

# Math 147 Online, Item 4257

Professor Brackebusch, Fall Quarter 2017, Olympic College

**NOTE: This class requires two proctored tests taken offline.**

This class is not appropriate for students away from Bremerton who cannot commute to a college testing center that offers proctoring services.

## Professor Contact Information

Email: [abrackebusch@olympic.edu](mailto:abrackebusch@olympic.edu), answered Monday through Friday at about 10 am and 5 pm.

Office Hours in HSS 343: Monday, Wednesday, and Friday from 9:50 am to 11:20 am or by appointment

Voicemail: 360-475-7735, checked at about 10 am on Monday, Wednesday, and Friday.

## About the Course

**Description:** First in a two quarter sequence of algebra and calculus focusing on applications in business and economics; functions, including exponential and logarithmic and their graphs; financial formulas, systems of equations, linear programming. Requires use of a graphing calculator.

**Prerequisite:** A grade of 2.0 or higher in Math 099 or Math 099I within the last six years (Spring 2011 or later) or an appropriate placement test score dated May 2015 or later.

**Learning Outcomes:** At the end of this class, successful students will be able to do the following:

- Use functions to model business applications.
- Solve logarithmic and exponential equations.
- Solve application problems involving compound interest, annuities, amortization and sinking funds.
- Understand and apply the methods of matrices and systems of linear equations.
- Develop and solve linear programming problems by graphical methods.
- Acquire confidence and accuracy in using a graphing calculator for complex computations.

## This Online Class is Only Appropriate for Mature, Self-Directed Students

Students who have successfully completed self-directed projects, perhaps on the job, with their families, or in other classes, have demonstrated the personal skills of persistence and planning that will make this class a successful experience. Students who have not excelled in previous math classes (grades below 3.0) may have difficulty completing online Math 147 and should consider taking a campus class. To switch to the campus class, please contact the professor about this during the first week of classes.

## Textbook

- The textbook is College Mathematics for Business, Economics, Life Sciences, and Social Sciences, **13th edition**, by Barnett, Ziegler, and Byleen.
- This class covers chapters 1 through 5<sup>1</sup>.
- Because the class website contains a complete electronic copy of the text, possession of a physical textbook is not required.

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<sup>1</sup> Sections 5, 6, and 7 of chapter 4 are skipped.

## MyMathLab Class Website

### MyMathLab Access Required.

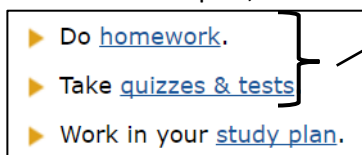
- The required class website is located at [mymathlab.com](http://mymathlab.com). Since the class website is hosted by the publisher, students are expected to pay a fee to use the class website. This fee cannot be waived.
- The professor will email students information on entering the class website (including the course ID) before the quarter begins.
- Information on entering the class website for free temporarily will be included. This will assure that all students start the class in a timely fashion.
- The most affordable way to get access to the class website is to pay by credit card or PayPal at the class website.
- The Olympic College Bookstore is also a reliable source for access codes.

### Online Textbook Included in the Class Website

- This menu item in the class website leads to the textbook.

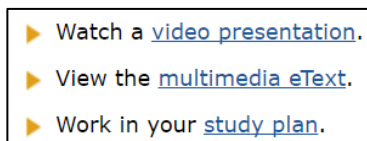
Chapter Contents >

- Once the text is open to any page, it is possible to navigate to any other page.
- Once inside a chapter, several links are provided.



Leads to the "Online HW/Final" area, with filters limiting assignments shown.  
The "study plan" is disabled in this class; the problems appear in the HW assignments instead.

- Once inside a section, several links are provided.



The videos show the textbook examples.  
"multimedia eText" opens the textbook in another tab or window.  
The "study plan" is disabled in this class

- The textbook pages may be printed, several at a time. The pages will include a watermark.
- Students who wish a published copy may rent from the bookstore or another source or purchase directly from the publisher. A more affordable option is to seek out a previous edition (11th or 12th) of the text to read for content and ideas.

