

## Creating the Fleet Maker Workshop # 11 Schedule

<b>Day 1 – Friday, October 5, 2018</b>				
<b>Time</b>	<b>Activity</b>	<b>Duration (estimate)</b>	<b>Instructor</b>	<b>Room</b>
8:00 – 9:00	Workshop Introduction and Other Information	15 min.	Dr. Tony Dean	KH125
	Pre-Workshop Survey	45 min.		KH125
9:00 – 10:00	Module 1: 3D Printing	50 min. (10 min. break)	Dr. Karina Arcaute	KH125
10:00 – 12:00	3D Printing Hands-On - Components - Loading Material - Leveling - Printing	2 hrs.	Drs. Karina Arcaute, Vukica Jovanovic, Michel Audette, Tony Dean	KH116
12:00 – 1:00	LUNCH	1 hr.		
1:00 – 2:00	Module 2: CAD – Computer Aided Design	1 hr.	Dr. Vukica Jovanovic	KH125
2:00 – 2:30	Module 3: Cura Lulzbot – Layer Preparation Software	30 min.	Dr. Karina Arcaute	KH125
2:30 – 2:50	3D Printing Hands-On - Sending to Print - Break (10 min)	20 min. (10 min. break)	Drs. Karina Arcaute, Vukica Jovanovic, Michel Audette, Tony Dean	KH116
3:00 – 3:45	Module 4: Reverse Engineering in CAD	45 min.	Dr. Vukica Jovanovic	KH125
3:45 – 4:50	Instructor Guided CAD, Slicing and 3D Printing: Hands-On Session - Design, Slice, Print Your Own Design	1 hr. 5 min.	Drs. Karina Arcaute, Vukica Jovanovic, Michel Audette, Tony Dean	
4:50 – 5:00	Homework Discussion	10 min.	Dr. Tony Dean	KH 125

<b>Day 2 – Saturday, October 6, 2018</b>				
<b>Time</b>	<b>Activity</b>	<b>Duration (estimate)</b>	<b>Instructor</b>	<b>Room</b>
8:00 – 8:15	Homework Discussion	15 min	Dr. Tony Dean	KH125
8:15 – 9:15	Module 5: Materials and Properties, Effects of Print Orientation, and Testing for Stiffness	1hr. 20 min.	Dr. Dipankar Ghosh	KH125
9:15 – 10:00	Module 6: Importance of Layers and Orientation	30 min.	Dr. Dipankar Ghosh	KH125
10:00 – 12:00	Instructor Guided CAD, Slicing and 3D Printing: Hands-On Session - Design, Slice, Print Your Own Design	3 hr.	Drs. Karina Arcaute, Vukica Jovanovic, Michel Audette, Dipankar Gosh, Tony Dean	KH116
12:00 – 1:00	LUNCH	1 hr.		
1:00 – 1:45	Module 7: Advanced Reverse Engineering	45 min.	Dr. Michel Audette	KH125
1:45 – 4:30	Instructor Guided Advanced Reverse Engineering - Scanning in the lab - Mesh Fix - 3D Printing	2 hr. 45 min.	Drs. Karina Arcaute, Vukica Jovanovic, Michel Audette, Tony Dean	KH116, KH 125
4:30 – 5:00	Post-Workshop Survey Wrap-up	30 min.	Dr. Tony Dean	KH125