INSTRUCTOR’S INFORMATION
(Instructor reserves the right to amend this information as necessary.)

Semester and Year: Fall 2019
Meeting Dates: 8/26/2019 to 10/18/2019
Section: 81410
Class time and days: ONLINE
Room: ONLINE
Instructor: Sam Obeid
Contact Info: Email obeid@dcccd.edu Tel: 972 761 6798 Office: L234
Office Hours: MTWRF 10:00 – 11:00. 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 Monday – Friday. Emails received Friday afternoon through Sunday will be answered as soon as possible.

Last date to withdraw: October 4, 2019
Final Exam Day and time: The final exam will be available in MyMathLab from 12:01 am until 11:59 pm on Friday, October 18. It is timed at 110 minutes. Your work must be uploaded on ecampus within 20 minutes of your completion of the final exam on MML. The final is comprehensive.

MyMathLab Course ID: The Course ID is in the syllabus posted in eCampus. (will be available on August 19)

Evaluation Procedures: 1% Information Sheet
1% Introductory Discussion Board in eCampus
15% MyMathLab Assignment Average
9% 3 Written Assignments (3% each)
51% 3 Exams (17% each)
23% Final Exam (comprehensive)

Grades are assigned according to the following scale:
A: [90, 100], B: [80, 90), C: [70, 80), D: [60, 70), F: [0, 60)

Attendance Policy: 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 8 hours per week. You need to plan on at least about 16 or so per week in order to meet all graded activity due dates/times. You will earn 1% 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

AND

Revised for Fall 2019 1 5/16/2019
2. Upload your information sheet hand written from step 1 to ecampus no later than Tuesday, August 27. The file must be a pdf.

Required 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.

Class Calendar:

<table>
<thead>
<tr>
<th>Week</th>
<th>Content to be covered</th>
<th>Assignments and Due Dates</th>
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</thead>
<tbody>
<tr>
<td>1 8/26</td>
<td>Read the syllabus! 2.1, 2.2 2.3, 2.4, 2.5</td>
<td>8/26 &quot;Are you ready for Calculus?&quot; 8/27 Section 2.1 &amp; Information Sheet 8/28 Section 2.2 8/29 Section 2.3, 8/30 Section 2.4 8/31 Section 2.5</td>
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<tr>
<td>2 9/2</td>
<td>2.6, 3.1, 3.2, Review for Exam 1 Exam 1</td>
<td>9/3 Section 2.6 9/4 Section 3.1 9/5 Section 3.2 9/6 Review for Exam1 &amp; Written Assignment 1 9/7 Unit Exam 1 is ONLINE and available from 12:01 am until 11:59 pm on Saturday, September 7.</td>
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<td>3 9/9</td>
<td>3.3, 3.4 3.5,3.6 3.7</td>
<td>9/9 Section 3.3 9/10 Section 3.4 9/11 Section 3.5 9/12 Section 3.6 9/13 Section 3.7 9/15 Discussion Board Asmt (ecampus)</td>
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<tr>
<td>Date</td>
<td>Sections</td>
<td>Notes</td>
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<tr>
<td>9/16</td>
<td>3.8, 3.9, 3.10, 3.11</td>
<td>Review for Unit exam 2 Unit Exam 2 is ONLINE and available from 12:01 am until 11:59 pm on Saturday September 21</td>
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<td>Week 5</td>
<td>9/23</td>
<td>4.1, 4.2, 4.3 4.4, 4.5</td>
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<td>Week 6</td>
<td>9/30</td>
<td>4.6, 4.7, 4.8 Review for Unit Exam 3 Unit Exam 3 is ONLINE and available from 12:01 pm until 11:59 pm on Friday, October 4.</td>
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<td>9/30</td>
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<td>Week 7</td>
<td>10/7</td>
<td>5.1, 5.2, 5.3, 5.4</td>
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<td>10/7</td>
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<td>Week 8</td>
<td>10/14</td>
<td>5.5, 5.6 Review Assignment for Final Exam Final Exam is ONLINE and available from 12:01 am until 11:59 pm on Friday, October 18.</td>
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<td>10/14</td>
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Instructor Policies and Suggestions for Student Success:

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.

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. 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-hand side labeled Chapter Contents and expand Chapter 2.
✓ Click on the button on the left-hand side labeled “Section 2.GR” Get Ready for Chapter 2. After watching the videos, click on section 2.1. Read section 2.1 and follow the instructions on that page. Finish the Section 2.1 assignment, then proceed on.
✓ After section 2.1, continue on to 2.2 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 or take pictures of it with your phone or camera.* Only one (1) document should be submitted in the email. 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 sending 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 must be uploaded to ecampus. They 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.

