

# AME40453 - Mechtronics Lab

## Spring 2025

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