Math 2414-81430 Calculus II Syllabus
RICHLAND COLLEGE

Instructor Information
Name: Dr. Sam Obeid
DCCCD Email: obeid@dcccd.edu
Office Phone: 972 761 6798
Office Location: L234
Office Hours: Online. I will respond to emails that are appropriately addressed: course and section number in the subject line and your full name as a signature within 24 - 48 hours of receipt.

Course Information
Course Title: Calculus II
Course Number: MATH 2414
Section Number: 82489
Credit Hours: 4
Class Meeting Dates/Location: 12/13/2019 to 1/10/2020 / Online
MyMathLab course ID: obeid81835 (will be available on November 29)
Certification Date: 12/17/2019
Last Day to Withdraw: 1/6/2020

Course Prerequisites
MATH 2413 or equivalent.

Course Description
This course is a study of differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals. (4 Lec.)

Required Course Materials
2. A calculator from the TI-83 or TI-84 families is recommended. It should be one without a computer algebra system or algebraic manipulation ability
A 14-day temporary access to MyMathLab is available so that you may get started on your course immediately. Your access must be updated with a valid, purchased code prior to the end of the 14 days or your access will be closed. Follow the instructions in the email that you received in order to update your account.

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Graded Work**

The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

**Summary of Graded Work**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentage</th>
<th>Total Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Sheet</td>
<td>1 @ 1%</td>
<td>1%</td>
</tr>
<tr>
<td>Discussion Board in eCampus</td>
<td>1 @ 2% points each</td>
<td>2%</td>
</tr>
<tr>
<td>Review Assignments for Exams</td>
<td>4 @ 2% each</td>
<td>8%</td>
</tr>
<tr>
<td>Homework Assignments Average</td>
<td>15%</td>
<td>15%</td>
</tr>
<tr>
<td>Exams</td>
<td>3 @ 17% each</td>
<td>51%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1 @ 23%</td>
<td>23%</td>
</tr>
</tbody>
</table>

**Final Grade**

<table>
<thead>
<tr>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>
Description of Graded Work

1. How to proceed through this course:
   For any unit, the sections that each assignment covers are listed in the calendar above.
   **Day 1**
   ✓ Register and enroll in MyMathLab by going to the Website: [www.pearsonmylabsandmastering.com](http://www.pearsonmylabsandmastering.com). **When you register, please use the same name that is used on the official registration at Richland. Any other names could be removed from the course.** The course ID is on the first page of the syllabus that is posted in ecampus in your course, not in the one in econnect. Notice that if you do not have a purchased access code, you may use a temporary access – it is on the page that requests the code to be input – for the first 14 calendar days of the semester. After that, you must update through the emails you are receiving from Pearson in order to continue access to the course.
   ✓ Click on the Button on the left labeled Homework. Click on the button on the left-hand side labeled Chapter Contents and expand Chapter 6. Click on section 6.1 and follow the instructions on that page. Finish the Section 6.1 assignment, then proceed on.
   ✓ After section 6.1, continue on to 6.2 and do the same thing.
   ✓ Once you have finished the first two assignments (and any other activities that are listed in the Calendar that must be completed), continue on to the next section.

   **Subsequent days**
   Continue working through the Homework button and going through each section of the book prior to working on homework. You cannot learn the math just by doing the homework.

   - Use the syllabus calendar as a guide so that you can keep up with the pace. No extensions on due dates are given for any reason. It is important that you are spending 2-3 hours per day on this course. Some days it will be more, some will be less.
   - If you purchased the package in the bookstore, then it came with the book and access code together. This textbook is designed to accompany its online version in ecampus. Using the two together is the best way to learn. If you only purchased the access code, then you will need to use the eText in MyMathLab exclusively.

2. Instructions for Submitting Written Work
   When you do your work for submission, it should have **your name on EVERY PAGE**, what it is (Unit Exam 1, Written Assignment 1, etc), and your course and section number. Without these items, you may not receive credit for your work. You may scan your work using the free “CamScanner”App with your phone *, then upload your work to ecampus “Upload Here”. **Only one (1) document should be submitted in the upload.** If
you have multiple pages, it must all be sent in one document, with each page on its own page in the document. The file name (.pdf only) should contain the following information: your name, section number, and what it is. Once you have done this, open the document and check that it is readable and that each piece of paper that you used is full size on a separate page in the document. If I cannot read it because it is tiny, blurry, etc, I will give no credit. Check your document as it would appear when printed before uploading it. I only open one DOCUMENT. If you send multiple documents, one and ONLY one will be opened and will count for your work. Documents cannot be google docs or one-drive docs or zip folders, or anything that I must download and open or log in to. I cannot open those and you will receive no credit for your work.

