Fall 2017 Semester

1. A single robot should be able to map an empty room - How quickly?
   1. Multiple room sizes
2. A single robot should be able to map a room with few (1-3) obstacles (each at least 12” in each direction)
3. A single robot should be able to map a room with several (<8) obstacles (each at least 12” in each direction)
4. A single robot should be able to map multiple rooms (2-3) sharing joining doorways

Spring 2018 Semester

1. All 3 robots should be able to map simultaneously and merge maps of a single room accurately
2. All 3 robots should be able to map multiple rooms (2-3) simultaneously and merge maps accurately