### Solutions Manual Included in the Class Website

- It is not necessary to purchase this, it has worked solutions to textbook problems.
- You may view this online or print it out.

## Required Graphing Calculator or Equivalent

- Lessons about the TI-83/84 graphing calculator are included in the class website.
- Information on renting a graphing calculator is located [here](#).
- Students may use an app or other technology that provides the same features. Be aware that many other apps do NOT include the matrix features needed in chapter 4.

Students must also have a scientific (non-graphing) calculator for use on Test 1 and Test 2. These cost less than \$15. The TI-30 family of calculators is popular with students.

## Obtaining Help

**Technical Help:** If you have trouble the registering for the class website or with technical issues in the class website, consult the support link in MyMathLab or call 800-677-6337.

**Help with Math:** Contact the professor by email or visit during office hours. No question is too big or too small! If you need help with a specific online problem, it is best to use the “Ask My Instructor” link next to the problem while any answers you have entered are showing. The professor will be sent a copy of your version of the problem showing your answers. Responses will be sent to your OC email account.

**Tutoring:** For information on in-person and online tutoring provided by Olympic College, visit this link: <http://www.olympic.edu/services/tutoring-services>

## Syllabus Modifications

The professor reserves the right to make corrections or modifications to this syllabus and related policies as needed. Any changes will be publicized to the class.

## Assignments are In Three Areas in the Class Website

The menu items with \* in the title lead to assignments.

\*Online HW/Final—Go here to complete these online.

\*Test 1 and Test 2—Go here to read instructions about these offline, proctored tests.

\*Written Problems—Information about these two offline assignments.

\*Online HW/Final

\*Test 1 and Test 2

\*Written Problems

## Locating a Complete List of Due Dates and More in the Class Website

Use this link in the main course menu:

The “Resources” posted in this area are the lecture notes and problems completed by the on-campus Math 147 class.

Calendar+Resources

## Composition of Course Grade

Homework	Written Problems	Tests	Final Exam
20%	5%	50%	25%

## Course Grade Calculation Based on Overall Course Percentage in MyMathLab

Percentage	95% or above	85%	75%	65%	62%	61% or lower
Course grade	4.0	3.0	2.0	1.0	0.7	See below.

For course percentages between 62% and 95%, each 1% change in the course percentage corresponds to a 0.1 change in the course grade. The professor reserves full authority to determine whether a grade of 0.0 or WF is most appropriate for students with a course percentages 61% or lower.

**Extra Credit Not Available:** This class does not offer any extra credit assignments.

**Fairness of Grading System:** All students are graded using the same grading system. It is not appropriate to ask for special grading deals or exceptions to how grades are awarded for any reason.

## Homework

Percentage of Grade	<ul style="list-style-type: none"><li>• Homework is 20% of the course grade; 20 homework assignments each counting as 1% of the grade.</li><li>• The orientation assignment is additional; it does not count towards the grade.</li></ul>
How Completed	<ul style="list-style-type: none"><li>• These are completed online from the “*Online HW/Final” area.</li><li>• These may be completed in multiple sittings.</li></ul>
How Graded	<ul style="list-style-type: none"><li>• Grading is automatic by the MyMathLab system.</li></ul>
Hints	<ul style="list-style-type: none"><li>• The best way to ask a question about a HW problem is to use the “Ask My Instructor” button while any incorrect answers are showing. This method automatically sends the professor a copy of the problem with any answers.</li><li>• These may be printed, use the “Question Help” menu to do so.</li><li>• Reviewing completed HW assignments is done from the “Gradebook” area.</li></ul>

## Written Problems

Percentage of Grade	<ul style="list-style-type: none"><li>• These count as 5% of the course grade.</li><li>• There are two of these assignments, each worth 2.5% of the grade.</li></ul>
How Completed	<ul style="list-style-type: none"><li>• Instructions are in the “*Written Problems” area of the class website.</li><li>• Students write up solutions to problems, completing these offline.</li></ul>
How Graded	<ul style="list-style-type: none"><li>• The professor will grade these and email feedback. .</li></ul>
Hints	<ul style="list-style-type: none"><li>• Read the instructions carefully; grading is based on more than just the answer.</li></ul>