If multiple documents are emailed, then one will be graded. The others will be as though they do not exist. Please follow directions for submission of written work.

(*There are free scanning apps available for both android and apple products. CamScanner and iScanner are two such apps, but there are many more. Please use one of those. .jpg files are not acceptable. If you insert your pictures into a word doc, it must be saved and sent as a .pdf. Word docs are not an acceptable form to submit.)

3. The course is built around the following graded tasks:

Information Sheet (1%)
- This is a form that is located in the “Start Here” section of Ecampus. It should be filled out and uploaded to ecampus before due date listed in the calendar above. Follow all directions for its correct submission in Ecampus and in the syllabus above.
- No late submissions will be considered for a grade.

Discussion Board (2%)
- There is 1 discussion board in eCampus. The due date is listed in the calendar above.
- The instructions for the discussion board are listed in eCampus.
- The discussion board requires you to respond to others in the board. If you wait till the last minute, then no one has the opportunity to respond to your post.
- This is graded according to the rubric stated within the instructions for the discussion.
- Any posts made after that will not be considered for grading purposes. No late entries will be graded.

MyMathLab Assignments (15%)
- Assignments are in MyMathLab and typically cover 1 section of course material per assignment.
Assignments are due at 11:59 pm on the due date listed in the calendar above. Every assigned problem can be “repeated” up to 4 or 5 times by doing a similar problem. Learn from your mistakes until you get it right! Use the Study Plan and the eText in order to really learn the material before working the assignments. Counting “Are you ready for Calculus” and the media assignments, there are 37 assignments and only the highest 34 grades will be used for computing the assignment average. After the due date, assignments may be reviewed by going into your gradebook in MML and clicking on Review. This will permit you to review the problems, but will not change the grade. No extensions on Due dates exist for any reason. Note that only 34 (out of 37) assignment grades apply toward the average at the end of the semester. No extensions are given for any reason.

Review Assignments for Exams (9%)
- These 3 assignments are posted in MyMathLab.
- Assignments are due by 11:59 pm on the due date listed in the calendar above.
- No extensions on Due dates exist for any reason. Please work ahead.

Unit Exams (51%)
- There are three (3) Unit Exams during the semester. Unit Exams 1-3 are the major exams that end a unit of study. Unit Exams are based on the content of the assignments since the last exam and the associated Review Assignments.
- No books or notes are permitted on exams.
- These exams are online in MyMathLab and each is timed at 90 minutes. They will become available on the days listed in the syllabus calendar above. All work must be shown on your own paper in your own handwriting on each problem in order to receive credit for the problem. You must upload your fully worked out solutions for each problem to your instructor within 20 minutes of submitting the exam in MML. The best way to study for the exam is to use the homework assignments and the Review Assignment for the Exam. If you do not take an exam, you will receive the grade of zero. There are no make-ups or retakes for any reason.
- You must do all of the exam work on your paper. Keep the exam open in MML until you are finished or time is expired. The submission time in MML and the time on your upload must be within 20 minutes of each other in order for the exam to be graded. If that time difference is more than 20 minutes, the grade on the exam will be zero (0). No late papers are considered.
- No books or notes are permitted on exams. All formulas must be memorized. This is an expectation of the Richland College Mathematics department.
- If any Unit Exam of 1 - 3 is missed, the grade assigned will be a zero (0). Extensions to exam dates do not exist. However, if you find that you need to take the exam early, please contact me and that can be arranged.
• The Final Exam grade will replace the lowest grade of Exams 1-3, if the Final Exam grade is higher.
• The Exams are password protected. The password is start. This will make sure you are really ready to open and take the test.
• If your exam, MyMathLab, the internet or anything else fails during the exam, submit your work within 20 minutes of that happening. The exam is not reopened for any reason. If you are not sure of your internet connection, there are computers and internet available at libraries and a number of other places.
• Your exam will immediately submit if you go to any other website or try to access the book or homework problems within MyMathLab. The exam will not be reopened if this happens. Submit your written work within 20 minutes after the exam auto-submits for any credit to be given for any problems worked on the exam.
• The exams are timed. You must click submit on your exam in MML before time runs out, or it will shut you out of being able to work on any assignments until it is reset by me (usually sometime the next day).
• TI 89, TI-Nspires, and any other brand calculator with a computer algebra system (CAS) are not permitted.

