BSCN	ADV	4	0	48	0
Prof Studies	BCD		4	6	25	33
Arts	BA	HIST	3	4	46	53
Science	BSC	ENVS	3	6	32	57
Arts	BA	ESST	3	4	25	39
Science	BACS		2	5	42	107
Arts	BA	POLS	2	0	32	28
Arts	BA	THEA	2	5	23	16
Science	BSC	ENGO	2	0	8	9
Arts	BA	WGST	2	2	6	20
Prof Studies	MUSI		1	3	23	33
Arts	BA	MATH	1	0	9	9
Prof Studies	BCD	ESST	1	1	8	17
Arts	BA	CLAS	1	1	7	8
Arts	BA	FREN	1	0	6	7
Arts	BA	ECON	0	0	12	45
Science	BSC	GEOL	0	0	9	16
Arts	BA	PHIL	0	1	8	17
Science	BSC	ECON	0	0	8	11
Arts	BA	CDNS	0	0	2	5

Arts	BA	GERM	0	0	1	3
Arts	SM	ESST	0	1	0	1
Prof Studies	BED	ELEM	0	0	0	54
Prof Studies	BED	SECO	0	0	0	75
Science	CCS		0	0	0	3

Looking at Admitted & Paid (students who have accepted their offer), we see a slightly less concerning trend. Overall, Admitted & Paid numbers were at 295 on December 27 as compared to 237 last year. However, it should be noted that Nursing confirmations began earlier this year, which accounts for much of the positive variance.

Faculty	Degree	Major	2025	2024	2025/2024
Prof					
Studies	BKIN		49	37	132%
Science	BSC	BIOL	44	34	129%
Prof					
Studies	BBA		43	25	172%
Prof					
Studies	BSCN		19	3	633%
Arts	BA	PSYC	15	14	107%
Science	BASC		13	8	163%
Science	BSC	PSYC	13	20	65%
Arts	BA	ENGL	10	8	125%
Arts	BA	SOCI	9	4	225%
Prof					
Studies	BSCN	LPN	8	0	-
Arts	BA	LAWS	7	8	88%
Science	BSC	CHEM	7	7	100%
Science	BSC	MATH	6	0	-
Science	BCS		5	10	50%
Science	BSC	PHYS	5	2	250%
Science	BSN		5	9	56%
Science	CAS		5	9	56%
Prof					
Studies	BCD		4	6	67%
Prof					
Studies	BSCN	ADV	4	0	-
Arts	BA	ESST	3	4	75%
Arts	BA	HIST	3	4	75%
Science	BSC	ENVS	3	6	50%
Arts	BA	POLS	2	0	-
Arts	BA	THEA	2	5	40%

Arts	BA	WGST	2	2	100%
Science	BACS		2	5	40%
Science	BSC	ENGO	2	0	-
Arts	BA	CLAS	1	1	100%
Arts	BA	FREN	1	0	-
Arts	BA	MATH	1	0	-
Prof					
Studies	BCD	ESST	1	1	100%
Prof					
Studies	MUSI		1	3	33%
Arts	BA	CDNS	0	0	-
Arts	BA	ECON	0	0	-
Arts	BA	GERM	0	0	-
Arts	BA	PHIL	0	1	0%
Arts	SM	ESST	0	1	0%
Prof					
Studies	BED	ELEM	0	0	-
Prof					
Studies	BED	SECO	0	0	-
Science	BSC	ECON	0	0	-
Science	BSC	GEOL	0	0	-
Science	CCS		0	0	-

We evaluate all marketing and student recruitment activities in early January, looking to better understand what is working and what needs to be adjusted. With the March 1 scholarship application deadline only seven weeks away, every interaction with prospective students matters, whether it is engaging with them on campus tours or answering email inquiries. Thank you for the time you take with prospective students – it makes a huge difference.

With warmest regards,

Scott Duguay

#### **ACADIA STUDENTS' UNION REPORT TO SENATE – JANUARY 2025**

No report received as of January 9, 2025.

#### **ACADIA DIVINITY COLLEGE AND FACULTY OF THEOLOGY REPORT TO SENATE – JANUARY 2025**

- On December 5–6, 2024, Dr. Anna Robbins delivered a presentation on futuring for strategic planning to the Board of Directors of the Association of Theological Schools in Pittsburgh.

- From December 10–12, 2024, Dr. Robbins served as the keynote speaker at a gathering of executive leaders from seminaries affiliated with the Association of Theological Schools in Phoenix, focusing on futuring, AI, and strategic planning.
- Recently, Dr. Anna Robbins was interviewed by Faith & Leadership on AI in theological education. Faith & Leadership is a learning resource for Christian leaders and their institutions from Leadership Education at Duke Divinity School. <https://faithandleadership.com/anna-robbins-what-happens-when-seminary-course-ai-generated>

**Motion from the Senate Graduate Studies Committee:** Motion that five changes within the MAK Kinesiology program and that twenty-four changes within the MSC Computer Science program be approved.

**Five changes within the MAK Kinesiology program:**

New Course KINE 5883, Course Modification KINE 5103, Course Modification KINE 5113, Course Modification KINE 5123, Course Modification KINE 5143 / 5140L.

NOTE: There is one change (KINE-5883) that indicates that the course will only be available to MAK students.

**Twenty-four changes within the MSC Computer Science program:**

MPHEC has required that we have “named” graduate courses to replace our “topics” courses for our graduate program. In particular, they are requiring courses in the three areas of theory, applications, and systems. We currently have three “Topics in X” courses in each of the three topic areas. We are deleting 6 of those 9 courses, and adding several (18) new courses.

Course Deletions: COMP 5023, COMP 5033, COMP 5123, COMP 5133, COMP 5223, COMP 5233 New Courses: COMP 5403 (reused number), COMP 5413 (reused number), COMP 5423, COMP 5433, COMP 5443, COMP 5453, COMP 5463, COMP 5503 (reused number), COMP 5513, COMP 5543, COMP 5563, COMP 5573, COMP 5583, COMP 5143, COMP 5153, COMP 5163, COMP 5173, COMP 5183

**Acadia University Senate Curriculum Committee (Administrative)**

**2024-2025 Form 1: New Course Proposal**

Department or School:	School of Kinesiology
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-09-13

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	KINE 5883
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Independent Study in Applied Kinesiology
Abbreviated title for transcripts (if needed): <b>MAXIMUM 30 characters</b>	Applied Independent Study
<p>Provide Calendar description for the course below. (MAXIMUM 60 words)                      A substantial evaluation or study chosen in consultation with a faculty advisor to reflect student interest.                      Such a study may be based on field, laboratory, or library study.</p>	
Prerequisites:	MAK students only
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	No
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
<p>If you chose 'Yes', please explain.                      Click or tap here to enter text.</p>	
<p>Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used).                      This course requires the student to conduct an evaluation or study in a specific area of interest to them and of relevance to their program stream. This is done under the supervision of a KINE faculty member. The objectives of this course will be accomplished primarily through student-directed study with the instructor available for direction and support. A major paper will be prepared, which will present a clear rationale for the project, the methods used, results found as well as a discussion of the implications of the findings.</p>	



Explain the rationale for proposing this course below. Please be specific.  
 The MAK program is in need of graduate level electives, particularly for those students studying in the course-based coaching and exercise professional streams. An independent study course offers students the opportunity to practice formal evaluation skills needed for their professional area of study. Further, this course can serve as an opportunity for MAK students in the applied research stream to conduct pilottesting of any methodological approaches to serve as the basis for their larger thesis project. Adding this elective to the slate of courses available to MAK students is in line with the options provided in other graduate level Kinesiology programs in the area (i.e. Dalhousie).

