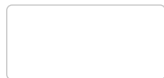


Course Syllabus



MAC 1140C Section 0M01 Precalculus

3 credit hours Fall 2022, Department of Mathematics

College of Sciences, University of Central Florida

Instructor: Dr. Rachid Ait Maalem Lahcen

Office: MSB 221, Email: rachid@ucf.edu (<mailto:rachid@ucf.edu>)

Office Hours: MW 10:30 am – 12:00 pm in MSB 221. MW 2:30 pm – 3:30 pm in TC1 102.

Class Meeting Days: **Class Meeting Days: Mondays and Wednesdays 7:30 am - 8: 50 am lectures in VAB 0132 with live Zoom available synchronously (link in Webcourses, check Zoom tab). And, Fridays 1:30 pm - 2:50 pm (no lectures) in person required attendance in MSB 240/241/242 (MALL) (no Zoom) to engage, complete an activity, or to take a test.**

"Class meetings are on Mondays and Wednesdays 7:30 am - 8: 50 am in **Visual Arts Building** (<https://www.ucf.edu/location/visual-arts-building/>), room 132. I'll turn on Zoom for synchronous live (links are in Webcourses, check Zoom on the left). You can choose to be in classroom or be in Zoom based on your preference. The class also meets on Fridays 1:30 pm - 2:50 pm in person in the MALL located in the **Mathematical Sciences Building** (<https://www.ucf.edu/location/mathematical-sciences-building/>) rooms 240/241/242. This in person requirement that starts on the second week, however, you are encouraged to come during the first Friday to MALL and engage with others or ask questions. If there is a technical issue with Zoom I'll record the session in office and post it. If you have questions about Zoom or Webcourses contact <https://cdl.ucf.edu/support/> (<https://cdl.ucf.edu/support/>)

Course Modality: This course is modality M. When you log in to myUCF you can see entire course notes about modality/format. It's not a W modality so cannot be fully online.

Course Description: PR: Appropriate score on the UCF Math Placement exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations. Properties and graphs of polynomials, rational,

exponential and logarithmic functions, sequences and series, binomial theorem

Course Goals: This course is designed to familiarize the student with such fundamental mathematical concepts as polynomials, linear and quadratic equations, exponential functions, and logarithmic functions. Preparing the student for upper-level mathematics. In a mathematics course, understanding is established not just by familiarity with concepts, but also by being able to work math problems associated with the concepts. Therefore, do not assume you know something unless you can work the problems. Pre-requisites of a course are what you are assumed to know before you take the course. It is assumed that you know all concepts associated with college algebra. Understanding pre-requisite knowledge is the responsibility of the student.

Required Materials:

- **MyLabsMath (MLM) Access Code for Precalculus, Fourth Edition by Sullivan and Sullivan.** Access code to be purchased through the **First Day Program** or the University Bookstore only. (Please note: **First Day Program** will be cheapest price available). See all details about this program in the first module. There is a deadline to opt in.
- **Regular notebook** (spiral-bound, binder) to keep neat and organized notes.
- **Calculator** – The Ti30XA is the preferred calculator but any non-graphing, non-programable calculator is allowed. It must be a physical calculator not an app on your phone as you may not use your phone during quizzes or tests. Ti30XA is the calculator provided during testing in the MALL. You can't use your personal calculator.
- Total of four 8-1/2 x 11 **bluebooks/greenbooks**, to be supplied by the student on test days. No admittance to testing with bluebook/greenbook.
- **UCF ID** is required for admittance to testing.
- **UCF NID and NID** password to access computers and Webcourses.

Note: Chrome is the recommended web browser for Webcourses and MyLab Math. If you are using an Apple product and/or Safari, there is some likelihood that you will have technical difficulties accessing MyLab Math. If you are having trouble accessing MyLab Math, first try clearing your browser cookies/history/cache. If this doesn't work, try completely powering down your computer and restarting. Try using either Chrome or Firefox. If you are still having issues, please navigate to <https://support.pearson.com/getsupport> (https://support.pearson.com/getsupport) to contact technical support. I am NOT your computer technical support person.

Required Academic Activity:

As of Fall 2014, all faculty members are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes, **REQUIRED ACADEMIC ACTIVITY** quiz in Webcourses no later Friday, 08/26/22 the first week of class by 5:00 pm. Failure to do so may result in a delay in the disbursement of your financial aid.