## Tests

Percentage of Grade	<ul style="list-style-type: none"><li>• The tests count as 50% of the course grade.</li><li>• There are 2 tests, each is worth 25% of the grade.</li></ul>
How Completed	<ul style="list-style-type: none"><li>• These are taken in a proctored (supervised) two-hour session offline.</li><li>• Students write up answers to problems.</li></ul>
How Graded	<ul style="list-style-type: none"><li>• The professor will grade these.</li><li>• Scans of graded tests will be emailed back to students.</li></ul>
Hint	<ul style="list-style-type: none"><li>• Details are in the “*Test 1 and Test 2” area in the website.</li><li>• Alternatives to testing on the Bremerton campus are provided.</li></ul>

## Final Exam

Percentage of Grade	<ul style="list-style-type: none"><li>• The Final Exam is 25% of the course grade.</li></ul>
How Completed	<ul style="list-style-type: none"><li>• This is completed online from the “*Online HW/Final” area.</li><li>• The Final Exam is untimed.</li><li>• This may be completed in multiple sittings over several days. To take a break from the final, close the test by closing the question window (X it out); ignore any warning message. DO NOT CLICK SUBMIT until you are finished.</li></ul>
How Graded	<ul style="list-style-type: none"><li>• Grading is automatic by the MyMathLab system.</li><li>• Students should email on or before Friday December 15 to alert the professor about Final problems marked incorrect for minor technical reasons, such as entering two decimal points or a numerical answer rounded incorrectly.</li></ul>
Hint	<ul style="list-style-type: none"><li>• All Final Exam questions are based on previously assigned homework problems.</li><li>• If unsure about an answer to a question, close the Final Exam and practice the related online homework problem several times first.</li></ul>

## Policies about Late Work

Assignment Category	Late Work Policy
Homework	A “three-day courtesy” exists for all homework. This means that homework may be worked for three additional days after the due date. Once three days have passed, the homework closes.
Written Problems	The late penalty is 20% per day late.
Tests	It is expected that all tests will be completed on or before the dates listed in the Calendar. A late test is only possible under a legal basis such as covered by ADA or Title IX laws. (Example: You give birth to a child at the time of a test.) Documentation to support a request for a late test must be submitted to the appropriate campus personnel for approval.
Final Exam	Same as policy for tests, above.

## Policies about Second Chances or Retakes

Assignment Category	Second Chance or Retake Policy
Homework	Incorrect problems may be re-done for full credit by using the “Try Again” button as long as three days after the due date have not passed. Once three days have passed since the due date, these problems may no longer be worked.
Written Problems	None available.
Tests	None available.
Final Exam	The Final Exam may be taken twice before the due date. Only the higher score will count towards the grade. Students are not required to use their second try, it is optional.

## Required Reading of Syllabus, Email, and Announcements

Students are responsible for the information in this syllabus. Feel free to email if you have trouble locating any information.

Students are required to check OC email regularly. Except in emergency situations, personal email accounts should not be used to communicate with the professor. Responses to all student email, including email generated by the “Ask My Instructor” system, are sent to student OC email accounts. Note: This class does NOT use the Canvas email system.

Students are expected to regularly read all the Announcements posted in the class website.

## Academic Honesty Policy

Students are required to do their own work on all assignments for this class that count towards the course grade. In addition, students may not allow any other person to use their MyMathLab class accounts in any way. However, it is appropriate to get help with textbook exercises and with reading information in the text.

## Name in MyMathLab

Although the login name for MyMathLab may be any name students wish, students must use real last names and first names to identify themselves elsewhere in MyMathLab.

## Backup Computer and Internet Access

Because this is an online class, students are responsible for having a back-up plan for accessing a computer and the internet in case of technology problems. All OC students are able to use the Olympic College open computer labs in Bremerton or Shelton or Poulsbo. Lack of access to a computer and the internet may not be used as a reason to fall behind.

