

## AME40453 - Automation and Controls Lab

### Spring 2024

Wk	Monday	Tuesday	Wednesday	Thursday	Friday	TASK
2 Jan-14 Jan-20	15 MLK Day	16 First Day Classes at ND	17 First Lecture 10:30am	18	19 C1 Pre-lab due	C1 - Introduction to LabView
3 Jan-21 Jan-27	22 C1	23	24 C2 Lecture C1 tech memo due	25	26 C2 Pre-lab due	C2 - Analog Thermostat
4 Jan-28 Feb-3	29 C2	30	31 C3 Lecture C2 tech memo due	1	2 C3 Pre-lab due	C3 - PID Temperature Controller
5 Feb-4 Feb-10	5 C3	6	7 C4 Lecture C3 tech memo due	8	9 C4 Pre-lab due	C4 - Actuators
6 Feb-11 Feb-17	12 C4	13	14 C5 Lecture No memo due	15	16 C5 Pre-lab due	C5 - Single Water Tank
7 Feb-18 Feb-24	19 C5	20	21 C6 Lecture C5 tech memo due	22	23 C6 Pre-lab due	C6 - Coupled Water Tanks
8 Feb-25 Mar-2	26 C6	27	28 C7 Lecture C6 tech memo due	29	1 C7 Pre-lab due	C7 - Inverted Pendulum
9 Mar-3 Mar-9	4 C7	5	6 C8 Lecture C7 tech memo due	7	8 No Lab Spring Break	<b>Finish C8</b>
10 Mar-10 Mar-16	11	12	13	14	15	<b>No Labs - Spring Break</b>
11 Mar-17 Mar-23	18	19	20 C8 Online Lecture Video	21	22 C8 Pre-lab due	C8 - Choose Your Own Adventure
12 Mar-24 Mar-30	25 C8	26	27 No Lecture C8 tech memo due	28	29 Good Friday No Lab	<b>Easter Weekend</b>
13 Mar-31 Apr-6	1 Easter Monday No Lab	2	3	4	5 Final Project	Final Project
14 Apr-7 Apr-13	8 Final Project	9	10	11	12 Final Project	Final Project
15 Apr-14 Apr-20	15 Final Project	16	17	18	19 Final Project	Final Project
16 Apr-21 Apr-27	22 Final Project	23	24	25	26 Final Project	Final Project
17 Apr-28 May-4	29 Final Project Presentations	30	1 Last day of Classes at ND	2	3	<b>Final Project Presentations</b>
18 May-5 May-11	6	7	8	9	10	<b>Final Exam Week</b>
19 May-12 May-18	13	14	15	16	17	<b>Summer Vacation!</b>