Assessment, Grading Procedures, Assignment Submission, and Important Dates:

Assignments	Percentage	More information
<p>Homework in MyLabs Math</p> <p>Must complete each homework prior to its due date to be able to achieve full score. Access 24/7 from anywhere. Multiple attempts per question. Extended automatically to be done after the due date until 12/1 with 20% deduction (applies to late questions or homework score).</p>	<p>20%</p> <p>One lowest score is dropped.</p>	<p>Each week there is a homework due on Sunday. See Modules.</p>
<p>MALL Activities</p> <p>In MyLabs Math. They are locked to MALL computers to mark both participation and in person attendance. 7 attempts are given yet you may be required to do some work in the Study Plan after 3rd attempt to gain access to remaining attempts. You are encouraged to study and review materials prior to attempting activities. They aren't extended. See make up policy.</p> <p>Required academic activity in Webcourses.</p>	<p>15%</p> <p>Two lowest scores are dropped.</p>	<p>Assigned on Fridays (non exam and non holiday days) to be completed during section 1:30 pm - 2:50 pm. They aren't timed. Begin on the second week. See Modules and calendar.</p> <p>due on 08/26/22 the first week of class by 5:00 pm</p>
<p>Midterm Exams 1, 2 and 3.</p> <p>In MyLabs Math. They are locked to MALL computers. They aren't extended. See make up policy.</p>	<p>Best two 43%</p> <p>(or one lowest score is dropped)</p>	<p>Test 1: 9/16/22</p> <p>Test 2: 10/14/22</p> <p>Test 3: 11/18/22</p> <p>During Friday section 1:30 pm - 2:50 pm (70 min each)</p>
<p>Final Exam</p>	<p>22%</p>	<p>To be scheduled by the student</p>

<p>InMyLabs Math. They are locked to MALL computers. It isn't extended. See make up policy.</p>	<p>It doesn't drop and doesn't replace anything.</p>	<p>during final examination week. More TBA on how to schedule. (150 min)</p>
<p>Extra Credit: up to 5% can be earned from the Study Plan. 5 pts are equivalent to 168 mastery points. Study Plan is adaptive meaning the earned mastery points can increase or decrease based on performance in the activities and exams. That's positive because it personalizes what you need to work on. You can access Study Plan at anytime, learn, and earn mastery points. Last day of final is the last day to submit mastery points. Extra credit applies after final exam score is received and only applies if total is less than 100. Total max is 100.</p>		<p>Purpose from extra credit is to show that success in Calculus requires more practice of exercises, for example, after you do homework you want to seek more practice in other places. Here, Study Plan is that place.</p>

Makeup Exam Information/ Makeup Work:

There will be no make-up exams or late work accepted except in the following events:

1. Military orders: Students who are deployed active-duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible after the semester begins and/or after they receive notification of deployment to make related arrangements.
2. Court summons: Provide a copy of your court summons prior to the exam.
3. University authorized event: Provide the signed Program Verification Form prior to the exam.
4. Religious observance: A student who desires to observe a religious holy day of his or her religious faith must notify the instructor at the beginning of the term (within the 10th business day of the

term) to be excused from classes to observe a religious holy day. <https://regulations.ucf.edu/chapter5/documents/5.020ReligiousObservancesFINALJan19.pdf>
(<https://regulations.ucf.edu/chapter5/documents/5.020ReligiousObservancesFINALJan19.pdf>)

5. Documented emergency: Examples of this include death in the immediate family, major car accident, hospitalization, etc. A makeup plan for a documented emergency will occur solely at the discretion of the instructor and the instructor must be notified through email or Webcourses by the student before the exam with appropriate documentation provided.
6. All make-ups must be done within 7 days of the exam or in the case of military duty 7 day after the return to class.
7. Travel plans are not a valid reason for a make-up test.
8. We grant several excused assignments as dropped scores for everyone. See the grading section. The dropped assignments are intended to handle any other situation and will be used first.

Grading Methods and Final Grades:

Letter Grade	Points
A	90-100
B	80-89
C	70-79
NC	40-69
F	39 or below

Grade Dissemination:

For feedback and knowledge of their progress you'll receive scores after due dates in Grades in [Webcourses@UCF \(mailto:Webcourses@UCF\)](mailto:Webcourses@UCF). MyLab Math may send scores while working on assignment to Webcourses but wait hours after the due date for it to refresh and update last scores.

Policy Statements:

Make-up Exams and Assignments

There will be no make-up exams or late work accepted except in the following events:

1. Military orders: Students who are deployed active-duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible after the

- semester begins and/or after they receive notification of deployment to make related arrangements. You must notify your instructor at least one week prior to the deployment.
2. Court summons: Provide a copy of your court summons at least one week prior to the test.
 3. University authorized event: Provide the signed Program Verification Form at least one week prior to the assignment, quiz or test.
 4. Religious observance: A student who desires to observe a religious holy day of his or her religious faith must notify the instructor Per UCF policy in the first 10 business days of class to be excused from classes to observe a religious holy day. Religious Observance Policy is below.

