LASSONDE SCHOOL OF ENGINEERING | YORK U

LEARNING, CURRICULUM & STUDENTS (LCS) COMMITTEE

Wednesday, March 26, 2025, 1:00-2:00 p.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	

Guests: Michael Jenkin, Nima Tabatabaei

AGENDA

Items	Person	Time	Topic	Goal	Documents to Review in Advance
1.	Michael Jenkin	25	Mechatronics Curriculum	**Action: Review and Approve TRON Course Proposals:** **1. LE/TRON 1000 4.00 New Course- Mechatronics Systems Design and Implementation I** **2. LE/TRON 2000 4.00 New Course – Mechatronics System Design and Implementation II** **3. LE/TRON 3000 4.00 New Course – Mechatronics System Design and Implementation III** **4. LE/TECL 1999 0.00 New Course - Leadership & Teamwork I** **5. LE/TECL 2999 0.00 New Course - Leadership & Teamwork II**	Attached Pg. 6 Pg. 21 Pg. 36 Pg. 50 Pg. 59

				6. LE/TECL 3999 0.00 New Course - Leadership & Teamwork III 7. LE/TECL 4999 0.00 New Course - Leadership & Teamwork IV 8. LE/TECL 2910 0.00 New Course - Mechatronics Work-Term I 9. LE/TECL 3910 0.00 New Course - Mechatronics Work-Term II 10. LE/TRON 3001 4.00 New Course – (Cross listed with ESSE 3380) Introduction to Mechatronics 11. LE/TRON 4001 4.00 New Course – (Cross listed with ESSE 4380) Mechatronics Systems and Design	Pg. 68 Pg. 77 Pg. 86 Pg. 97 Pg.
2.	Nima Tabatabaei	30	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 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	Attached Pg. 126 Pg. 135 Pg. 145 Pg. 156 Pg. 166 Pg. 176 Pg. 186 Pg. 196 Pg. 206 Pg. 216 Pg. 226

				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**	Pg. 237 Pg. 250
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)