Is a course with similar content offered at other universities?	Yes
---	-----

If you chose 'Yes', at which universities, and at what level?  
 Independent study courses in the Health sciences are common at most universities at both the undergraduate and graduate level. Below is a focused list including similar courses offered in Kinesiology programs at Acadia, Dalhousie and StFX.  
 Acadia – Undergraduate – KINE 4083 – Independent Study

Dalhousie – Undergraduate - HPRO 4800 Independent Study; HPRO 4801 Directed Study; HPRO 4802

Directed Study2; KINE 4800 Independent Study; KINE 4801 Directed Study; KINE 4802 Directed Study Dalhousie – Graduate - KINE 5601 Independent Study; KINE 5602 Independent Study

StFX – Undergraduate – HKIN 499 Directed Study

<b>Enrolment</b>	
Estimated Enrolment:	2
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.            Enrolment will be limited to MAK students and dependent on the student finding a faculty member that agrees to supervise them in the course.</p>	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	No If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. The introduction of this course is to provide a graduate level elective to students enrolled in the new MAK program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? The creation of this course is in response to discussions with current students in the coaching stream of the program who expressed a desire to have the flexibility to pursue more applied, in the field experiences for credit as an elective.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. <a href="#">Click or tap here to enter text.</a>	
Has the proposal been discussed with other appropriate units?	NA
If you chose 'Yes', to what extent and what was the response? <a href="#">Click or tap here to enter text.</a>	

Frequency of offering:	<input checked="" type="checkbox"/> Every year <input type="checkbox"/> Alternate years <input type="checkbox"/> Other: <a href="#">Click or tap here to enter text.</a>
------------------------	--

### Library Resources (as applicable)

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	This course option requires students to be supervised by a faculty member who agrees to take them on. This model is used frequently at both the undergraduate and graduate level for directed readings courses and the existing undergraduate independent study course
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: <a href="#">Click or tap here to enter text.</a>

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	NA
Provide a list of available materials in the library that would be suitable for use in this course. <a href="#">Click or tap here to enter text.</a>	
Provide a list of desirable materials for acquisition by the library. <a href="#">Click or tap here to enter text.</a>	

<b>Technology Support (as applicable)</b>	
---	--

Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	NA
What technological resources or assistance, if any, will be required? <a href="#">Click or tap here to enter text.</a>	

<b>Additional Information</b>	
-------------------------------	--

Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below. <a href="#">Click or tap here to enter text.</a>	
---	--

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025  
Form 3: Proposed Modification to an Existing Course**

Department or School:	Kinesiology	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-09-13	
Type of modifications (check all that apply) <input type="checkbox"/> *change in course number or title within same year <input checked="" type="checkbox"/> change in course number or title not in same year <input type="checkbox"/> change in calendar description <input type="checkbox"/> change in course weight (credit hours) <input type="checkbox"/> change in prerequisite(s) <input type="checkbox"/> change in course level <input type="checkbox"/> other. Please explain: Click or tap here to enter text. <b>(* Request may go directly to Senate. Does not require curriculum committee approval)</b>		

<b>Modified Course Information</b>		
Course code - discipline & number (e.g. HIST 2223):	KINE 5103	
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes	
Proposed course title:	Fall Professional Placement	
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.	
Provide Calendar description for the course below: (MAXIMUM 60 words) Students will complete 15h/week of professional placement combined with self-directed study to develop theoretical and practical competencies in applied exercise physiology (total 150 hours). Placements will be identified in the community in coordination with the faculty supervisor and students will work with one or more programs focusing on healthy or special populations, high performance or in occupational environments.		
Prerequisites:	None.	
Corequisites:	Click or tap here to enter text.	
Antirequisites:	Click or tap here to enter text.	
<b>Current Course Information</b>		
Course code – discipline & number:	KINE 5103	
Course Title:	Professional Placement 1	
Calendar description: (MAXIMUM 60 words) Students will complete 15h/week of professional placement combined with self-directed study to develop theoretical and practical competencies in applied exercise physiology (total 150 hours). Placements will be identified in the community in coordination with the faculty supervisor and students		

will work with one or more programs focusing on healthy or special populations, high performance or in occupational environments.

Prerequisites:	None.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.

Briefly state the reason for requesting this modification. Please be specific.  
 The modification involves changing the title of the course title from "Professional Placement 1" to "Fall Professional Placement". Currently, there are Professional Placement courses 1, 2, and 3, which implies that they should be completed sequentially. We are requesting modification of the titles and prerequisites (where applicable) for all three courses such that students have the added flexibility to take the courses in any particular order.

### Anticipated Impacts & Consultations

Will the modified course serve the same purpose as the existing course with respect to other courses or programs in your Department/School or those in other Departments/Schools?	Yes
---	-----

If you chose 'No', please explain.  
 Click or tap here to enter text.

Will this modification alter, in any substantive way, the way the course is currently delivered?	No If you chose 'No', you may skip the rest of this section.
--	---

Briefly state how the modification will change the delivery of the course. Click or tap here to enter text.

Has the proposed modification been discussed with students?	Yes
If you chose 'Yes', do students approve of the modification?	Yes

If you answered 'No' for either of the two questions above, please explain. Click or tap here to enter text.

### Teaching Resources

Are there qualified faculty members available to teach the modified course?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	

### Library Resources (as applicable)

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	N/A
--	-----

Provide a list of available materials in the library that would be suitable for use in this course. Click or tap here to enter text.

Provide a list of desirable materials for acquisition by the library. Click or tap here to enter text.

### **Technology Support (as applicable)**

Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?

N/A

What technological resources or assistance, if any, will be required? Click or tap here to enter text.

### **Additional Information**

Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.  
Click or tap here to enter text.

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025**

**Form 3: Proposed Modification to an Existing Course**

Department or School:	Kinesiology	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-09-13	
Type of modifications (check all that apply) <input type="checkbox"/> *change in course number or title within same year <input checked="" type="checkbox"/> change in course number or title not in same year <input type="checkbox"/> change in calendar description <input type="checkbox"/> change in course weight (credit hours) <input checked="" type="checkbox"/> change in prerequisite(s) <input type="checkbox"/> change in course level <input type="checkbox"/> other. Please explain: Click or tap here to enter text. (* Request may go directly to Senate. Does not require curriculum committee approval)		

<b>Modified Course Information</b>		
Course code - discipline & number (e.g. HIST 2223):	KINE 5113	
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes	
Proposed course title:	Winter Professional Placement	
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.	
Provide Calendar description for the course below: (MAXIMUM 60 words) Students will complete 15h/week of professional placement combined with self-directed study toward preparation of theoretical and practical competencies in clinical exercise physiology (total 150 hours). Placements will be identified in the community in coordination with the faculty supervisor and may involve one or more programs focusing on clinical populations.		
Prerequisites:	None.	
Corequisites:	Click or tap here to enter text.	
Antirequisites:	Click or tap here to enter text.	
<b>Current Course Information</b>		
Course code – discipline & number:	KINE 5113	
Course Title:	Professional Placement 2	
Calendar description: (MAXIMUM 60 words) Students will complete 15h/week of professional placement combined with self-directed study toward preparation of theoretical and practical competencies in clinical exercise physiology (total 150 hours). Placements will be identified in the community in coordination with the faculty supervisor and may involve one or more programs focusing on clinical populations.		

Prerequisites:	Take KINE-5103 - Must be taken either prior to or at the same time as this course.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
<p>Briefly state the reason for requesting this modification. Please be specific.  The modification involves changing the title of the course title from "Professional Placement 2" to "Winter Professional Placement" and removing the prerequisite of KINE 5103. Currently, there are Professional Placement courses 1, 2, and 3, which implies that they should be completed sequentially. We are requesting modification of the titles and prerequisites (where applicable) for all three courses such that students have the added flexibility to take the courses in any particular order.</p>	

<b>Anticipated Impacts &amp; Consultations</b>	
Will the modified course serve the same purpose as the existing course with respect to other courses or programs in your Department/School or those in other Departments/Schools?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	
Will this modification alter, in any substantive way, the way the course is currently delivered?	No If you chose 'No', you may skip the rest of this section.
Briefly state how the modification will change the delivery of the course. Click or tap here to enter text.	
Has the proposed modification been discussed with students?	Yes
If you chose 'Yes', do students approve of the modification?	Yes
If you answered 'No' for either of the two questions above, please explain. Click or tap here to enter text.	