Please note

- No make-up will be given 7 days after its initial due date. In the event of a make-up test is given, the test will not be same as the one that is given and released.
- Personal or family Emergencies, Vacations/travel plans are not considered excused reasons.
- We grant excused assignments as dropped scores for everyone. See the grading section. The dropped assignments are intended to handle any other situation and will be used first.
- Internet or power outages, computer malfunctions are not considered excused reasons. Please see Internet outage statement and the Hardware and Software section.

Email

You are asked to read this entire document and be knowledgeable.

1. Please contact technical support when you have issues with MyLabs Math. Your instructor will not conduct technical support via email.
2. It is best if you contact your instructor via Webcourses. It will link you to your Math class and section.
3. If you use Knights email to contact your instructor you must include your full name and class meeting days and times.
4. Your instructor will not reply to communications from non-UCF addresses.
5. Emails about excused absences must FIRST have acceptable documentation attached. Keep in mind that some assignments include some drops/excused and you'll use that option in many cases. Also, activities include some extensions as stated above.
6. Emails will be answered the next business day in order in which they were received.

Schedule

(RAA required academic activity, MA mall activity due, HW homework due)

Month	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Aug 2022		22		24			
		1.1	23	1.2,1.3	25	26	27
						RAA	
	28	29	30	31	1	2	3
	HW1	1.4,1.5		2.1		MA1	
	4	5	6	7	8	9	10
Sep 2022	HW2	HOLIDAY		2.3, 2.4		MA2	
						16	
	11	12	13	14	15	EXAM 1	17
	HW3	2.7, 2.8		REVIEW		COVERS HW1, 2, 3	
	18	19	20	21	22	23	24
	HW4	3.1		3.2		MA3	
Oct 2022	25	26	27	28	29	30	1
	HW5	3.3		3.4		MA4	
	2	3	4	5	6	7	8
	HW6	3.5		3.6		MA5	
						14	
	9	10	11	12	13	EXAM 2	15
HW7	4.1, 4.2		REVIEW		COVERS HW4, 5, 6, 7		

	16	17	18	19	20	21	22
	HW8	4.3		4.4		MA6	
						28	
	23	24	25	26	27	MA7	29
	HW9	4.5		4.6		WITHDRAWAL	
						DEADLINE	
	30	31	1	2	3	4	5
	HW10	4.7		4.8		MA8	
	6	7	8	9	10	11	12
	HW11	9.2-9.4		10.5		HOLIDAY	
						18	
	13	14	15	16	17	EXAM 3	19
	HW12	11.1		REVIEW		COVERS HW8, 9, 10, 11, 12	
Nov							
2022		21		23			
	20	13.1-13.5	22	24	25	26	
	HW13	CALC PREVIEW		NO CLASS	HOLIDAY	HOLIDAY	
		28					
	27	HW14	29	30	1	2	3
		CALC PREVIEW		REVIEW			
Dec	4	5 - 9					10

FINALS WEEK – SCHEDULE FINAL EXAM -
COMPREHENSIVE

2022

HW15
COMPREHENSIVE

Hardware and Software Requirements

- Compatible web browsers: Google Chrome, Firefox. Safari may not be compatible.
- A backup plan to deal with internet or power outages

Academic Integrity

Students should familiarize themselves with UCF's Rules of Conduct at <<https://scai.sdes.ucf.edu/student-rules-of-conduct/>> (<https://scai.sdes.ucf.edu/student-rules-of-conduct/>). According to Section 1, "Academic Misconduct," students are prohibited from engaging in

1. Unauthorized assistance: Using or attempting to use unauthorized materials, information or study aids in any academic exercise unless specifically authorized by the instructor of record. The unauthorized possession of examination or course-related material also constitutes cheating.
2. Communication to another through written, visual, electronic, or oral means: The presentation of material which has not been studied or learned, but rather was obtained through someone else's efforts and used as part of an examination, course assignment, or project.
3. Commercial Use of Academic Material: Selling of course material to another person, student, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the university and the instructor. Course materials include but are not limited to class notes, Instructor's PowerPoints, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, etc.
4. Falsifying or misrepresenting the student's own academic work.
5. Plagiarism: Using or appropriating another's work without any indication of the source, thereby attempting to convey the impression that such work is the student's own.
6. Multiple Submissions: Submitting the same academic work for credit more than once without the express written permission of the instructor.
7. Helping another violate academic behavior standards.
8. Soliciting assistance with academic coursework and/or degree requirements.