(*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 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 emailed to me by the 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 (1%)
- 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.
- The discussion board has you posting responses solely to my initial post. You will not be creating your own threads.
- I will reopen the discussion board after I have printed the entries for grading. 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 35 assignments and only the highest 32 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 32 (out of 35) assignment grades apply toward the average at the end of the semester. No extensions are given for any reason.

Written Assignments (9%)
- These 3 assignments are posted in ecampus:
  - Written Assignment 1
  - Written Assignment 2
  - Written Assignment 3
- Assignments are to be submitted by email. (See #2 above for Instructions for submitting written work.)
- Assignments are due by 11:59 pm on the due date listed in the calendar above. (Time stamps on emails are considered.) Late papers are not accepted.
- I will grade, post grades in ecampus within two days.
- 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 send your fully worked out solutions for each problem to your instructor within thirty (20) minutes of submitting the exam in MML. There are no answer boxes in MML; all work must be done on paper and submitted (see #2 above). 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 email 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 send your fully worked out solutions for each problem to your instructor within 20 minutes of submitting the exam in MML. There are no answer boxes in MML; all work must be done on paper and submitted (see #2 above).
• There are no answer boxes provided in MML on exams. 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 email 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.
• The Final 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. 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 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.

• **Allow time for computer and/or internet problems** – do not wait until the last minute to submit work. You have the option of either working from your home computer or from computers that are available on campus. If you choose to work from your personal computer, it is your responsibility to maintain both it and your internet service in good working order. If you choose to do your work at school, it is your responsibility to **know the hours that a computer lab is available**. Each student must provide his/her own graphing calculator. TI-89, T-Nspires, and any other calculator with a CAS is not permitted.
COURSE SPECIFIC INFORMATION

Catalog Course Description
This course is a study of limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Prerequisites
Math 1348, Math 2412 or equivalent.

Learning Outcomes
Upon successful completion of this course, students will:
1. Develop solutions for tangent and area problems using the concepts of limits, derivatives, and integrals.
2. Draw graphs of algebraic and transcendental functions considering limits, continuity, and differentiability at a point.
3. Determine whether a function is continuous and/or differentiable at a point using limits.
4. Use differentiation rules to differentiate algebraic and transcendental functions.
5. Identify appropriate calculus concepts and techniques to provide mathematical models of real world situations and determine solutions to applied problems.
6. Evaluate definite integrals using the Fundamental Theorem of Calculus.
7. Articulate the relationship between derivatives and integrals using the Fundamental Theorem of Calculus.

Core Statement
Math 2413 is a core course for Core 2015. It is in the Foundational Component Area of Mathematics. Courses in this category focus on quantitative literacy in logic, patterns, and relationships. Courses involve the understanding of key mathematical concepts and the application of appropriate quantitative tools to everyday experience.
The following core objectives will be addressed and assessed through the content covered in this course:

- Critical Thinking Skills: to include creative thinking, innovation, inquiry, and analysis, evaluation and syntheses of information
- Communication Skills: to include effective development, interpretation and expression ideas through written, oral and visual communication
- Empirical and Quantitative Skills: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Specific Content Coverage

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<tr>
<th>Section</th>
<th>Title</th>
<th>Objectives covered</th>
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<tr>
<td>2.1</td>
<td>Rates of Change and Tangent Lines to Curves</td>
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Academic Dishonesty in Math Classes
Academically dishonest behavior is, in general, the representation of another’s work as one’s own. This includes unauthorized collaboration between students, and on exams it includes using books, notes, or other unauthorized materials or websites or apps during the exam. Students who behave in academically dishonest ways may have their grade penalized, or be subject to disciplinary action by the Dean of Students. Students who collaborate during exams or use unauthorized materials or websites or apps on exams may, at the instructor’s discretion, have the exam grade lowered or be given a grade of zero. In the instance that a student is given the grade of zero on a unit exam, the right of having any unit exam grade replaced with the Final Exam grade is forfeited. Students who are academically dishonest on the Final Exam may, at the instructor’s discretion, have the grade lowered, be given a grade of zero on the final, or be given the grade of F in the course.
Institutional Policies relating to this course can be accessed from the following link:
www.richlandcollege.edu/syllabipolicies