<b>Teaching Resources</b>	
Are there qualified faculty members available to teach the modified course?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	N/A
Provide a list of available materials in the library that would be suitable for use in this course. Click or tap here to enter text.	



Provide a list of desirable materials for acquisition by the library. Click or tap here to enter text.

Technology Support (as applicable)

Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?

N/A

What technological resources or assistance, if any, will be required? Click or tap here to enter text.

**Additional Information**

Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.  
Click or tap here to enter text.

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025**

**Form 3: Proposed Modification to an Existing Course**

Department or School:	Kinesiology	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-09-13	
Type of modifications (check all that apply) <input type="checkbox"/> *change in course number or title within same year <input checked="" type="checkbox"/> change in course number or title not in same year <input type="checkbox"/> change in calendar description <input type="checkbox"/> change in course weight (credit hours) <input checked="" type="checkbox"/> change in prerequisite(s) <input type="checkbox"/> change in course level <input type="checkbox"/> other. Please explain: Click or tap here to enter text. (* Request may go directly to Senate. Does not require curriculum committee approval)		

<b>Modified Course Information</b>		
Course code - discipline & number (e.g. HIST 2223):	KINE 5123	
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes	
Proposed course title:	Summer Professional Placement	
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.	
Provide Calendar description for the course below: (MAXIMUM 60 words) Students will complete a 30h/week (full-time; total 300 hours) of professional placement experiences in applied physiology environments. This course must be supervised or co-supervised by a faculty member in the School of Kinesiology.		
Prerequisites:	None.	
Corequisites:	Click or tap here to enter text.	
Antirequisites:	Click or tap here to enter text.	
<b>Current Course Information</b>		
Course code – discipline & number:	KINE 5123	
Course Title:	Professional Placement 3	
Calendar description: (MAXIMUM 60 words) Students will complete a 30h/week (full-time; total 300 hours) of professional placement experiences in applied physiology environments. This course must be supervised or co-supervised by a faculty member in the School of Kinesiology.		
Prerequisites:	Take KINE-5113 - Must be taken either prior to or at the same time as this course.	

Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
<p>Briefly state the reason for requesting this modification. Please be specific.  The modification involves changing the title of the course title from "Professional Placement 3" to "Summer Professional Placement" and removing the prerequisite of KINE 5113. Currently, there are Professional Placement courses 1, 2, and 3, which implies that they should be completed sequentially. We are requesting modification of the titles and prerequisites (where applicable) for all three courses such that students have the added flexibility to take the courses in any particular order.</p>	

<b>Anticipated Impacts &amp; Consultations</b>	
Will the modified course serve the same purpose as the existing course with respect to other courses or programs in your Department/School or those in other Departments/Schools?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	
Will this modification alter, in any substantive way, the way the course is currently delivered?	No If you chose 'No', you may skip the rest of this section.
Briefly state how the modification will change the delivery of the course. Click or tap here to enter text.	
Has the proposed modification been discussed with students?	Yes
If you chose 'Yes', do students approve of the modification?	Yes
If you answered 'No' for either of the two questions above, please explain. Click or tap here to enter text.	

<b>Teaching Resources</b>	
Are there qualified faculty members available to teach the modified course?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	N/A
Provide a list of available materials in the library that would be suitable for use in this course. Click or tap here to enter text.	
Provide a list of desirable materials for acquisition by the library. Click or tap here to enter text.	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	N/A
What technological resources or assistance, if any, will be required? Click or tap here to enter text.	

<b>Additional Information</b>
Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below. Click or tap here to enter text.

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025**

**Form 3: Proposed Modification to an Existing Course**

Department or School:	Kinesiology	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-09-13	
Type of modifications (check all that apply) <input type="checkbox"/> *change in course number or title within same year <input type="checkbox"/> change in course number or title not in same year <input type="checkbox"/> change in calendar description <input type="checkbox"/> change in course weight (credit hours) <input type="checkbox"/> change in prerequisite(s) <input type="checkbox"/> change in course level <input checked="" type="checkbox"/> other. Please explain: Click or tap here to enter text. (* Request may go directly to Senate. Does not require curriculum committee approval)		

<b>Modified Course Information</b>	
Course code - discipline & number (e.g. HIST 2223):	KINE 5143 / 5140L
Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?	No
Proposed course title:	Advanced Assessment 1
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Students will develop advanced competency in field and laboratory testing across a broad scope of practice. Theory and laboratory skills are applied in fitness testing, interpretation and counseling for use with individuals and groups, in healthy and special populations and in clinical, high performance, and workplace settings.(3hrs)
Provide Calendar description for the course below: (MAXIMUM 60 words) Click or tap here to enter text.	
Prerequisites:	KINE-5143 – Must be taken at the same time as this course.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
<b>Current Course Information</b>	
Course code – discipline & number:	KINE 5143
Course Title:	Advanced Assessment 1
Calendar description: (MAXIMUM 60 words) Students will develop advanced competency in field and laboratory testing across a broad scope of practice. Theory and laboratory skills are applied in fitness testing, interpretation and counseling for use with individuals and groups, in healthy and special populations and in clinical, high performance, and workplace settings.	
Prerequisites:	Click or tap here to enter text.

Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
<p>Briefly state the reason for requesting this modification. Please be specific.          Explain the rationale for proposing this course below. Please be specific.          KINE 5143 involves the development and application of laboratory skills for use in a wide range of settings. The course description for KINE 5143 already mentions laboratory skills and testing, but because a laboratory component does not currently exist, students have been asked to set aside time for this lab work. The proposed laboratory section would allow students to formally register for the laboratory component of KINE 5143 and clarify course expectations.</p>	

<b>Anticipated Impacts &amp; Consultations</b>	
Will the modified course serve the same purpose as the existing course with respect to other courses or programs in your Department/School or those in other Departments/Schools?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	
Will this modification alter, in any substantive way, the way the course is currently delivered?	No If you chose 'No', you may skip the rest of this section.
Briefly state how the modification will change the delivery of the course. Click or tap here to enter text.	
Has the proposed modification been discussed with students?	Choose an item.
If you chose 'Yes', do students approve of the modification?	Choose an item.
If you answered 'No' for either of the two questions above, please explain. Click or tap here to enter text.	

<b>Teaching Resources</b>	
Are there qualified faculty members available to teach the modified course?	Yes
If you chose 'No', please explain. Click or tap here to enter text.	

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	N/A
Provide a list of available materials in the library that would be suitable for use in this course. Click or tap here to enter text.	
Provide a list of desirable materials for acquisition by the library. Click or tap here to enter text.	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	N/A
What technological resources or assistance, if any, will be required? Click or tap here to enter text.	

<b>Additional Information</b>
Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below. Click or tap here to enter text.

MPHEC has required that we have “named” graduate courses to replace our “topics” courses for our graduate program. In particular, they are requiring courses in the three areas of theory, applications, and systems. We currently have three “Topics in X” courses in each of the three topic areas. We are deleting 6 of those 9 courses, and adding several (18) new courses. Note: I expect that there will be some fine-tuning to the course offerings as the program settles out.