Responses to Academic Dishonesty, Plagiarism, or Cheating

Students should also familiarize themselves with the procedures for academic misconduct in UCF's student handbook, *The Golden Rule* <<https://goldenrule.sdes.ucf.edu/>> (<https://goldenrule.sdes.ucf.edu/>). UCF faculty members have a responsibility for students' education and the value of a UCF degree, and so seek to prevent unethical behavior and respond to academic

misconduct when necessary. Penalties for violating rules, policies, and instructions within this course can range from a zero on the exercise to an “F” letter grade in the course. In addition, an Academic Misconduct report could be filed with the Office of Student Conduct, which could lead to disciplinary warning, disciplinary probation, or deferred suspension or separation from the University through suspension, dismissal, or expulsion with the addition of a “Z” designation on one’s transcript.

Being found in violation of academic conduct standards could result in a student having to disclose such behavior on a graduate school application, being removed from a leadership position within a student organization, the recipient of scholarships, participation in University activities such as study abroad, internships, etc.

Let’s avoid all of this by demonstrating values of honesty, trust, and integrity. No grade is worth compromising your integrity and moving your moral compass. Stay true to doing the right thing: take the zero, not a shortcut.

Unauthorized Use of Websites and Internet Resources

There are many websites claiming to offer study aids to students, but in using such websites, students could find themselves in violation of academic conduct guidelines. These websites include (but are not limited to) Quizlet, Course Hero, Chegg Study, and Clutch Prep. UCF does not endorse the use of these products in an unethical manner, which could lead to a violation of our University’s Rules of Conduct. They encourage students to upload course materials, such as test questions, individual assignments, and examples of graded material. Such materials are the intellectual property of instructors, the university, or publishers and may not be distributed without prior authorization. Students who engage in such activity could be found in violation of academic conduct standards and could face course and/or University penalties. Please let me know if you are uncertain about the use of a website so I can determine its legitimacy.

Unauthorized Distribution of Class Notes

Third parties may attempt to connect with you to sell your notes and other course information from this class. Distributing course materials to a third party without my authorization is a violation of our University’s Rules of Conduct. Please be aware that such class materials that may have already been given to such third parties may contain errors, which could affect your performance or grade.

Recommendations for success in this course include coming to class on a routine basis, visiting me during my office hours, connecting with the Teaching Assistant (TA), and making use of the Student Academic Resource Center (SARC), the University Writing Center (UWC), the Math Lab, etc. If a third party should contact you regarding such an offer, I would appreciate your bringing this to my attention. We all play a part in creating a course climate of integrity.

In-Class Recording

Students may, without prior notice, record video or audio of a class lecture for a class in which the

student is enrolled for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach enrolled students about a particular subject. Recording class activities other than class lectures, including but not limited to lab sessions, student presentations (whether individually or part of a group), class discussion (except when incidental to and incorporated within a class lecture), clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, private conversations between students in the class or between a student and the faculty member, and invited guest speakers is prohibited. Recordings may not be used as a substitute for class participation and class attendance, and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct as described in the Golden Rule.

Course Accessibility Statement

The University of Central Florida is committed to providing access and inclusion for all persons with disabilities. Students with disabilities who need access to course content due to course design limitations should contact the professor as soon as possible. Students should also connect with Student Accessibility Services (SAS) <<http://sas.sdes.ucf.edu/> [_\(http://sas.sdes.ucf.edu/\)_](mailto:sas@ucf.edu)> (Ferrell Commons 185, sas@ucf.edu [_\(mailto:sas@ucf.edu\)_](mailto:sas@ucf.edu), phone 407-823-2371). For students connected with SAS, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential course access and accommodations that might be necessary and reasonable. Determining reasonable access and accommodations requires consideration of the course design, course learning objectives and the individual academic and course barriers experienced by the student. Further conversation with SAS, faculty and the student may be warranted to ensure an accessible course experience.

Campus Safety Statement

Emergencies on campus are rare, but if one should arise during class, everyone needs to work together. Students should be aware of their surroundings and familiar with some basic safety and security concepts.

- In case of an emergency, dial 911 for assistance.
- Every UCF classroom contains an emergency procedure guide posted on a wall near the door. Students should make a note of the guide's physical location and review the online version at <http://emergency.ucf.edu/emergency_guide.html [_\(http://emergency.ucf.edu/emergency_guide.html\)_](http://emergency.ucf.edu/emergency_guide.html)>.
- Students should know the evacuation routes from each of their classrooms and have a plan for finding safety in case of an emergency.
- If there is a medical emergency during class, students may need to access a first-aid kit or AED (Automated External Defibrillator). To learn where those are located, see <<https://ehs.ucf.edu>

[/automated-external-defibrillator-aed-locations](https://ehs.ucf.edu/automated-external-defibrillator-aed-locations) [_\(https://ehs.ucf.edu/automated-external-defibrillator-aed-locations\)](https://ehs.ucf.edu/automated-external-defibrillator-aed-locations)>.