Final Exam (23%)
• The Final Exam is based on the assignments from the semester and the Review Assignment for the Final Exam.
• No books or notes are permitted on exams. All formulas must be memorized. This is an expectation of the Richland College Mathematics department.
• At the end of the semester when the course average is computed, the Final Exam grade will replace the lowest Unit Exam grade, if the Final Exam grade is higher. If two or more Unit Exam grades have the same lowest score, only one will be replaced.
• The Final Exam is required of all students. A missed final exam will earn a grade of zero and that zero will count in the grade. Extensions to the exam date do not exist. However, if you find the need to take the Final exam early, please contact me and that can be arranged.
• The Final exam is online in MyMathLab and is timed at 110 minutes. It will become available on the day listed in the syllabus calendar above. All work must be shown on your own paper in your own handwriting on each problem in order to receive credit for the problem. You must upload your fully worked out solutions for each problem to your instructor within 20 minutes of submitting the exam in MML. All work must be done on paper and submitted.
• You must do all of the exam work on your paper. Keep the exam open in MML until you are finished or time is expired. The submission time in MML and the time on your upload must be within 20 minutes of each other in order for the exam to be graded. If that time difference is more than 20 minutes, the grade on the exam will be zero (0). No late papers are considered.
• Each exam is Password protected. The password is start. This will make sure you are really ready to open and take the test.
• If your exam, MyMathLab, the internet or anything else fails during the exam, submit your work within 20 minutes of that happening. The exam is not reopened for any reason. If you are not sure of your internet connection, there are computers and internet available at libraries and a number of other places.
• Your exam will immediately submit if you go to any other website or try to access the book or homework problems within MyMathLab. The exam will not be reopened if this happens. Upload your written work to ecampus within 20 minutes after the exam auto-submits for any credit to be given for any problems worked on the exam.
• The exam is timed. You must submit your exam before time runs out.
• TI 89, TI-Nspires, and any other brand calculator with a computer algebra system (CAS) are not permitted.

4. On the written work for exams and on written assignments:
• Graphs should show appropriate scales and some exact points (at least three is always a good number to show). Label your axes appropriately with the variables. Scale should be evident in some fashion. Pay attention to how I do my graphs in the solutions to the written assignments to give you guidance on that. Just copying a graph off of your calculator screen without a correct interpretation as it is transferred to your paper will generally receive no credit. Unless using a graph from the calculator is specifically stated in the problem, a hand-drawn graph is always better.
• Solutions to equations must totally be justified with supporting work. If exact values are requested, decimal approximations will receive no credit.
• Always read all instructions on the exam and on each problem. Method counts, so if you are asked to solve a problem in one way and you do it a different way, little or no credit may be earned.
• On the written assignments and exams, word/application problems require full sentence answers to the requested information. (In other words, answer the question with a full sentence answer.) These full sentences are typically already written out in the homework assignment problems in MML with a blank to fill in for your numeric answer. That is the sentence type that you need to write out on exams and written assignments. I do not want essays explaining every step in a problem, like the “Help Me Solve It” or the “View an Example”.
• Make sure that the document you are sending me is legible (open it and look!), has your name, course and section, and what it is (unit exam 1, WA 3, etc) on each page. I cannot grade what I cannot read or see on the page.

5. Getting help:
• Tutoring is available in The Learning Center, in M 216. You need a Richland College ID card. There are computers there as well so you can work on your online homework if necessary. Check in M 216 for the times. They are only available while the campus is open.
• Come visit me in my office during my office hours or by making an appointment by email.
• Send me emails from MyMathLab, from within the Study Plan or an Assignment. Always put your answer into the answer box and attach any work to the email (send a scan or image of your handwritten work).
• Email me with specific questions that can’t be sent from Mymathlab. Try to send a picture of your work so that I can better answer your questions and help you.

6. There are computers available on campus in case you have issues with internet connectivity or your computer.
• Computers are available in Del Rio in the General Access lab on the 2nd floor, and during open lab hours in D 248. Check those rooms for the times. These labs are only open during the open hours of Richland College.
• Richland College is wi-fi enabled. This is shut off when the campus is closed. Please note those dates in the calendar.

7. Although I encourage students to work together on everything EXCEPT EXAMS, your work should be your own. Reading a paper from one student then reading its duplicate from another could result in the grade of 0 for both students on that assignment. If you work in study teams, each student is expected to submit their own work and thoughts.

