

Outline

INSTRUCTOR:

M. Reza Emami, Ph.D., P.Eng.

Room: SF4003

Phone: 416-946-3357

Email: emami@utias.utoronto.ca

WEBSITE:

www.portal.utoronto.ca • aer201.aerospace.utoronto.ca • www.pml4all.org

TEACHING ASSISTANTS:

 Michael Bazzocchi
 michael.bazzocchi@mail.utoronto.ca

 Michael Chapman
 mc.chapman@mail.utoronto.ca

 Allen Chee
 allen.chee@mail.utoronto.ca

 Nathan Curiale
 nathan.curiale@mail.utoronto.ca

 Nathan Cole
 n.cole@mail.utoronto.ca

 Geoff Donoghue
 geoff.donoghue@mail.utoronto.ca

 Sean Fabbro
 Sean.fabbro@mail.utoronto.ca

 Houman Hakima
 houman.hakima@mail.utoronto.ca

 Simon Molgat Laurin
 s.molgatlaurin@mail.utoronto.ca

 Joachim Sarr
 joachimandre.sarr@mail.utoronto.ca

 Julian Shanahan
 julian.shanahan@mail.utoronto.ca

 Wasi Syed
 wasi.syed@mail.utoronto.ca

 Tianhang Teng
 tim.teng@mail.utoronto.ca

 Thomas Ulph
 thomas.ulph@mail.utoronto.ca

 Qingrui Zhang
 qingrui.zhang@mail.utoronto.ca

LECTURE:	Day	Week	Time	Topic	Room
	Monday	Week 1	09-11	All Class	OI G162
			12-13	All Class	PB B150
			15-18	All Class	HS 610
	Tuesday	Week 1	13-15	All Class	MC 102
			Wednesday	Week 1	13-15
13-15	Circuits & Sensors	GB 248			
13-15	Microcontroller	BI 131			
16-18	Electromechanical	FG 103			
16-18	Circuits & Sensors	MS 2158			
16-18	Microcontroller	MS 2173			
Thursday	Week 1	09-11	Electromechanical	SS 1069	
		09-11	Circuits & Sensors	SS 2106	
		09-11	Microcontroller	SS 2108	
Friday	Week 1	14-16 or 16-18	Electromechanical	SS 1069	
		14-18	Circuits & Sensors	SS 1071	
		14-18	Microcontroller	SS 1083	
Monday	Week 2	09-11	All Class	OI G162	
			12-13	All Class	PB B150
Monday	Week 3	09-11	All Class	OI G162	
			12-13	All Class	PB B150

WORKSHOP:

Monday	Week 1	17-18	All Class	Team Formation	HS 610
Friday	Week 1	14-16 or 16-18	Electromechanical	Fabrication Safety	SF 4003
Monday	Week 2	14-16	Electromechanical, Section 1	Machine Shop Safety	SF 4003
Tuesday	Week 2	14-16	Electromechanical, Section 2	Machine Shop Safety	SF 4003
Wednesday	Week 2	14-16	Electromechanical, Section 3	Machine Shop Safety	SF 4003
Monday	Week 2	17-18	Circuits, Section 1	Soldering	SF 4003
Tuesday	Week 2	17-18	Circuits, Section 2	Soldering	SF 4003
Wednesday	Week 2	17-18	Circuits, Section 3	Soldering	SF 4003

Monday	Week 2	16-18	Section 1	Experimentation	SF 4003
Tuesday	Week 2	16-18	Section 2	Experimentation	SF 4003
Wednesday	Week 2	16-18	Section 3	Experimentation	SF 4003

PROJECT:

BAT:	The Battery Recycling Machine
BOT:	The Bottle Recycling Machine
CAN:	The Can Recycling Machine

LABORATORY:

Section 1	Monday	BAT	Lab. SF 4003, 4102, 4103	13-18
Section 2	Tuesday	BOT	Lab. SF 4003, 4102, 4103	13-18
Section 3	Wednesday	CAN	Lab. SF 4003, 4102, 4103	13-18

Note 1: Safety rules and guidelines are the first and foremost consideration in all course activities.

Note 2: Attendance in the designated laboratory sessions is mandatory.

Note 3: An additional weekly Friday session (14-18) is optional for all sections in Weeks 3-6, 8-13.

Note 4: Late submission is not accepted for any milestone in this course.

MARKING:

Project Proposal (Week 4, group, marked by Instructor and TA's)	10%
Week-5 Performance Evaluation (individual, marked by Instructor and TA's)	10%
Intermediate Design Notebook (individual, marked by TA's)	7.5%
Week-8 Performance Evaluation (individual, marked by Instructor and TA's)	12.5%
Week-10 Progress Evaluation (group, marked by Instructor and TA's)	7.5%
Week-12 Project Evaluation (group, marked by Instructor and TA's)	12.5%
Project Demonstration (Week 14, group, marked by Instructor and TA's) or Project Review (week 13, individual, marked by Instructor and TA's)	12.5%
Final Design Notebook (individual, marked by TA's)	7.5%
Final Report (group, marked by Instructor)	20%