

ME 6404 - Fall 2016
Lecture Schedule Subject to Change

| Day | Date | Topic | Items Due |
|-----|-------|---|---------------|
| M | 8/22 | Introduction | |
| W | 8/24 | Generation of Rigid-Body Commands | |
| F | 8/26 | Lab 1 | |
| M | 8/29 | Response of Flexible Systems | |
| W | 8/31 | Input Shaping for Flexible Systems | |
| F | 9/2 | Lab 2 | Lab 1 |
| M | 9/5 | Holiday | |
| W | 9/7 | Shaping - Robustness and Vector Diagrams | |
| F | 9/9 | Lab 3 | Lab 2 |
| M | 9/12 | Shaping - Specified Robustness and Multi-Mode | |
| W | 9/14 | Negative Shapers and On/Off Control | |
| F | 9/16 | Lab 3 | |
| M | 9/19 | On/Off Control | |
| W | 9/21 | Liapunov Stability | |
| F | 9/23 | Lab 4 | Lab 3 |
| M | 9/26 | Model Reference Control | |
| W | 9/28 | Adaptive Control | |
| F | 9/30 | Lab 4 | |
| M | 10/3 | Inverted Pendulum Dynamics | |
| W | 10/5 | Inverted Pendulum Control | |
| F | 10/7 | Lab 5 | Lab 4 |
| M | 10/10 | Holiday | |
| W | 10/12 | Inverted Pendulum Control | |
| F | 10/14 | Lab 5 | |
| M | 10/17 | Tracking, Model Inversion, and Quiz Review | |
| W | 10/19 | Quiz #1 | |
| F | 10/21 | Lab 6 | Lab 5 |
| M | 10/24 | Quadratic Optimal Control | |
| W | 10/26 | Zero Phase Error Tracking Control | |
| F | 10/28 | Final Group Project | Lab 6 |
| M | 10/31 | Zero Phase Error Tracking Control | |
| W | 11/2 | Student Term Project Proposals | |
| F | 11/4 | Final Group Project | |
| M | 11/7 | S-plane Interpretations/Quadratic Optimal Control | |
| W | 11/9 | No Lecture | |
| F | 11/11 | Final Group Project | |
| M | 11/14 | Recursive Least Squares | |
| W | 11/16 | No Lecture | |
| F | 11/18 | Final Group Project | |
| M | 11/21 | Quiz #2 | |
| W | 11/23 | Holiday | |
| F | 11/25 | Holiday | |
| M | 11/28 | Student Project Updates | |
| W | 11/30 | No Lecture | |
| F | 12/2 | Final Group Project | |
| M | 12/5 | Final Project Presentations | |
| W | 12/7 | No Lecture | Final Project |