8. Miscellaneous Items:
• Purchasing the MML code for this course from sources other than the bookstore is your choice.
• **PLAN AHEAD: There are no extensions on any due dates for any reason.** If you wait till the last hour or two to begin an assignment or Exam and a) MyMathLab is down or b) the exam times out or c) you run out of time and don’t finish, you will receive the grade earned on the completed portion. If you don’t do the asmt (etc) at all, you will receive a zero. Basically, you know when all the due dates are in the schedule above. If you wait till the last day to try to complete something and MyMathLab is down, or your computer crashes, then you earn a zero on that missed activity.
• Once a due date has passed, written work will no longer be accepted on any written activity. Written assignments are due by 11:59 pm on the due date. The written work for exam problems is due within 20 minutes of submitting the exam online.
• Sending a question or whatever to me on the evening of a due date requesting help on a question or stating that whatever won’t open… these emails will usually not be received until the next day. That will probably be too late to help on that exact assignment, although I will still respond. Please plan ahead and try to work ahead so that if you send an email question in the evening, its response email will be before the due date for you.
• Studying for math is different than studying for other subjects. Just looking through your notes or homework or the book and saying to yourself “oh, I remember that…” is not studying. You must actually work problems out and practice mathematics in order to learn it. Watching someone else (even if it was
your own work “yesterday”) doesn’t help you much. Students, who are successful in this course, work a lot of problems for practice. Math must be studied with pencil and paper.

- I will respond to emails that are appropriately addressed (course and section number in the subject line and your full name as a signature) within the time frame described on the first page of this syllabus. I am a little slower on emails that are not addressed correctly as I don’t always recognize the email address and may assume it is spam. It may also be deleted and not even read to begin with. Emails with subject line: “help” or “unit exam” will not be answered since the course and section number are not in the subject line.

- Grades are not automatically transferred from MyMathLab— I must enter them. For grade entry issues in Ecampus, send me an email. Sometimes, I mistype. I will catch the errors at the end of the semester, but if you catch them earlier please let me know and I will fix them.

- I send out a weekly email (sometimes more often than that) with reminders on due dates for exams and other comments about content. That is NOT a replacement for the calendar above. The list of due dates in MML does not include items not in MML. The calendar above has the full list and should be followed closely.

- Each student must provide his/her own graphing calculator. TI-89, T-Nspires, and any other calculator with a CAS is not permitted.

9. Use of books or notes or any other unauthorized materials on the written exams is considered cheating and will earn a zero on the exam. Your name will also be turned in to the Dean of Students who could follow up with other action. **Anyone caught cheating on an exam (including online ones) will forfeit the right to replace the lowest test score with the final exam for the entire course.**

