

# Course calendar

Last updated: January 15, 2021

| Sunday | Monday   | Tuesday   | Wednesday   | Thursday  | Friday  | Saturday   |
|--------|--|---|---|---|---|--|
|        |  |   |   |   | <p><i>Welcome to Calc III!</i> 15</p> <hr/> <p>Welcome email</p> <hr/> <p><b>Posted:</b> Time zones questionnaire, Week 0 homework</p> <hr/> <p><b>Goes live:</b> Gateway exam 0 (1159 EDT)</p> | 16   |
| 17     | <p><i>MLK Day (no class)</i> 18</p> <hr/> <p><b>Posted:</b> Tuesday's lecture, possible worksheet(s), Week 1 homework</p>  | <p><i>§6.1 Antiderivatives graphically and numerically</i> 19</p> <hr/> <p><b>In class (1245-145p EST):</b> Welcome, ?s about slides</p> <hr/> <p><b>Posted:</b> Wednesday's lecture, possible worksheet(s)</p> | <p><i>§6.2 Constructing antiderivatives analytically</i> 20</p> <hr/> <p><b>In class (1245-2p EST):</b> ?s about slides</p> <hr/> <p><b>Posted:</b> Thursday's lecture, possible worksheet(s), group assignments</p> <hr/> <p><b>Due:</b> Time zones questionnaire (before class), Week 0 homework (1159 EST)</p> | <p><i>§7.1 Integration by substitution</i> 21</p> <hr/> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <hr/> <p><b>Posted:</b> Friday's lecture, possible worksheet(s)</p> | <p><i>§7.2 Integration by parts</i> 22</p> <hr/> <p><b>In class (1245-2p EST):</b> ?s about slides</p> <hr/> <p><b>Posted:</b> Week 2 preview quiz</p>  | 23   |
| 24     | <p><i>§7.3 Tables of integrals</i> 25</p> <hr/> <p><b>In class (1245-2p EST):</b> review Week 2 preview quiz, ?s about slides</p> <hr/> <p><b>Posted:</b> Tuesday's lecture, possible worksheet(s)</p> <hr/> <p><b>Due:</b> Week 2 preview quiz (before class), Gateway exam 0 (1159p EST)</p> | <p><i>§7.4 Algebraic identities and trigonometric substitution</i> 26</p> <hr/> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <hr/> <p><b>Posted:</b> Wednesday's lecture, possible worksheet(s)</p>  | <p><i>§7.4, cont.</i> 27</p> <hr/> <p><b>In class (1245-2p EST):</b> ?s about slides, ?s about homework</p> <hr/> <p><b>Posted:</b> Thursday's lecture, possible worksheet(s)</p> <hr/> <p><b>Goes live:</b> Gateway exam 1 (1159 EST)</p> <hr/> <p><b>Due:</b> Week 1 homework (1159 EST)</p>                    | <p><i>§7.4, cont.</i> 28</p> <hr/> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <hr/> <p><b>Posted:</b> Friday's lecture slides</p>                                      | <p><i>Week 2 review (optional)</i> 29</p> <hr/> <p><b>In class (1245-2p EST):</b> Application problem(s), ?s</p> <hr/> <p><b>Posted:</b> Week 3 preview quiz</p>                                | 30   |
|        |  |   |   |   |   | <p><b>Posted:</b> solutions to Week 1 homework</p> |

| Sunday  | Monday   | Tuesday  | Wednesday  | Thursday  | Friday   | Saturday  |
|---|--|--|--|---|--|---|
| <p style="text-align: right;">31</p> <p><b>Posted:</b> Monday's lecture, possible worksheet(s), Week 3 homework, Application problem(s)</p> | <p><i>§8.1 Areas and volumes</i> 1</p> <p><b>In class (1245-2p EST):</b> review Week 3 preview quiz, ?s about slides</p> <p><b>Posted:</b> Tuesday's lecture, possible worksheets(s)</p> <p><b>Due:</b> Week 3 preview quiz (before class), Gateway exam 1 (1159p EST)</p>               | <p><i>§8.2 Applications to geometry</i> 2</p> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <p><b>Posted:</b> Wednesday's lecture, possible worksheet(s)</p>   | <p><i>§8.2, cont.</i> 3</p> <p><b>In class (1245-2p EST):</b> ?s about slides, ?s about homework</p> <p><b>Posted:</b> Thursday's lecture, possible worksheet(s)</p> <p><b>Goes live:</b> Gateway exam 2 (1159 EST)</p> <p><b>Due:</b> Week 2 homework (1159 EST)</p>            | <p><i>§7.6 Improper integrals</i> 4</p> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <p><b>Posted:</b> Friday's lecture slides</p>     | <p><i>Week 3 review (optional)</i> 5</p> <p><b>In class (1245-2p EST):</b> Application problem(s), ?s</p> <p><b>Posted:</b> Week 4 preview quiz</p>  | <p style="text-align: right;">6</p> <p><b>Posted:</b> solutions to Week 2 homework</p>  |
| <p style="text-align: right;">7</p> <p><b>Posted:</b> Monday's lecture, possible worksheet(s), Week 4 homework, Application problem(s)</p>  | <p><i>§7.7 Comparison of improper integrals</i> 8</p> <p><b>In class (1245-2p EST):</b> review Week 4 preview quiz, ?s about slides</p> <p><b>Posted:</b> Tuesday's lecture, possible worksheet(s)</p> <p><b>Due:</b> Week 4 preview quiz (before class), Gateway exam 2 (1159p EST)</p> | <p><i>§9.1 Sequences</i> 9</p> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <p><b>Posted:</b> Wednesday's lecture, possible worksheet(s)</p>  | <p><i>§9.2 Geometric series</i> 10</p> <p><b>In class (1245-2p EST):</b> ?s about slides, ?s about homework</p> <p><b>Posted:</b> Thursday's lecture, possible worksheet(s)</p> <p><b>Goes live:</b> Gateway exam 3 (1159 EST)</p> <p><b>Due:</b> Week 3 homework (1159 EST)</p> | <p><i>§9.3 Convergence of series</i> 11</p> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <p><b>Posted:</b> Friday's lecture slides</p> | <p><i>Week 4 review (optional)</i> 12</p> <p><b>In class (1245-2p EST):</b> Application problem(s), ?s</p> <p><b>Posted:</b> Week 5 preview quiz</p> | <p style="text-align: right;">13</p> <p><b>Posted:</b> solutions to Week 3 homework</p> |
| <p style="text-align: right;">14</p>  | <p><i>Mod 1 break (no class)</i> 15</p> <p><b>Posted:</b> Tuesday's lecture, possible worksheet(s), Week 5 homework, Application problem(s)</p>  | <p><i>§9.4 Tests for convergence</i> 16</p> <p><b>In class (1245-145p EST):</b> review Week 5 preview quiz, ?s about slides</p> <p><b>Posted:</b> Wednesday's lecture, possible worksheet(s)</p> <p><b>Due:</b> Week 5 preview quiz (before class), Gateway exam 3 (1159p EST)</p> | <p><i>§9.4, cont.</i> 17</p> <p><b>In class (1245-2p EST):</b> ?s about slides, ?s about homework</p> <p><b>Posted:</b> Thursday's lecture, possible worksheet(s)</p> <p><b>Goes live:</b> Gateway exam 4 (1159 EST)</p> <p><b>Due:</b> Week 4 homework (1159 EST)</p>           | <p><i>§9.4, cont.</i> 18</p> <p><b>In class (1245-145p EST):</b> ?s about slides</p> <p><b>Posted:</b> Friday's lecture slides</p>                | <p><i>Week 5 review (optional)</i> 19</p> <p><b>In class (1245-2p EST):</b> Application problem(s), ?s</p> <p><b>Posted:</b> Week 6 preview quiz</p> | <p style="text-align: right;">20</p> <p><b>Posted:</b> solutions to Week 4 homework</p> |