**Deleted:**

COMP 5023 – Topics in Theoretical Computer Science 2  
COMP 5033 – Topics in Theoretical Computer Science 3  
COMP 5123 – Topics in Applications in Computer Science 2  
COMP 5133 – Topics in Applications in Computer Science 3  
COMP 5223 – Topics in Systems in Computer Science 2  
COMP 5233 – Topics in Systems in Computer Science 3

**Added:**

**Theory:**

- COMP 5403 – Advanced Algorithm Analysis (reused number)
- COMP 5413 – Advanced Formal Languages and Computing Complexity (reused number)
- COMP 5423 – Cryptography and Network Security
- COMP 5433 – Evolutionary Computation
- COMP 5443 – Image Processing
- COMP 5453 – Knowledge Representation and Reasoning
- COMP 5463 – Principles of Programming

**Systems:**

- COMP 5503 – Simulation and Modelling (reused number)
- COMP 5513 – Introduction to Intelligent Systems
- COMP 5543 – Data Mining
- COMP 5563 – Computer Vision
- COMP 5573 – High Performance and Parallel Computing
- COMP 5583 – Multi-Agent Systems

**Applications:**

- COMP 5143 – Software Foundations
- COMP 5153 – AI in Computer Security
- COMP 5163 – Internet of Things Programming
- COMP 5173 – Neural Networks
- COMP 5183 – Machine Learning with Real-World Data



**Acadia University Senate Curriculum Committee (Administrative) 2024-2025  
Form 2: Proposed Course Deletion**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council:	2024-11-22

<b>Course Information &amp; Rationale</b>	
Course code to be deleted – discipline & number:	COMP 5023
Title of course to be deleted:	Topics in Theoretical Computer Science 2
Reasons for requesting the deletion. Please be specific. MPHEC requires a that we have named courses with set topics for our MSc program. We will not be using this course.	

<b>Anticipated Impacts &amp; Consultations</b>	
Was the course a requirement for a major?	No
Is the course currently cross-listed?	No
Has the proposed deletion been discussed with the concerned programs or departments?	N/A
What is the effect of deleting the course on other courses and programs of the department/school or of other departments/schools? N/A -- This is a masters level course that does not have an enrolment from other departments or schools.	
Has the deletion been discussed with students of the department/school?	Yes
If yes, to what extent and what was the response? The students were in agreement for this deletion.	
Will any resources be made available by this deletion?	No
If yes, how will these be used? Click or tap here to enter text.	

<b>Related Changes</b>	
Are any new courses being added in conjunction with this course deletion?	Yes If yes, please complete the corresponding Form 1 (New Course Proposal)
Is this part of an extended change in a program?	Yes
If yes, please explain. We are revamping our MSc courses in line with MPHEC's requirements for the Project and Course-based MSc in Computer Science programs.	

<b>Additional Information</b>
-------------------------------

Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.

[Click or tap here to enter text.](#)

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025**

**Form 2: Proposed Course Deletion**

Department or School:	Jodrey School of Computer Science	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-11-22	

**Course Information & Rationale**

Course code to be deleted – discipline & number:	COMP 5033
Title of course to be deleted:	Topics in Theoretical Computer Science 3
Reasons for requesting the deletion. Please be specific. MPHEC requires a that we have named courses with set topics for our MSc program. We will not be using this course.	

**Anticipated Impacts & Consultations**

Was the course a requirement for a major?	No
Is the course currently cross-listed?	No
Has the proposed deletion been discussed with the concerned programs or departments?	N/A
What is the effect of deleting the course on other courses and programs of the department/school or of other departments/schools? N/A -- This is a masters level course that does not have an enrolment from other departments or schools.	
Has the deletion been discussed with students of the department/school?	Yes
If yes, to what extent and what was the response? The students were in agreement for this deletion.	
Will any resources be made available by this deletion?	No
If yes, how will these be used? <a href="#">Click or tap here to enter text.</a>	

**Related Changes**

Are any new courses being added in conjunction with this course deletion?	Yes If yes, please complete the corresponding Form 1 (New Course Proposal)
Is this part of an extended change in a program?	Yes
If yes, please explain. We are revamping our MSc courses in line with MPHEC's requirements for the Project and Course-based MSc in Computer Science programs.	

### Additional Information

Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.

Click or tap here to enter text.

### Acadia University Senate Curriculum Committee (Administrative) 2024-2025

### Form 2: Proposed Course Deletion

Department or School:	Jodrey School of Computer Science	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-11-22	

### Course Information & Rationale

Course code to be deleted – discipline & number:	COMP 5123
Title of course to be deleted:	Applications in Computer Science 2
Reasons for requesting the deletion. Please be specific. MPHEC requires a that we have named courses with set topics for our MSc program. We will not be using this course.	

### Anticipated Impacts & Consultations

Was the course a requirement for a major?	No
Is the course currently cross-listed?	No
Has the proposed deletion been discussed with the concerned programs or departments?	N/A
What is the effect of deleting the course on other courses and programs of the department/school or of other departments/schools? N/A -- This is a masters level course that does not have an enrolment from other departments or schools.	
Has the deletion been discussed with students of the department/school?	Yes
If yes, to what extent and what was the response? The students were in agreement for this deletion.	
Will any resources be made available by this deletion?	No
If yes, how will these be used? Click or tap here to enter text.	

### Related Changes

Are any new courses being added in conjunction with this course deletion?	Yes If yes, please complete the corresponding Form 1 (New Course Proposal)
Is this part of an extended change in a program?	Yes

If yes, please explain.  
 We are revamping our MSc courses in line with MPHEC's requirements for the Project and Course-based MSc in Computer Science programs.

**Additional Information**

Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.  
 Click or tap here to enter text.

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025  
 Form 2: Proposed Course Deletion**

Department or School:	Jodrey School of Computer Science	
Presented to Faculty Council?	Yes	
Date presented (or will be) to Faculty Council:	2024-11-22	

<b>Course Information &amp; Rationale</b>	
Course code to be deleted – discipline & number:	COMP 5133
Title of course to be deleted:	Applications in Computer Science 3
Reasons for requesting the deletion. Please be specific. MPHEC requires a that we have named courses with set topics for our MSc program. We will not be using this course.	

<b>Anticipated Impacts &amp; Consultations</b>	
Was the course a requirement for a major?	No
Is the course currently cross-listed?	No
Has the proposed deletion been discussed with the concerned programs or departments?	N/A
What is the effect of deleting the course on other courses and programs of the department/school or of other departments/schools? N/A -- This is a masters level course that does not have an enrolment from other departments or schools.	
Has the deletion been discussed with students of the department/school?	Yes
If yes, to what extent and what was the response? The students were in agreement for this deletion.	
Will any resources be made available by this deletion?	No
If yes, how will these be used? Click or tap here to enter text.	

**Related Changes**

Are any new courses being added in conjunction with this course deletion?	Yes If yes, please complete the corresponding Form 1 (New Course Proposal)
Is this part of an extended change in a program?	Yes
If yes, please explain. We are revamping our MSc courses in line with MPHEC's requirements for the Project and Course-based MSc in Computer Science programs.	

<b>Additional Information</b>
Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below. <a href="#">Click or tap here to enter text.</a>

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025  
Form 2: Proposed Course Deletion**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council:	2024-11-22

<b>Course Information &amp; Rationale</b>	
Course code to be deleted – discipline & number:	COMP 5223
Title of course to be deleted:	Systems in Computer Science 2
Reasons for requesting the deletion. Please be specific. MPHEC requires a that we have named courses with set topics for our MSc program. We will not be using this course.	

<b>Anticipated Impacts &amp; Consultations</b>	
Was the course a requirement for a major?	No
Is the course currently cross-listed?	No
Has the proposed deletion been discussed with the concerned programs or departments?	N/A
What is the effect of deleting the course on other courses and programs of the department/school or of other departments/schools? N/A -- This is a masters level course that does not have an enrolment from other departments or schools.	
Has the deletion been discussed with students of the department/school?	Yes
If yes, to what extent and what was the response? The students were in agreement for this deletion.	
Will any resources be made available by this deletion?	No
If yes, how will these be used? <a href="#">Click or tap here to enter text.</a>	

<b>Related Changes</b>	
Are any new courses being added in conjunction with this course deletion?	Yes If yes, please complete the corresponding Form 1 (New Course Proposal)
Is this part of an extended change in a program?	Yes
If yes, please explain. We are revamping our MSc courses in line with MPHEC's requirements for the Project and Course-based MSc in Computer Science programs.	

