

# Syllabus: Math 2A (Section 65), Winter 2020

6:30 – 8:45 PM Monday and Wednesday, Room 54

Instructor: Dr. Bill Wilson Office Hours: 5:15-6:00 Monday, Wednesday in E37 (or by appointment) Email: <a href="mailto:wilsonwilliam@fhda.edu">wilsonwilliam@fhda.edu</a> Phone: 408-309-3956
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**TEXTBOOK:** A First Course in Differential Equations, 10th edition, by Dennis Zill, published by Brooks/Cole, 2013, ISBN 978-1-111-82705-2

**Prerequisite:** Mathematics 1D with a grade of C or better.

**Course Description:** Ordinary differential equations and selected applications.

**Homework:** Homework will be assigned most classes and will be due the following Monday. Some homework problems will be graded for correctness and the rest for completion.

**Exams:** Three exams will be given plus the final exam. Exam dates will be announced at least a week ahead of time. There will be no makeups. If an exam is missed because of a valid excuse, an equivalent of the final exam score will be used as the score for the missed exam.

**Quizzes:** Regular quizzes will be given. Quizzes will be announced at least one class ahead of time. You may correct and resubmit two quizzes for a higher score.

**Final Exam:** A comprehensive final exam will be given on 3/25/20 from 6:15 PM to 8:15 PM.

**Accommodations:** Students requiring accommodations are welcome in this class. Please notify me and DSS of any special requirements. Go to <https://www.deanza.edu/dss/> for more information.

**Grading:** 3 midterms @ 15% = 45%  
homework and class work: 10%  
quizzes: 15%  
final exam: 30%

**Scale:** A: 93+      A-: 90+  
B+: 87+      B: 83+      B-: 80+  
C+: 77+      C: 70+  
D: 60+  
F: < 60

### Tentative Calendar:

The calendar below provides guidance on when sections of the text will be covered and when quizzes and tests will take place. However, those will change as necessary to ensure that there is sufficient time to explain and understand each topic.

	<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>	<i>Week</i>
<b>January</b>		<b>6 First day of quarter: 1.1</b>	<b>7</b>	<b>8 1.2, 1.3, 2.1</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>1</b>
	<b>12</b>	<b>13 2.2, 2.3</b>	<b>14</b>	<b>15 2.4, 2.5, 2.6</b>	<b>16</b>	<b>17</b>	<b>18 Last day to add classes</b>	<b>2</b>
	<b>19 Last day to drop w/</b>	<b>20 Holiday Martin Luther King</b>	<b>21 Census Day</b>	<b>22 3.1, 3.2 Quiz1</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>3</b>
	<b>26</b>	<b>27 3.3, 4.1</b>	<b>28</b>	<b>29 4.2, 4.3</b>	<b>30</b>	<b>31</b>	<b>1</b>	<b>4</b>
<b>February</b>	<b>2</b>	<b>3 4.5, 4.6, Quiz 2</b>	<b>4</b>	<b>5 4.7, 4.9</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>5</b>
	<b>9</b>	<b>10 5.1, 5.2 Test 1</b>	<b>11</b>	<b>12 6.1</b>	<b>13</b>	<b>14 Holiday Presidents Day</b>	<b>15</b>	<b>6</b>
	<b>16</b>	<b>17 Holiday Presidents Day</b>	<b>18</b>	<b>19 6.2</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>7</b>
	<b>23</b>	<b>24 7.1, 7.2 Quiz 3</b>	<b>25</b>	<b>26 7.3, 7.4</b>	<b>27</b>	<b>28 Last day to drop with "W"</b>	<b>29</b>	<b>8</b>
<b>March</b>	<b>1</b>	<b>2 7.4 Test 2</b>	<b>3</b>	<b>4 7.5</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>9</b>
	<b>8</b>	<b>9 7.6, 8.1 Quiz 4</b>	<b>10</b>	<b>11 8.1, 8.2</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>10</b>
	<b>15</b>	<b>16 Review Test 3</b>	<b>17</b>	<b>18 Review</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>11</b>
	<b>22</b>	<b>23</b>	<b>24</b>	<b>25 Final Exam</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>12</b>

**ESL:** If English is a second language, a print English translation dictionary is allowed for exams/quizzes

Expectations of Students:

1. **Academic dishonesty will not be tolerated.** If a student is found cheating on an exam or quiz, he or she will receive a 0 for the item. Repeated instances of cheating may lead to failing the course and further action.
2. **Showing your work.** You need to show your work on homework and exams to receive full credit.
3. **Respect you fellow students.** Silence cell phones and tablets in class.

**Student Learning Outcome(s):**

- \*Construct and evaluate differential equation models to solve application problems.
- \*Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.