| Sunday   | Monday  | Tuesday   | Wednesday  | Thursday   | Friday  | Saturday   |
|--|---|---|--|--|---|--|
| <p style="text-align: right;">21</p> <p>Posted: Monday's lecture, possible worksheet(s), Week 6 homework, Application problem(s)</p> | <p>§9.5 Power series and interval of convergence 22</p> <p>In class (1245-2p EST): review Week 6 preview quiz, ?s about slides</p> <p>Posted: Tuesday's lecture, possible worksheet(s)</p> <p>Due: Week 6 preview quiz (before class), Gateway exam 4 (1159p EST)</p> | <p>§9.5, cont. 23</p> <p>In class (1245-145p EST): ?s about slides</p> <p>Posted: Wednesday's lecture, possible worksheet(s)</p>                          | <p>§10.1 Taylor polynomials 24</p> <p>In class (1245-2p EST): ?s about slides, ?s about homework</p> <p>Posted: Thursday's lecture, possible worksheet(s)</p> <p>Goes live: Gateway exam 5 (1159 EST)</p> <p>Due: Week 5 homework (1159 EST)</p>         | <p>§10.1, cont. 25</p> <p>In class (1245-145p EST): ?s about slides</p> <p>Posted: Friday's lecture slides</p>                       | <p>Week 6 review (optional) 26</p> <p>In class (1245-2p EST): Application problem(s), ?s</p> <p>Posted: Week 7 preview quiz</p> | <p style="text-align: right;">27</p> <p>Posted: solutions to Week 5 homework</p> |
| <p style="text-align: right;">28</p> <p>Posted: Monday's lecture, possible worksheet(s), Week 7 homework, Application problem(s)</p> | <p>§10.2 Taylor series 1</p> <p>In class (1245-2p EST): review Week 7 preview quiz, ?s about slides</p> <p>Posted: Tuesday's lecture, possible worksheet(s)</p> <p>Due: Week 7 preview quiz (before class), Gateway exam 5 (1159p EST)</p>                            | <p>§10.3 Finding and using Taylor series 2</p> <p>In class (1245-145p EST): ?s about slides</p> <p>Posted: Wednesday's lecture, possible worksheet(s)</p> | <p>§10.3, cont. 3</p> <p>In class (1245-2p EST): ?s about slides, ?s about homework</p> <p>Posted: Thursday's lecture slides</p> <p>Goes live: Gateway exam 6 (1159 EST), Gateway exam 7 (optional, 1159 EST)</p> <p>Due: Week 6 homework (1159 EST)</p> | <p>Week 7 review (optional) 4</p> <p>In class (1245-145p EST): Application problem(s), ?s</p> <p>Posted: Friday's lecture slides</p> | <p>Review: Integration 5</p> <p>In class (1245-2p EDT): integration techniques</p>  | <p style="text-align: right;">6</p> <p>Posted: solutions to Week 6 homework</p>  |
| <p style="text-align: right;">7</p> <p>Posted: Monday's lecture slides</p>   | <p>Review: Taylor series 8</p> <p>In class (1245-2p EST): convergence tests, Taylor series</p> <p>Due: Gateway exam 6 (1159p EST)</p>   | <p>Questions day (optional) 9</p> <p>In class (1245-145p EST): final questions</p> <p>Due: Gateway exam 7 (optional, 1159 EST)</p>                        | <p>Reading day 10</p> <p>Goes live: Final (1159 EST)</p>   | <p>Final 11</p>  | <p>Final 12</p> <p>Due: Final (1159 EST)</p>  |  |