## Studying in This Class

You can do it! Successful students in online Math 147 are those who take charge of their learning and set aside time for Math147 on at least four days a week. They decide to get going in the class and keep going, even when there might be frustrations and setbacks in personal or work lives.

**Get Started, Keep Up, and Do NOT Fall Behind!** This is the number one secret of success!

**Be Aware of ALL Assignments, Not Just the Online Ones!** If you ignore the offline class work (the Written Problems and the two tests), it is not possible to pass the class.

**Use the Resources Wisely!**

Refer to the additional materials from the campus Math 147 class posted in the “Calendar + Resources” area. You may view the lecture notes and practice the problems students complete in class.

The textbook is valuable, it helps organize content and provide examples. The videos of the examples help many students; these are the same videos that are available when working certain homework problems.

**Textbook Tip:** If you only read the online text from the links next to an online problem, you will not be able to view all the textbook pages.

**Take Advantage of Online Examples and “Ask My Instructor”!**

When completing the homework problems, notice additional “Question Help” is available, including “View an Example” and “Ask My Instructor”. “Ask My Instructor” sends a copy of the problem exactly as it appears so you do not need to explain what problem you are completing.

## Miscellaneous Technical Information

**IMPORTANT Browser Set-Up Information:** Be sure to complete all steps in setting up your browser correctly, the instructions are linked [here](#). When configuring your browser, all addresses except myitlabs.com need to be given “special permissions”.

Note: The TestGen add-on is not required in this class.

**Do you think MyMathLab Made a Mistake?** Use “Ask My Instructor” while your graded answer is shown. Sometimes there is a mistake the publisher needs to be notified about; sometimes there is something in an answer a student is not noticing.

**Side-door Access:** If MyMathLab is temporarily unavailable, there is a side-door entrance to the online assignments, but not the full class website: [https://www.mathxl.com/login\\_mml.htm](https://www.mathxl.com/login_mml.htm)

**Repeated Login Requests:** If MyMathLab does not appear to remember you have logged in, you may need to delete cached files and cookies associated with your browser. Information is given here: <https://support.pearson.com/getsupport/s/article/Deleting-Browser-Cached-Files-and-Cookies>

## Disability and Pregnancy-related Adjustments and Accommodations

Any student who requests an accommodation based on the impact of a disability or a medically necessary absence due to pregnancy or childbirth should contact Access Services (360-475-7540; [AccessServices@olympic.edu](mailto:AccessServices@olympic.edu); [www.olympic.edu/AccessServices](http://www.olympic.edu/AccessServices)), or visit the office in the Humanities and Students Services Building (Bremerton), Room 205, for information or an appointment.

## Non-discrimination Statement

Olympic College seeks to maintain positive learning and working environments that are safe and respectful of the dignity of all members of the campus community. Discrimination on the bases of race, color, religion, national origin, age, disability, sex, sexual orientation, gender identity, pregnancy, veteran status and all other illegal bases will not be tolerated.

## Sexual Misconduct Statement

Sexual harassment, sexual assault, domestic and dating violence, and stalking are prohibited forms of sex-based misconduct (see OC Non-Discrimination Policy, Student Conduct Code, and Grievance Procedure). If you experience or witness sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Cheryl Nuñez (CSC 317A; 360-475-7125; [cnunez@olympic.edu](mailto:cnunez@olympic.edu)). All other forms of discrimination and harassment should be reported to the interim EEO Coordinator, Joan Hanten (Human Resource Services, CSC 5th Floor; 360-475-7300; [jhanten@olympic.edu](mailto:jhanten@olympic.edu)). You can also report sexual and other forms of discrimination and harassment online (anonymously, if desired) at OC, Report It!, in the footer of the College website. For confidential support, you can schedule an appointment with one of the Counseling Faculty (HSS 203; 360-475-7530; [CounselFac@olympic.edu](mailto:CounselFac@olympic.edu)).

## Authorized Absence for Reasons of Faith or Conscience

If you will not be able to complete an assignment on time because of an authorized absence due to reasons of faith or conscience, please inform the professor during the first week of classes in case any adjustments need to be made.