MATH 121 Calculus II
Napa Valley College Spring 2018 – Section 73021
Tuesdays and Thursdays 9:30 - 11:45 in room 1230

Instructor: Karen Walters  Office: 840A  Email: kwalters@napavalley.edu
Website: www.napavalley.edu/people/kwalters
Office Hours: Tues and Thurs from 8am - 9am and 12 - 1230.

MATERIALS:
- Internet Access
- Lined paper in a notebook or binder for notes and in-class work
- Graph Paper for in-class work, Pencil and Eraser
- Calculator (TI-84)

STUDENT LEARNING OUTCOMES: Upon completion, students will be able to:
1. Evaluate definite and indefinite integrals,
2. Solve applications involving integrals,
3. Find and apply Taylor and Maclaurin series.

PREREQUISITES: Math 120 (Calculus 1) must have been passed with a grade of C or better in order to enroll in this class. Since this class uses online homework computer and web literacy is required. This is not the place to learn how to use computers or access the internet.

ATTENDANCE: You may be dropped from this class if you miss more than one week worth of classes. You may also be dropped if you are not enrolled in the WebAssign section with the first assignment completed by January 23rd, or if you are not completing the assignments online.

CHEATING: I strongly encourage you to form study groups outside of class, work on assignments and study for tests together. Please be sure that everything you turn in is your own work (it’s okay if you collaborated on it). You are expected to complete all online assignments yourself. Basically, getting help is okay; getting someone else to do your work is not! Cheating of any form, including attempting to use material not allowed on an exam, will result in a zero on that assignment. A second cheating attempt will result in expulsion from the class.

RESOURCES: Any student who feels s/he may need an academic adjustment based on the impact of a learning disability should contact Learning Services in the Library room 1766, phone (707)256-7442. A Learning Disability Specialist will review your needs and determine appropriate accommodations.

Any student who feels s/he may need an academic adjustment based on the impact of a physical or other types of disabilities, may schedule an appointment with a DSPS Counselor, Tyler Downie, located in Counseling Student Services 1300 building, phone (707) 256-7220 or 256-7448 for appointment.

All information and documentation is confidential. Please feel encouraged to make an appointment with me privately to discuss your specific learning needs in my class and to ensure I received your academic adjustment letter.
MATH SUCCESS CENTER: Drop-in and individual tutoring are available in the Math Success Center, located on the main floor of the 800 building.

YOUR RESPONSIBILITIES: In order to be successful each student is expected to:
- Attend all class meetings.
- Complete your homework on time!
- Visit the Math Success Center, office hours, your study group and/or a tutor if you have questions.
- Review previous sections. Continual studying is much more rewarding and less stressful than cramming.
- Find a study partner or group that meets your needs. Studying together can be both fun and productive!
- Be familiar with your computer system and have a backup option in case of hardware problems.
- Participate in class individually and in groups when requested.

GRADING  Traditional breakdown will be used for assigning grades:
90% and above = A  80 - 89% = B  70 - 79% = C
60 - 69% = D  Less than 60% = F

Your grade will be calculated on the following:
- End Of Class Question 5%  Homework 10%  Classwork 10%
- Final Exam 20%  Tests 50%  Quizzes 5%

END OF CLASS QUESTION: During the last 5 minutes or so of class you may be given an end of class question or questions. You will be graded on completion of the question and following the directions not on whether it was done correctly or not. This is my way of checking on your knowledge and will help me know if I need to alter my instruction in any way. Please take it seriously as it will benefit you directly.

HOMEWORK: You will do most of your homework online. I recommend you have a homework notebook to do your work. After completing a problem you type in your answer and the computer will give you instant feedback. Please be aware that computer malfunctions will not excuse you from due dates, putting off the entire assignment until the due date is not a good idea. Have a back-up in case of problems. The class key is: napavalley 3710 0036.

I will assign several problems each chapter for you to turn in on paper. Show all your work for full credit.

WEBASSIGN: When registering, be sure to use the exact same name as you are enrolled under at the College. Be sure to write down your username and password as I do not have access to this information. You must be registered by Tuesday, January 23rd to avoid being dropped from the class.

To register go to https://www.webassign.net/wa-auth/login. Click on the Enroll with Class Key button (top right). Type in the class key: napavalley 3710 0036 and follow the instructions. Register only once! You will have two weeks to try the program for free before you must purchase.

If you have any trouble registering please come in to office hours, the Math Success Center or call WebAssign’s technical support number (listed on my webpage).
If you have any technical difficulties with the WebAssign program please contact them immediately, do not wait to email me first!
**LATE WORK:** You must request access to complete late work. You may only request to complete 5 assignments late during the semester.

**CLASS WORK:** You will complete individual or group class work assignments most weeks. These will give you an idea of how I write questions and, more importantly, give you feedback on your written work on a regular basis. If you miss a day of class it is your responsibility to get any class work assignments or announcements from a classmate before the next class meeting. Late class work will be docked up to 50%.

**QUIZZES:** There will be eleven quizzes during the semester. They will be administered the last 20 to 30 minutes on the days shown in the calendar. You may not make-up a quiz. I will drop the two lowest quiz scores at the end of the semester.