<b>Additional Information</b>
Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below. <a href="#">Click or tap here to enter text.</a>

**Acadia University Senate Curriculum Committee (Administrative) 2024-2025  
Form 2: Proposed Course Deletion**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council:	2024-11-22

<b>Course Information &amp; Rationale</b>	
Course code to be deleted – discipline & number:	COMP 5233
Title of course to be deleted:	Systems in Computer Science 3
Reasons for requesting the deletion. Please be specific. MPHEC requires a that we have named courses with set topics for our MSc program. We will not be using this course.	

<b>Anticipated Impacts &amp; Consultations</b>	
Was the course a requirement for a major?	No
Is the course currently cross-listed?	No
Has the proposed deletion been discussed with the concerned programs or departments?	N/A
What is the effect of deleting the course on other courses and programs of the department/school or of other departments/schools? N/A -- This is a masters level course that does not have an enrolment from other departments or schools.	
Has the deletion been discussed with students of the department/school?	Yes
If yes, to what extent and what was the response? The students were in agreement for this deletion.	
Will any resources be made available by this deletion?	No

If yes, how will these be used?  
 Click or tap here to enter text.

Related Changes	
Are any new courses being added in conjunction with this course deletion?	Yes If yes, please complete the corresponding Form 1 (New Course Proposal)
Is this part of an extended change in a program?	Yes
If yes, please explain. We are revamping our MSc courses in line with MPHEC's requirements for the Project and Course-based MSc in Computer Science programs.	

Additional Information
Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below. Click or tap here to enter text.

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

Proposed Course Information & Rationale	
Course code - discipline & number (e.g. HIST 2223):	COMP 5403
Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?	Yes
Proposed course title:	<b>Advanced Algorithm Analysis</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This advanced algorithm analysis course covers a selection of the following topics: review of asymptotic notion, The FFT (polynomials over finite fields and /or complex numbers), lower bound analysis, union-find algorithms and their analysis, Strassen's algorithm, Number theoretic algorithm, and NP completeness.	
Prerequisites:	MATH 1023
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
Requirement for a major?	No
Open to non-majors?	Yes

Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No



If you chose 'Yes', to what extent and what was the response?  
 Click or tap here to enter text.

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Click or tap here to enter text.
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p> <p>Note: This course is reusing a course number previously associated with a graduate level algorithm analysis course.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5413
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	<b>Advanced Formal Languages and Computing Complexity</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	<b>Adv Formal Lang &amp; Comp Complexity</b>
Provide Calendar description for the course below. (MAXIMUM 60 words) This course will cover the following topics: The Unsolvability of halting problem, decidable and semi decidable languages, unrestricted grammars, the Chomsky hierarchy and beyond, computable functions, introduction to the analysis of complexity, time and space complexity classes.	
Prerequisites:	COMP 3413
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

<b>Enrolment</b>	
Estimated Enrolment:	20

Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Click or tap here to enter text.
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>
--

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p> <p>Note: This course is reusing a course number from a deleted graduate course on the same topic.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5423
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	<b>Cryptography and Network Security</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	<b>Cryptography &amp; Network Security</b>
Provide Calendar description for the course below. (MAXIMUM 60 words) This course covers the core principles of cryptography and network security. Students will explore classical encryption techniques such as substitution, transposition, and product ciphers, and modern algorithms like RSA. For network security, the course examines secure communication protocols, firewalls, IDS, and defences against network attacks. Students will be able to design secure cryptographic systems and protect computer networks.	
Prerequisites:	<a href="#">Click or tap here to enter text.</a>
Corequisites:	<a href="#">Click or tap here to enter text.</a>
Antirequisites:	<a href="#">Click or tap here to enter text.</a>
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). <a href="#">Click or tap here to enter text.</a>	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? Cryptography and Security courses are offered at many universities at both the graduate and undergraduate levels.	

<b>Enrolment</b>
------------------

Estimated Enrolment:	20
Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? <a href="#">Click or tap here to enter text.</a>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? <a href="#">Click or tap here to enter text.</a>	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Amir Eaman and/or Lydia Bouzar-Benlabiod
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: <a href="#">Click or tap here to enter text.</a>
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>
--

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5433
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Evolutionary Computation
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course focuses on population-based intelligence models to simulate biological evolution for stochastic search. Necessary algorithm design considerations including representations, cost functions, and credit assignment mechanisms. The course will primarily focus on three main paradigms: Genetic Algorithms, Genetic Programming. Special attention will be given to co-evolution, multi-objective optimization and automatic problem decomposition.	
Prerequisites:	N/A
Corequisites:	N/A
Antirequisites:	N/A
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

<b>Enrolment</b>
------------------



Estimated Enrolment:	20
Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Andy McIntyre and Greg Lee
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>
--

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5443
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Image Processing
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course introduces the fundamental concepts of digital image processing from a practical standpoint, while providing essential theoretical background. Key topics will include image acquisition, processing techniques, practical applications, and basic image analysis algorithms. The course is designed to make digital image processing accessible to computer scientists and engineers with little prior experience in the subject.	
Prerequisites:	Click or tap here to enter text.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (Grad) – Queen's University: CISC 857 – Image Processing (Grad) – University of Alberta: CMPUT 615 - Image Processing and Vision	

<b>Enrolment</b>	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.</p> <p>We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.</p>	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	<p>Yes</p> <p>If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.</p>
<p>If you chose 'No', please provide justification for this imbalance.</p> <p>These named courses are replacing several "special topics" courses in our graduate program.</p>	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
<p>If you chose 'Yes', to what extent and what was the response?</p> <p>Click or tap here to enter text.</p>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
<p>Briefly outline the impact this course will have on other courses or programs within your unit and others.</p> <p>This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.</p>	
Has the proposal been discussed with other appropriate units?	No
<p>If you chose 'Yes', to what extent and what was the response?</p> <p>Click or tap here to enter text.</p>	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Andy McIntyre / Lydia Bouzar-Benlabiod
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2025-2026  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5453
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	<b>Knowledge Representation and Reasoning</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	<b>Knowledge Rep. and Reasoning</b>
Provide Calendar description for the course below. (MAXIMUM 60 words) This course provides an overview on the core of Symbolic AI, covering key topics such as Propositional and First-Order Logic, Non-Monotonic Logics, and techniques for Reasoning under Uncertainty: Probabilistic and possibilistic logics. Students will explore advanced methods like Bayesian Networks and their applications in decision-making under uncertainty, as well as planning techniques. The course also covers Case-Based Reasoning for problem-solving.	
Prerequisites:	<a href="#">Click or tap here to enter text.</a>
Corequisites:	<a href="#">Click or tap here to enter text.</a>
Antirequisites:	<a href="#">Click or tap here to enter text.</a>
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). <a href="#">Click or tap here to enter text.</a>	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (Grad) – University of Toronto: CSC486H1 – Knowledge Representation and Reasoning (Grad) – Simon Fraser University: CMPT 721 -- Knowledge Representation and Reasoning	

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.            We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.</p>	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
<p>If you chose 'No', please provide justification for this imbalance.            These named courses are replacing several "special topics" courses in our graduate program.</p>	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
<p>If you chose 'Yes', to what extent and what was the response?            Click or tap here to enter text.</p>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
<p>Briefly outline the impact this course will have on other courses or programs within your unit and others.            This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.</p>	
Has the proposal been discussed with other appropriate units?	No
<p>If you chose 'Yes', to what extent and what was the response?            Click or tap here to enter text.</p>	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Andy McIntyre and Lydia Bouzar-Benlabiod
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>



**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5463
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	<b>Principles of Programming</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) The course will cover topics including the History of Programming languages, programming paradigms, language design, syntax, semantics and its specifications. This course is intended to provide the student with a firm grounding in a range of concepts and constructs in the theory and practice of programming languages.	
Prerequisites:	Click or tap here to enter text.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? This course (or a version of this course) is recommended by the ACM and is taught at several universities across the country.	

