

## Daily Schedule for MATH 1080-041

### May

Monday	Tuesday	Wednesday	Thursday	Friday
15	16 <b>Welcome and class overview</b> Section 5.5: u-substitution.	17 <b>Section 6.1</b> Velocity & net change #LC 1	18 <b>Section 6.2</b> Regions b/w curves #LC 2  MLM 6.1 due	19
22 <b>Sections 6.3</b> Volume by slicing (disks & washers) LC #3  MLM 6.2 due	23 <b>Sections 6.4</b> Volume by shells LC #4	24 <b>Section 6.5</b> Length of curves LC #5  MLM 6.3 due	25 <b>Sections 6.6, 6.7</b> Surface area, density, work, springs LC #6  MLM 6.4 due	26
29 <b>No class: Memorial Day</b>	30 <b>Section 6.7</b> Work: lifting problems LC #7  MLM 6.5 due	31 <b>Section 6.7</b> Work: pumping and hydrostatic force LC #8  MLM 6.6 due	1 <b>Section 8.1</b> Basic integration approaches LC #9  MLM 6.7 due	2

### June

Monday	Tuesday	Wednesday	Thursday	Friday
5 <b>Section 8.2</b> Integration by parts LC #10  MLM 8.1 due	6 <b>Section 8.3</b> Trig integrals LC #11  MLM 8.2 due	7 <b>Section 8.4</b> Trig substitution LC #12  MLM 8.3 due	8 <b>MIDTERM 1</b>  (Sections 6.1—8.2)	9
12 <b>Section 8.5</b> Partial fraction decomposition (PFD) with linear factors LC #13 MLM 8.4 due	13 <b>Section 8.5</b> PFD with quadratic factors LC #14	14 <b>Sections 8.6, 8.9</b> Integration strategy, improper integrals LC #15  MLM 8.5 due	15 <b>Section 8.9</b> Improper integrals (cont.) LC #16  MLM 8.6 due	16
19 <b>No class: Long summer break</b>	20 <b>No class: Long summer break</b>	21 <b>No class: Long summer break</b>	22 <b>No class: Long summer break</b>	23
26 <b>Sections 10.1, 10.2</b> Sequences and series LC #17  MLM 8.9 due	27 <b>Sections 10.2, 10.3</b> Sequences and series (cont.) LC #18  MLM 10.1 due	28 <b>Sections 10.3, 10.4</b> Geometric series, Divergence & integral tests, p-series LC #19 MLM 10.2 due	29 <b>Section 10.4</b> Integral tests & series review LC #20  MLM 10.3 due	30

**July**

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<p style="text-align: right;"><b>3</b></p> <p><b>Section 10.5</b> Comparison tests LC #21</p> <p>MLM 10.4 (part 1) due</p>	<p style="text-align: right;"><b>4</b></p> <p><i>No class:</i> <i>Independence Day</i></p>	<p style="text-align: right;"><b>5</b></p> <p><b>Section 10.6</b> Alternating series LC #22</p> <p>MLM 10.4 (part 2) due</p>	<p style="text-align: right;"><b>6</b></p> <p><b>MIDTERM 2</b>  (Sections 8.3—10.4)</p>	<p style="text-align: right;"><b>7</b></p>
<p style="text-align: right;"><b>10</b></p> <p><b>Sections 10.6, 10.7</b> Alternating series (cont.), ratio test LC #23</p> <p>MLM 10.5 due</p>	<p style="text-align: right;"><b>11</b></p> <p><b>Section 10.7</b> Ratio and root tests LC #24</p> <p>MLM 10.6 due</p>	<p style="text-align: right;"><b>12</b></p> <p><b>Section 10.8</b> Choosing a convergence test LC #25</p>	<p style="text-align: right;"><b>13</b></p> <p><b>Section 11.1</b> Polynomial approximations LC #26</p> <p>MLM 10.7 due</p>	<p style="text-align: right;"><b>14</b></p>
<p style="text-align: right;"><b>17</b></p> <p><b>Section 11.1</b> Taylor's remainder theorem LC #27</p> <p>MLM 10.8 due</p>	<p style="text-align: right;"><b>18</b></p> <p><b>Section 11.2</b> Power series LC #28</p> <p>MLM 11.1 due</p>	<p style="text-align: right;"><b>19</b></p> <p><b>Section 11.2</b> Power series (cont.) LC #29</p>	<p style="text-align: right;"><b>20</b></p> <p><b>Section 11.3</b> Taylor series LC #30</p> <p>MLM 11.2 due</p>	<p style="text-align: right;"><b>21</b></p>
<p style="text-align: right;"><b>24</b></p> <p><b>Section 11.4</b> Working with Taylor Series LC #31</p> <p>MLM 11.3 due</p>	<p style="text-align: right;"><b>25</b></p> <p><b>Section 12.1</b> Parametric equations LC #32</p> <p>MLM 11.4 due</p>	<p style="text-align: right;"><b>26</b></p> <p><b>Section 12.2</b> Parametric equations (cont.), polar coordinates LC #33</p> <p>MLM 12.1 due</p>	<p style="text-align: right;"><b>27</b></p> <p><b>MIDTERM 3</b>  (Sections 10.5—12.1)</p>	<p style="text-align: right;"><b>28</b></p>

**August**

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<p style="text-align: right;"><b>31</b></p> <p><b>Section 12.3</b> Calculus in polar coordinates LC #34</p> <p>MLM 12.2 due</p>	<p style="text-align: right;"><b>1</b></p> <p><b>Section 12.3</b> Calculus in polar coordinates (cont.) LC #35</p>	<p style="text-align: right;"><b>2</b></p> <p><b>Section 12.3</b> Calculus in polar coordinates (cont.) LC #36</p>	<p style="text-align: right;"><b>3</b></p> <p><i>No class: Study Day</i></p> <p>MLM 12.3 due</p>	<p style="text-align: right;"><b>4</b></p> <p><b>FINAL EXAM</b></p>
<p style="text-align: right;"><b>7</b></p>	<p style="text-align: right;"><b>8</b></p> <p><b>Deadline to submit candidate grades</b></p>	<p style="text-align: right;"><b>9</b></p> <p><b>Deadline to submit all grades</b></p>	<p style="text-align: right;"><b>10</b></p>	<p style="text-align: right;"><b>11</b></p> <p><b>Graduation</b></p>