**Course Schedule**

<table>
<thead>
<tr>
<th>Day</th>
<th>Content to be covered</th>
<th>Assignments and Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 1</td>
<td>Read the syllabus! Go over Sections 6.1 and 6.2</td>
<td>12/13 Section 6.1, 12/13 Section 6.2</td>
</tr>
<tr>
<td>12/13</td>
<td></td>
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</tr>
<tr>
<td>Day 2</td>
<td>Go over Sections 6.3 and 6.4</td>
<td>12/14 Section 6.3, 12/14 Section 6.4, 12/14 Information Sheet (on ecampus)</td>
</tr>
<tr>
<td>12/14</td>
<td></td>
<td></td>
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<tr>
<td>Day 3</td>
<td>6.5 and 6.6</td>
<td>12/16 Section 6.5, 12/16 Section 6.6</td>
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<tr>
<td>12/15</td>
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<tr>
<td>Day 4</td>
<td>7.1 and 7.2</td>
<td>12/17 Section 7.1, 12/17 Section 7.2</td>
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<tr>
<td>12/16</td>
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<tr>
<td>Day 5</td>
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<tr>
<td>12/17</td>
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<tr>
<td>Day 6</td>
<td>12/18</td>
<td>7.3, Review for Exam 1</td>
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<tr>
<td>Day 7</td>
<td>12/19</td>
<td>Exam 1 8.1</td>
</tr>
<tr>
<td>Day 8</td>
<td>12/20</td>
<td>8.2, 8.3</td>
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<tr>
<td>Day 9</td>
<td>12/21</td>
<td>8.4, 8.5</td>
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<tr>
<td>Day 10</td>
<td>12/22</td>
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<tr>
<td>Day 11</td>
<td>12/23</td>
<td>8.7, 8.8</td>
</tr>
<tr>
<td>Day 12</td>
<td>12/24</td>
<td>Review for Exam 2 Exam 2</td>
</tr>
<tr>
<td>Day 13</td>
<td>12/25</td>
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<tr>
<td>Day 14</td>
<td>12/26</td>
<td>10.1</td>
</tr>
<tr>
<td>Day 15</td>
<td>12/27</td>
<td>10.2, 10.3</td>
</tr>
<tr>
<td>Day 16</td>
<td>12/28</td>
<td>10.4, 10.5</td>
</tr>
<tr>
<td>Day 17</td>
<td>12/29</td>
<td></td>
</tr>
<tr>
<td>Day 18</td>
<td>12/30</td>
<td>10.6, 10.7</td>
</tr>
<tr>
<td>Day 19</td>
<td>12/31</td>
<td>10.8</td>
</tr>
<tr>
<td>Day 20 1/1</td>
<td>10.9</td>
<td>1/1 Section 10.9</td>
</tr>
<tr>
<td>Day 21 1/2</td>
<td>10.10, Review for Exam 3</td>
<td>1/2 Section 10.10 1/2 Review for Exam 3</td>
</tr>
<tr>
<td>Day 22 1/3</td>
<td>Exam 3</td>
<td>Exam 3 is <strong>ONLINE</strong> available from 12:01 pm until 11:59 pm on Friday, January 3</td>
</tr>
<tr>
<td>Day 23 1/4</td>
<td>11.1, 11.2</td>
<td>1/4 Section 11.1 1/4 Section 11.2</td>
</tr>
<tr>
<td>Day 24 1/5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day 25 1/6</td>
<td>11.3, 11.4</td>
<td>1/6 Section 11.3 1/6 Section 11.4</td>
</tr>
<tr>
<td>Day 26 1/7</td>
<td>11.5, 11.6</td>
<td>1/7 Section 11.5 1/7 Section 11.6</td>
</tr>
<tr>
<td>Day 27 1/8</td>
<td>11.7</td>
<td>1/8 Section 11.7</td>
</tr>
<tr>
<td>Day 28 1/9</td>
<td>Review for the Final Exam</td>
<td>The final exam is comprehensive 1/9 Review Assignment for Final Exam</td>
</tr>
<tr>
<td>Day 29 1/10</td>
<td>Final Exam</td>
<td>Final Exam is <strong>ONLINE</strong> and available from 12:01 am until 11:59 pm on Friday, January 10</td>
</tr>
</tbody>
</table>

### Attendance and Your Final Grade

In order to be successful, students must attend and participate in enrolled courses. Since this is an online class, there is no actual classroom attendance. However, the class is set up as though you are in class for 12 hours per week. You need to plan on at least about 24 or so per week in order to meet all graded activity due dates/times. You will earn 2% of your course grade by completing all of the following steps.

1. Go to “Start Here” in ecampus and download the Information sheet, fill the information sheet by hand. Scan your information sheet
2. Upload your information sheet hand written from to ecampus no later than Tuesday, January 17. The file must be a pdf.
Late Work Policy

No late work will be accepted. No extensions on Due dates exist for any reason.

Other Course Policies

Assignments and Unit Exams are found at the MyMathLab website, pearsonmylabandmastering.com. The due time for on-line work is 11:59 pm on the due date. MyMathLab does not accept work after it is due.

Allow time for computer/internet problems -- do not wait until the last minute to submit work. This is an online class. You are expected to have a computer and reliable internet access available to you. There are computers on campus in the open lab in the 2nd floor lab in Del Rio, but they are only open when the College is open and only during their hours posted on the door. Wifi is turned off when the campus is closed. Those dates are listed in the calendar above. The website being down or your computer or internet access not working at the last minute is something you should expect. Work ahead.

Student Learning Outcomes

Upon successful completion of this course, students will:
1. Use the concepts of definite integrals to solve problems involving area, volume, work, and other physical applications.
2. Use substitution, integration by parts, trigonometric substitution, partial fractions, and tables of anti-derivatives to evaluate definite and indefinite integrals.
3. Define an improper integral.
4. Apply the concepts of limits, convergence, and divergence to evaluate some classes of improper integrals.
5. Determine convergence or divergence of sequences and series.
6. Use Taylor and MacLaurin series to represent functions.
7. Use Taylor or MacLaurin series to integrate functions not integrable by conventional methods.
8. Use the concept of polar coordinates and parametric equations to find areas, lengths of curves, and representations of conic sections.

Texas Core Objectives

The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:
1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication

3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making

6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**Institutional Policies**

Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

[Richland Institutional Policies](http://www.richlandcollege.edu/syllabipolicies)