<b>Enrolment</b>	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes

If yes, please explain how enrolment will be limited.  
 We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Haiyi Zhang, Esteve Hassan, Amir Eaman
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No

Provide a list of available materials in the library that would be suitable for use in this course. N/A
Provide a list of desirable materials for acquisition by the library. N/A

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5503
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Simulation and Modelling
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course provides a comprehensive introduction to digital twins, focusing on the technologies, tools, and techniques (Python, MATLAB) for creating representation models and AR/VR interfaces. Topics include IoT, data science, and modelling methods, with a project-based approach through lectures and labs. Students will work in teams on practical, challenging project, enhancing problem-solving skills.	
Prerequisites:	None
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (UGrad) – Ontario Tech University – CSCI 3010U – Simulation and Modelling (Grad) – Stony Brook University – CSE529 – Simulation and Modelling (UGrad) – RMC – CS553 – Modelling and Simulation Note: There are some graduate degrees with a specialization in this area.	

<b>Enrolment</b>	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.            We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.</p>	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	<p>Yes            If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.</p>
<p>If you chose 'No', please provide justification for this imbalance.            These named courses are replacing several "special topics" courses in our graduate program.</p>	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
<p>If you chose 'Yes', to what extent and what was the response?            Click or tap here to enter text.</p>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
<p>Briefly outline the impact this course will have on other courses or programs within your unit and others.            This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.</p>	
Has the proposal been discussed with other appropriate units?	No
<p>If you chose 'Yes', to what extent and what was the response?            Click or tap here to enter text.</p>	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Esteve Hassan, Amir Eaman
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5513
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Introduction to Intelligent Systems
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Intro to Intelligent Systems
Provide Calendar description for the course below. (MAXIMUM 60 words) This course constructs prototype intelligent systems using state-of-the-art Artificial Intelligence (AI) techniques and explores rule-based and statistical approaches to AI. Students will create computer programs that use Natural Language Processing (NLP) to respond to commands written in English and learn how to design Machine Learning (ML) systems that can solve difficult problems by learning from examples.	
Prerequisites:	None
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (Grad) – University of Pittsburgh – MS degree in Intelligent Systems, including ISSP 2020 – Topics in Intelligent Systems and ISSP 2030 – Advanced Topics in Intelligent Systems (Grad) – Brock University – PhD program in Intelligent Systems and Data Science	

(Grad) – Concordia University – COMP 6741 – Intelligent Systems

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Esteve Hassan, Amir Eaman
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.



Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.
------------------------	--

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5543
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Data Mining
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course will introduce basic data mining techniques such as preprocessing (e.g., aggregation, sampling and dimensionality reduction), pattern mining, classification (e.g., decision trees, rules), prediction modelling (e.g., Bayesian networks, nearest neighbours), cluster analysis, and outlier detection before covering more advanced data mining techniques such as advanced clustering (e.g., graph-based and fuzzy clustering), infrequent patterns, machine learning and avoiding false discoveries.	
Prerequisites:	None
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

<b>Enrolment</b>	
Estimated Enrolment:	20

Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Sazia Mahfuz, Greg Lee
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

Library Resources (as applicable)
-----------------------------------

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5563
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Computer Vision
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course introduces the core concepts of computer vision covering the essential methodologies and techniques. Students will study the theory behind essential tasks such as semantic segmentation, feature extraction, image classification, and object detection. By course completion, students will be equipped to apply fundamental computer vision principles and tools to solve practical problems in both scientific and commercial contexts.	
Prerequisites:	None
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

<b>Enrolment</b>	
Estimated Enrolment:	20

Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Esteve Hassan, Andrew McIntyre
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>
--

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5573
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	High Performance and Parallel Computing
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	High Perf. & Parallel Computing
Provide Calendar description for the course below. (MAXIMUM 60 words) This course will examine contemporary tools, methodologies, and strategies fundamental to modern parallel problem-solving. The focus will be on software resources, but will also examine associated hardware architectures employed to achieve parallelism in computationally intensive tasks, with students solving real-world problems on existing parallel machines. Student will read recent research publications and participate in a significant parallel project implementation.	
Prerequisites:	None
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (Grad) Queen's University – CISC 872 – Parallel Algorithms (Grad) University of Waterloo – COSC 6422 – Parallel and Distributed Computing	



(Grad) University of Colorado Boulder – DTSA 5701 – Introduction to High Performance Computing
--

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Andrew McIntyre
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.

Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.
------------------------	--

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5583
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Multi-Agent Systems
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course provides an overview of state-of-the-art agent and multi-agent technologies and their applications, with special emphasis on the core issues involved in the research of agent-based systems. This course covers agent architectures, agents' behaviours, coordination and inter-agent communication. Pervasive, ubiquitous and cloud computing and how agent systems can be applied in these environments will be covered.	
Prerequisites:	None
Corequisites:	None
Antirequisites:	None
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (Grad) – UNB – CS6745 – Multi-Agent Systems (Grad) – McGill – ECSE508 – Multi-Agent Systems (Grad) – Carleton University – COMP 5900G – Multi-Agent Systems	

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.            We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.</p>	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
<p>If you chose 'No', please provide justification for this imbalance.            These named courses are replacing several "special topics" courses in our graduate program.</p>	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
<p>If you chose 'Yes', to what extent and what was the response?            Click or tap here to enter text.</p>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
<p>Briefly outline the impact this course will have on other courses or programs within your unit and others.            This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.</p>	
Has the proposal been discussed with other appropriate units?	No
<p>If you chose 'Yes', to what extent and what was the response?            Click or tap here to enter text.</p>	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Elhadi Shakshuki
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5143
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	<b>Software Foundations</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course covers key mathematical concepts for reliable software development, including logic, computer-assisted theorem proving, and the Coq proof assistant, all of which are essential tools for building robust software. Students will also explore functional programming, operational semantics, Hoare logic, and static type systems. The course emphasizes formal verification techniques to help students ensure the correctness of their software designs.	
Prerequisites:	Click or tap here to enter text.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

<b>Enrolment</b>	
Estimated Enrolment:	20

Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Amir Eaman
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

Library Resources (as applicable)
-----------------------------------

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>



**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5153
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	<b>AI in Computer Security</b>
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Click or tap here to enter text.
Provide Calendar description for the course below. (MAXIMUM 60 words) This course explores how AI enhances security systems and protects them. Topics include machine learning algorithms, anomaly detection, and AI-driven automation in tasks like IDS, malware analysis. Students will gain practical insights for both offensive and defensive cybersecurity applications preparing them for the challenges of today's security landscape. Protection strategies on AI model security also will be discussed.	
Prerequisites:	Click or tap here to enter text.
Corequisites:	Click or tap here to enter text.
Antirequisites:	Click or tap here to enter text.
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. Click or tap here to enter text.	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). Click or tap here to enter text.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? Click or tap here to enter text.	

<b>Enrolment</b>	
Estimated Enrolment:	20

Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? Click or tap here to enter text.	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Lydia Bouzar-Benlabiod and Amir Eaman
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>
--

Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025**  
**Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5163
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Internet of Things Programming
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	Internet of Things Programming
Provide Calendar description for the course below. (MAXIMUM 60 words) This course will Investigate the Internet of Things (IoT) as a network of objects or "things" embedded with electronics, software and sensors connected on networks enabling them to collect or exchange information. Students will also learn to program and enable devices to collect or exchange information.	
Prerequisites:	N/A
Corequisites:	N/A
Antirequisites:	N/A
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (UGrad) – Ontario Tech University – SOFE 4610U – Design and Analysis of IoT Software Systems (Grad) – Stanford – Internet of Things Graduate Certificate (Grad) – McMaster University – SEP 728 – Internet of Things.	