**TESTS:** There will be three tests this semester. They are tentatively scheduled for Thursday, March 1st; Thursday, April 19th; and Tuesday, May 15th. You will be allowed to use one 5 x 7 in note card and a calculator on your tests. You will NOT be allowed to use your phone or ipod for any reason during the exams. Late or make-up exams will NOT be given.

**FINAL EXAM:** The final will be held on Tuesday, May 22nd from 9:45 a.m. - 11:45 a.m. The final will be comprehensive, including all of the sections we’ve covered this semester. Arrangements for alternative exam times must be made at least two weeks in advance.

**IMPORTANT DATES:** Please note the assessment schedule is tentative and subject to change! Changes will be announced in class or via email.

- January 23 – Last Day to Register for WebAssign
- January 25 – Quiz 1
- January 31 – Last Day to Add
- February 1 – Last Day to Drop without a W and Quiz 2
- February 8 – Quiz 3
- February 15 – Quiz 4
- February 22 – Quiz 5
- March 1 – Exam 1 (Chapters 6 and 7)
- March 15 – Quiz 6
- March 22 – Quiz 7
- March 26 and 29 – Spring Break
- April 5 – Quiz 8
- April 6 – Last Day to Drop with a W
- April 12 – Quiz 9
- April 19 – Exam 2 (Chapter 11)
- May 3 – Quiz 10
- May 10 – Quiz 11
- May 15 – Exam 3 (Chapters 8 and 10)
- May 22 – Final Exam 9:45 am - 11:45 am
<table>
<thead>
<tr>
<th>Tues</th>
<th>Thurs</th>
<th>Calc II Calendar</th>
<th>Walters</th>
<th>Spring 2018</th>
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</thead>
<tbody>
<tr>
<td>Jan 16</td>
<td>Jan 18</td>
<td>No Class Today</td>
<td>6.1 Areas Between Curves</td>
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<td>Jan 23</td>
<td>Jan 25</td>
<td>6.2 Volumes</td>
<td>6.3 Volumes by Cylindrical Shells</td>
<td>Quiz 1 (6.1)</td>
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<td>Jan 30</td>
<td>Feb 1</td>
<td>6.4 Work</td>
<td>7.1 Integration By Parts</td>
<td>Quiz 2 (6.2 – 6.3)</td>
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<td>Feb 6</td>
<td>Feb 8</td>
<td>7.2 Trigonometric Integrals</td>
<td>7.3 Trigonometric Substitution</td>
<td>Quiz 3 (6.4, 7.1)</td>
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<td>Feb 13</td>
<td>Feb 15</td>
<td>7.4 Integration of Rational Functions by Partial Fractions</td>
<td>7.5 Strategy For Integrals, 7.6 Integration Using Tables</td>
<td>Quiz 4 (7.2, 7.3)</td>
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<td>Feb 20</td>
<td>Feb 22</td>
<td>7.6 Integration Using Tables, 7.7 Patterns in Integrals</td>
<td>7.8 Improper Integrals</td>
<td>Quiz 5 (7.4, 7.5)</td>
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<td>Feb 27</td>
<td>Mar 1</td>
<td>Review</td>
<td>Exam 1</td>
<td>Chapter 6 and 7</td>
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<td>Mar 6</td>
<td>Mar 8</td>
<td>11.1 Sequences</td>
<td>11.2 Series</td>
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<td>Mar 13</td>
<td>Mar 15</td>
<td>11.3 The Integral Test and Estimates of Sums</td>
<td>11.4 The Comparison tests</td>
<td>Quiz 6 (11.1, 11.2)</td>
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<td>Mar 20</td>
<td>Mar 22</td>
<td>11.5 Alternating Series</td>
<td>11.6 Absolute Convergence and Ratio and Root Tests</td>
<td>Quiz 7 (11.3, 11.4)</td>
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<td>Mar 27</td>
<td>Mar 29</td>
<td>Spring Break</td>
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<td>Apr 3</td>
<td>Apr 5</td>
<td>11.7 Strategy for Testing Series</td>
<td>11.8 Power Series</td>
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<td>Apr 10</td>
<td>Apr 12</td>
<td>11.9 Representation of Functions as Power Series</td>
<td>11.10 Taylor and Maclaurin Series</td>
<td>Quiz 8 (11.5, 11.6)</td>
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<td>Apr 17</td>
<td>Apr 19</td>
<td>Review</td>
<td>Exam 2</td>
<td>Chapter 11</td>
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<td>Apr 24</td>
<td>Apr 26</td>
<td>8.1 Arc Length</td>
<td>8.3 Application to Physics and Engineering</td>
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<td>May 1</td>
<td>May 3</td>
<td>10.1 Curves Defined by Parametric Equations</td>
<td>10.2 Calculus with Parametric Curves</td>
<td>Quiz 10 (8.1, 8.3)</td>
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<td>May 8</td>
<td>May 10</td>
<td>10.3 Polar Coordinates</td>
<td>10.4 Areas and Lengths in Polar Coordinates</td>
<td>Quiz 11 (10.1, 10.2)</td>
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<td>May 15</td>
<td>May 17</td>
<td>Exam 3</td>
<td>Final Review</td>
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<td>May 22</td>
<td>May 24</td>
<td>Final Exam 9:45 – 11:45am</td>
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This is a tentative schedule and is subject to change.
You are responsible to learn all material covered in these sections of our textbook. Please read the textbook as part of your weekly study time.