

Creating the Fleet Maker Workshop # 4 Schedule

| Day 1 – Friday, May 12, 2017 | | | | |
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| Time | Activity | Duration (estimate) | Instructor | Room |
| 8:00 – 9:00 | Workshop Introduction and Other Information | 15 min. | Dr. Tony Dean | KH125 |
| | Pre-Workshop Survey | 45 min. | Dr. Vukica Jovanovic | 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, Onur Bilgen, 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: Slic3r – 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, Onur Bilgen, Michel Audette, Tony Dean | KH116 |
| 3:00 – 4:20 | Module 4 – Part 1: Materials, Layers and Orientation Matters | 1hr. 20 min. | Dr. Onur Bilgen | KH125 |
| 4:20 – 4:50 | Module 4 – Part 2: Slic3r - Orientation, Layers and Shells, Infill and Thickness Effects | 30 min. | Dr. Onur Bilgen | KH125 |
| 4:50 – 5:00 | Homework Discussion | 10 min. | Dr. Tony Dean | KH 125 |

| Day 2 – Saturday, May 13, 2017 | | | | |
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| Time | Activity | Duration (estimate) | Instructor | Room |
| 8:00 – 8:15 | Homework Discussion | 15 min | Dr. Tony Dean | KH125 |
| 8:15 – 9:00 | Module 5: Reverse Engineering in CAD | 45 min. | Dr. Vukica Jovanovic | KH125 |
| 9:00 – 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, Onur Bilgen, Michel Audette, Tony Dean | KH116 |
| 12:00 – 1:00 | LUNCH | 1 hr. | | |
| 1:00 – 1:45 | Module 6: 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, Onur Bilgen, Michel Audette, Tony Dean | KH116, KH 125 |
| 4:30 – 5:00 | Post-Workshop Survey Wrap-up | 30 min. | Drs. Vukica Jovanovic, Tony Dean | KH125 |