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.</p> <p>We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.</p>	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	<p>Yes</p> <p>If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.</p>
<p>If you chose 'No', please provide justification for this imbalance.</p> <p>These named courses are replacing several "special topics" courses in our graduate program.</p>	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
<p>If you chose 'Yes', to what extent and what was the response?</p> <p>Click or tap here to enter text.</p>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
<p>Briefly outline the impact this course will have on other courses or programs within your unit and others.</p> <p>This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.</p>	
Has the proposal been discussed with other appropriate units?	No
<p>If you chose 'Yes', to what extent and what was the response?</p> <p>Click or tap here to enter text.</p>	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Sazia Mahfuz, Esteve Hassan
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5173
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Neural Networks
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	N/A
Provide Calendar description for the course below. (MAXIMUM 60 words) This course introduces the history and algorithms in neural networks, covering topics like perceptron, gradient descent learning algorithm, backpropagation, linear-separability problem, multi-layer perceptron, Hopfield network, self-organizing maps, restricted Boltzmann machine, self-supervised learning. Students will delve into advanced topics on deep neural network architectures like Convolutional Neural Network (CNN), Recurrent Neural Network (RNN), Long Short-Term Memory (LSTM), Generative Adversarial Network (GAN).	
Prerequisites:	N/A
Corequisites:	N/A
Antirequisites:	N/A
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). <a href="#">Click or tap here to enter text.</a>	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Choose an item.
If you chose 'Yes', at which universities, and at what level? <a href="#">Click or tap here to enter text.</a>	

<b>Enrolment</b>
------------------

Estimated Enrolment:	20
Will the enrolment be limited?	Yes
<p>If yes, please explain how enrolment will be limited.          We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.</p>	

<b>Course Deletions?</b>	
Are any courses being deleted in conjunction with the proposed addition of a course?	<p>Yes</p> <p>If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.</p>
<p>If you chose 'No', please provide justification for this imbalance.          These named courses are replacing several "special topics" courses in our graduate program.</p>	

<b>Anticipated Impacts &amp; Consultations</b>	
Has the proposal been discussed with students of the department/school?	Yes
<p>If you chose 'Yes', to what extent and what was the response?          Click or tap here to enter text.</p>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
<p>Briefly outline the impact this course will have on other courses or programs within your unit and others.          This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.</p>	
Has the proposal been discussed with other appropriate units?	No
<p>If you chose 'Yes', to what extent and what was the response?          Click or tap here to enter text.</p>	

<b>Teaching Resources &amp; Course Offerings</b>	
Initially who will be teaching the course?	Click or tap here to enter text.
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: Click or tap here to enter text.
Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.

<b>Library Resources (as applicable)</b>
--



Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>

**Acadia University Senate Curriculum Committee (Administration) 2024-2025  
Form 1: New Course Proposal**

Department or School:	Jodrey School of Computer Science
Presented to Faculty Council?	Yes
Date presented (or will be) to Faculty Council	2024-11-22

<b>Proposed Course Information &amp; Rationale</b>	
Course code - discipline & number (e.g. HIST 2223):	COMP 5183
<i>Have you checked with the Registrar's Office to confirm the proposed course code has not been used before?</i>	Yes
Proposed course title:	Machine Learning with Real-World Data
Abbreviated title for transcripts (if needed): MAXIMUM 30 characters	ML with Real-World Data
Provide Calendar description for the course below. (MAXIMUM 60 words) This course will focus on working with limited/noisy data to build accurate models useable in real-world situations with data mimicking or from a real-world source. Deep and shallow learning approaches will be explored, with proper data analysis and preparation techniques. Time-series data analysis will be performed. Students will learn to merge these predictive models into a simulated business system.	
Prerequisites:	N/A
Corequisites:	N/A
Antirequisites:	N/A
Requirement for a major?	No
Open to non-majors?	Yes
Can the course be repeated more than once for credit (e.g. special topics courses)?	No
If you chose 'Yes', please explain. <a href="#">Click or tap here to enter text.</a>	
Provide a brief description of the course below (pedagogy, evaluation methods, text(s) and other resources to be used). This course will be taught as a standard graduate course, with emphasis on the state-of-the-art research and processes in the field. Evaluation will be a mixture of assignments, projects, and midterms/exams.	
Explain the rationale for proposing this course below. Please be specific. <b>MPHEC has required that we have named graduate-level courses for our MSc degree. This is one of those courses.</b>	
Is a course with similar content offered at other universities?	Yes
If you chose 'Yes', at which universities, and at what level? (Grad) University of Cambridge – Machine Learning and Real-World Data	

Note: Many universities teach Machine Learning, with many having full MSc degrees in Data Science. Many have separate courses in data cleaning/data wrangling. This course is a combination of these two topics.

Enrolment	
Estimated Enrolment:	20
Will the enrolment be limited?	Yes
If yes, please explain how enrolment will be limited. We will limit enrolment for graduate courses to around 20 students to keep graduate classes from becoming too large.	

Course Deletions?	
Are any courses being deleted in conjunction with the proposed addition of a course?	Yes If you chose 'Yes', please complete the corresponding Form 2 (Proposed Course Deletion) for each.
If you chose 'No', please provide justification for this imbalance. These named courses are replacing several "special topics" courses in our graduate program.	

Anticipated Impacts & Consultations	
Has the proposal been discussed with students of the department/school?	Yes
If you chose 'Yes', to what extent and what was the response? <a href="#">Click or tap here to enter text.</a>	
Will the course be cross-listed or form part of a multidisciplinary program?	No
Briefly outline the impact this course will have on other courses or programs within your unit and others. This course is needed as part of the MSc option for projects or course-based degrees. It will also be available for thesis-based students.	
Has the proposal been discussed with other appropriate units?	No
If you chose 'Yes', to what extent and what was the response? <a href="#">Click or tap here to enter text.</a>	

Teaching Resources & Course Offerings	
Initially who will be teaching the course?	Greg Lee, Darcy Benoit
Indicate the academic sessions in which the course will usually be offered?	<input checked="" type="checkbox"/> Fall/Winter <input type="checkbox"/> Intersession <input type="checkbox"/> Online (continuous intake) <input type="checkbox"/> Other: <a href="#">Click or tap here to enter text.</a>

Frequency of offering:	<input type="checkbox"/> Every year <input checked="" type="checkbox"/> Alternate years <input checked="" type="checkbox"/> Other: Alternate years depending on student enrolment and faculty resources.
------------------------	--

<b>Library Resources (as applicable)</b>	
Have you consulted with the department's library liaison regarding acquisition of materials for the proposed course?	No
Provide a list of available materials in the library that would be suitable for use in this course. N/A	
Provide a list of desirable materials for acquisition by the library. N/A	

<b>Technology Support (as applicable)</b>	
Have you consulted with Technology Services regarding technological support or acquisition of technology for this course?	No
What technological resources or assistance, if any, will be required? N/A	

<b>Additional Information</b>
<p>Please provide any additional information you feel may be useful to the Curriculum Committee in its deliberation below.</p> <p>As part of the requirements from MPHEC for our MSc degree, we must provide named and numbered graduate-level courses for our students to take. This course is one of those courses.</p>



*Approved by the ADC Senate on December 16, 2024*

## Master of Arts in Theology

### Specialization in Counselling and Spiritual Care

**MOTION 1:** That the Senate of Acadia University approves the new specialization in Counselling and Spiritual Care for the Master of Arts in Theology degree, including its program outcomes and new courses and descriptions.

