LASSONDE SCHOOL OF ENGINEERING | YORK U

LEARNING, CURRICULUM & STUDENTS (LCS) COMMITTEE

Wednesday, April 2, 2025, 10:00-11:00 a.m.

Zoom

Associate Dean, Academic & Students	Suprakash Datta	☐
Assistant Dean, Students	Mitch Burnie	☐
Manager, Graduate Studies	Almey Tse-Soriano	☐
Vice-Chair of Council (non-voting)	Eric Ruppert	☐
Librarian	John Dupuis	☐
Faculty Members (1/dept)	Cuiying Jian (MECH) TBD Alternate	☐
	Stephanie Gora (CIVL) Ahmed Eldyasti (alternate)	☐
	Shahin Kamali (EECS) John Lam (alternate)	☐
	Baoxin Hu (ESSE) Michael Bazzocchi (alternate)	☐
2 Faculty Members at large	Hossam Sadek (MECH) - LCS Chair	☐
	TBD	☐
3 Students (2 UG, 1 Grad)	Behrouz Homam (Undergraduate)	☐
	Radhey Patel (Undergraduate)	☐
	Benjamin Brunson (Graduate)	☐
Secretary to Committee (non-voting)	Pam Edgecombe	☐
Manager of Quality Assurance & Accreditation (non-voting)	Parag Jain	☐
Assistant Secretary (non-voting)	Frances Valerio - Regrets	☐
Total # of Votes: 13	Total # of Votes with assigned members: 12	

Guest: Nima Tabatabaei

AGENDA

Items	Person	Time	Topic	Goal	Documents to Review in Advance
1.	Nima Tabatabaei	45	MSES Curriculum	**Action: Review & Approve Master of Engineering in Sustainable Energy Systems (MSES) Courses:** **The following are NEW courses created specifically for the MSES program:** **1. GS/ENG 6003 0.00 New Course - Professional Engineering Ethics and Conduct** **2. GS/ENG 6511 3.00 New Course - Technology Commercialization and Engineering Management** **3. GS/ENG 6512 3.00 New Course - Fundamentals of Engineering Project Management** **4. GS/MSES 6108 3.00 New Course - Computational Methods for**	Attached

				Sustainability Assessment of Energy Systems **5. GS/MSES 6109 3.00 New Course – Two-Phase Flow and Heat Transfer** **6. GS/MSES 6407 3.00 New Course - Materials for Energy Applications** **7. GS/MSES 6408 3.00 New Course - Additive Manufacturing for Sustainability** **8. GS/MSES 6509 3.00 New Course - Technoeconomic and Life Cycle** **The following courses are drawn from existing courses but with minor changes to some of the CLOs and assessments:** **9. GS/MSES 6103 3.00 New Course - Convective Heat Transfer** **10. GS/MSES 6104 3.00 New Course - Advanced Heat Transfer** **11. GS/MSES 6105 3.00 New Course - Advanced Fluid Dynamics** **12. GS/MSES 6106 3.00 New Course - Radiation Heat Transfer with Applications in Energy, Building Systems, and Sustainability** **13. GS/MSES 6507 3.00 New Course - Sustainable Energy Systems Technologies, Transitions, and Global Perspectives**	
2.	Suprakash Datta	10	Mechatronics Curriculum	**Action: Review and Approve TRON Course Proposals:** **1. LE/TRON 3001 4.00 New Course – (Cross listed with ESSE 3380) Introduction to Mechatronics** **2. LE/TRON 4001 4.00 New Course – (Cross listed with ESSE 4380) Mechatronics Systems and Design**	Attached
3.	Hossam Sadek	5	Other Business		

Future Agenda Items:

1. **ESSE Proposals:**
   1.1. GS/ESS 5103 2.00 New Course (pending Dept approval)
2. **EECS CSSD Course Changes**
   2.1. LE/CSSD 2211 3.00 Course Changes (pending Dept approval)
   2.2. LE/CSSD 2221 3.00 Course Changes (pending Dept approval
3. **EECS Graduate Program Proposals:**
   3.1. GS/EECS 6467 3.00 New Course (pending EECS Grad approval)
4. GS/MECH 6504 3.00 Course Changes
5. Professional Masters in Space Systems – Earth and Space Science and Engineering Department (F2025)
6. Professional Masters in Humanitarian Engineering - Not tied to a department (F2025)

7. Professional Masters in Digital Twins for Built Environment – Earth and Space Science and Engineering Department (WI2026)
8. M.Eng. in Electrical, Computer and Software Engineering – theme “Intelligent Systems” – Electrical Engineering and Computer Science Department (WI2026)