#### A. Program Outcomes

1. Engage in critical and analytical theological discussion
2. Analyze and integrate professional literature and research into practice
3. Develop and demonstrate key competencies in counselling and spiritual care
4. Apply counselling skills and spiritual care in a supervised clinical practicum

#### 4. PROGRAM (60 CREDITS)

Course Number	Course Title	Credit Hours
<b>CORE COURSES</b>		
IDTH 5010	Orientation (Pass / Fail)	0
BIBL 5023	Interpreting the Old Testament	3
BIBL 5033	Interpreting the New Testament	3
CHUR 5013	Introduction to Christian History	3
LEDR 5113	Theology and Practice of Racial Justice	3
SPFM 5013	Christian Spiritual Formation	3
THEO 5013	Christian Theology 1	3
THEO 5023	Christian Theology 2	3
THEO 7083	Being Human	3
core credit hours		24
<b>SPECIALIZATION</b>		
PACC 5013	Pastoral Care Interventions	3
PACC 5043	Pastoral Care Skills	3
PACC 6013	Personal and Professional Ethics	3

Course Number	Course Title	Credit Hours
PACC 6053	Care for People with Mental Health Concerns and Addictions	3
PACC 6063	Theories of Counselling	3
PACC 7123	Advanced Counselling Skills	3
PACC	Elective	3
open	Elective	3
specialization credit hours		24
<b>PRACTICUM</b>		
PACC 7073	Counselling Practicum Seminar <sup>1</sup>	3
PACC 7079	Supervised Clinical Practicum	9
practicum credit hours		12
<b>Total Credit Hours</b>		<b>60</b>

### **New Courses and Descriptions**

#### PACC 6063 Theories of Counselling

This course surveys the major theories of psychological functioning and psychotherapy and will review the benefits and limitations of each. Students will learn about evidence based and best practice approaches for many problem areas and to incorporate current research findings into caring plans. Discussions will include an understanding of human behaviour through biological, emotional, cognitive, spiritual, social and cultural perspectives.

*Prerequisite:* PACC 5013

#### PACC 7073 Counselling Practicum Seminar

This seminar is a professional development course to accompany PACC 7079 Supervised Clinical Practicum. Students will reflect with their peers on their experiences in the clinical practicum with consideration of assessment / conceptualization, care / treatment approaches, client goal setting, professional ethics, as well as their own response to the emotional process of counselling. Building a pattern of peer mentorship, ongoing learning, and self-care is a key goal of this course. Must be taken concurrently with PACC 7079 Supervised Clinical Practicum.

*Prerequisite or concurrent:* PACC 7123

#### PACC 7079 Supervised Clinical Practicum

Students complete a clinical practicum in a supervised counselling setting. Students must apply and be accepted to a counselling setting that fits with their intended area of practice and the setting must be approved by ADC. Students will complete a minimum of 400 hours of supervised experience and instruction that includes a minimum of 120 hours of direct services (individual, family, or group) covering all stages of counselling with a variety of

---

<sup>1</sup> This course must be taken concurrently with PACC 7079 Supervised Clinical Practicum.

problem areas. Must be taken concurrently with PACC 7073 Counselling Practicum Seminar.

*Prerequisite or concurrent:* PACC 7123

#### PACC 7123 Advanced Counselling Skills

In this course, students receive training in counseling skills from Acceptance and Commitment Therapy (ACT). ACT is an evidence-based and action-oriented treatment approach that encourages people to face ongoing negative emotions and to move forward in their lives in accordance with their personal values and beliefs. Students will learn and practice skills in assessment, goal setting, the core processes of therapy, and measurement of progress. Discussion will also focus on how problems can perpetuate at the cognitive, affective, behavioural, relational, and spiritual levels.

*Prerequisites:* PACC 5013 and PACC 5043

## Revised Course Descriptions

**MOTION 2:** That the Senate of Acadia University approves the following revised course descriptions: PACC 5013, PACC 6013, PACC 6053, PACC 3053.

#### PACC 5013 Pastoral Care Interventions

**Current:** This course reviews common lifespan problems encountered in a pastoral care setting such as issues related to family and relationship, life circumstances, mental health and addictions, and spirituality. Pastoral care interventions may include strategies from physical, emotional, spiritual, and community perspectives. Students will also consider their own values as they learn relational approaches and appropriate boundary setting. Self-exploration and theological reflection will help students to form their own identity and skills as caregivers who care for the body, mind and spirit of themselves and others.

**Revised:** This course reviews common lifespan problems encountered in a pastoral care setting such as issues related to family and relationship, life circumstances, mental health and addictions, spirituality, and development of trauma informed communities. Pastoral care interventions may include strategies from physical, emotional, spiritual, and community perspectives. Students will also consider their own values as they learn relational approaches and appropriate boundary setting. Self-exploration and theological reflection will help students to form their own identity and skills as caregivers who care for the body, mind and spirit of themselves and others.

#### PACC 6013 Personal and Professional Ethics

**Current:** In this course professional ethics in chaplaincy and counselling ministry settings will be considered. In this regard, issues such as codes of conduct, personal rights and freedoms, pertinent legal issues, knowing one's professional limits, how and when to make a referral, maintaining confidentiality, and standards for ongoing professional and personal

development will be addressed. Attention will also be given to ethical and religious concerns of a professional working in a multi-faith context. Cross-listed as CHAP 6013.

Revised: This course explores the ethical foundations essential for counselors and caring leaders, focusing on critical issues like consent, confidentiality, boundaries, self-care, and cultural sensitivity. Students will engage in a structured ethical decision-making process to navigate complex scenarios thoughtfully and critically. Through reflective practice, participants will develop strategies for maintaining healthy personal and professional boundaries. Additionally, the course examines professional standards and legal responsibilities, equipping students to integrate ethical principles into their leadership or counseling contexts. By the end, students will have the tools to approach ethical challenges with confidence, integrity, and respect for diverse cultural and professional expectations. Cross-listed as CHAP 6013.

Prerequisites: PACC 5013 and PACC 5043

PACC 6053 Care for People with Mental Health Concerns and Addictions

PACC 3053 Care for People with Mental Health Concerns and Addictions

Current: Drawing on relevant and current research, this course will provide students with an overview of a range of mental health concerns and an overview of addictions, as well as best practices for offering care. Students will be challenged to relate Christian theology to mental illness and to addiction and to consider the possibilities and limitations for offering care within a congregational setting and as an aspect of the church's mission. Appropriate boundary-setting, the need for self-care and a theologically robust understanding of care will be important aspects of this discussion.

Revised: Drawing on relevant and current research, this course will provide students with an overview of a range of mental health concerns and an overview of addictions, as well as commonly accepted practices for offering care. Students will be challenged to relate Christian theology to mental illness and to addiction and to consider the possibilities and limitations for offering care within a congregational setting and as an aspect of the church's mission.

Prerequisite: PACC 3013/5013



**Motion from Timetable, Instruction Hours, and Examination Committee:**

Motion: to add “attendance requirements – including scheduled and expected participation outside of scheduled class time” to the Syllabus/Course Outline requirements in the academic calendar. The complete wording would be as follows:

**The Syllabus/Course Outline**

At the beginning of each course, instructors are required to indicate in writing the elements for the course, including tentative dates and values of all assignments, attendance requirements – including scheduled and expected participation outside of scheduled class time, and the value of examinations. Once a course is underway, major alternations to the syllabus/course outline can be made by the instructor providing they have the consent of registered students.

Students can expect to be assessed according to fair methods of evaluation and based on material clearly outlined in the syllabus. Instructors shall indicate clearly how students’ marks will be calculated and how those marks will be used to form the aggregate grade for the course.

Marks may be lost after proven incidents of academic integrity violations, as outlined in the Academic Integrity section of this Calendar. No credit is given for a course unless all requirements have been completed.

*Rationale (from TIE committee): Students should be aware of attendance requirements, specifically those outside of lecture time, prior to the beginning of the course. Such activities outside of lecture time is essential for some disciplines, however it does not fall under the “Scheduling of Tests/Major Assignments” portion of the Academic Calendar. The expectation is that once a course begins - the time commitments cannot be altered dramatically and should not be in order to be fair to student experience.*