- To stay informed about emergency situations, students can sign up to receive UCF text alerts by going to <<https://my.ucf.edu> [_\(https://my.ucf.edu\)](https://my.ucf.edu)> and logging in. Click on “Student Self Service” located on the left side of the screen in the toolbar, scroll down to the blue “Personal Information” heading on the Student Center screen, click on “UCF Alert”, fill out the information, including e-mail address, cell phone number, and cell phone provider, click “Apply” to save the changes, and then click “OK.”
- Students with special needs related to emergency situations should speak with their instructors outside of class.
- To learn about how to manage an active-shooter situation on campus or elsewhere, consider viewing this video (<
<https://youtu.be/NIKYajEx4pk> [_\(https://youtu.be/NIKYajEx4pk\)](https://youtu.be/NIKYajEx4pk)



<https://youtu.be/NIKYajEx4pk>

>).

Deployed Active Duty Military Students

If you are a deployed active duty military student and feel that you may need a special accommodation due to that unique status, please contact your instructor to discuss your circumstances.

Copyright

This course may contain copyright protected materials such as audio or video clips, images, text materials, etc. These items are being used with regard to the Fair Use doctrine in order to enhance the learning environment. Please do not copy, duplicate, download or distribute these items.

Third-Party Software and FERPA

During this course you might have the opportunity to use public online services and/or software applications sometimes called third-party software such as a blog or wiki. While some of these could be required assignments, you need not make any personally identifying information on a public site. Do not post or provide any private information about yourself or your classmates. Where appropriate you may use a pseudonym or nickname. Some written assignments posted publicly may require personal reflection/comments, but the assignments will not require you to disclose any personally identity-sensitive information. If you have any concerns about this, please contact your instructor.

MALL Testing Policies and Procedures:

Check here <https://sciences.ucf.edu/math/mall/policies-and-procedures/testing-2/>

(<https://sciences.ucf.edu/math/mall/policies-and-procedures/testing-2/>)

General MALL Policies

- Food/drinks are not allowed; water in bottled containers with cap are allowed.
- The recommended calculator to be used in the MALL is **TI-30XA**
(https://nam02.safelinks.protection.outlook.com/?url=http%3A%2F%2Feducation.ti.com%2Feducationportal%2Fsites%2FUS%2FproductDetail%2Fus_ti30xa.html&data=05%7C01%7Crachid%40ucf.edu%7C20eec2a36adf4e51cde608da837314e0%7Cbb932f15ef3842ba%3D%7C3000%7C%7C%7C&sdata=Csk7FudH6FO6hms97jPXOibxfXPapq%2B5n%2BAK8s8Vzkl%3D&reserved=0); no graphing calculators are allowed
- No skateboards or any other transportation devices are allowed in the MALL, please use the skateboard rack located at the main entrance of the building
- Students must use the MALL computers. No other laptops or personal devices are allowed.
- Students have to have their valid UCF ID card available when signing in and out of the MALL.
- While in the MALL, students are expected to be actively working on the appropriate coursework.
- Acceptable activities include working on homework, quizzes, practice tests, virtual assignments, test scheduling, and watching course related multimedia content.

Learning Objectives:

1. Functions and Their Graphs

- 1.1 Functions
- 1.2 The Graph of a Function
- 1.3 Properties of Functions
- 1.4 Library of Functions; Piecewise-defined Functions
- 1.5 Graphing Techniques: Transformations
- 1.6 Mathematical Models: Building Functions
- 1.7 Building Mathematical Models Using Variation

2. Linear and Quadratic Functions

- 2.1 Properties of Linear Functions and Linear Models
- 2.2 Building Linear Models from Data
- 2.3 Quadratic Functions and Their Zeros
- 2.4 Properties of Quadratic Functions

- 2.5 Inequalities Involving Quadratic Functions
- 2.6 Building Quadratic Models from Verbal Descriptions and from Data
- 2.7 Complex Zeros of a Quadratic Function
- 2.8 Equations and Inequalities Involving the Absolute Value Function

3. Polynomial and Rational Functions

- 3.1 Polynomial Functions and Models
- 3.2 The Real Zeros of a Polynomial Function
- 3.3 Complex Zeros; Fundamental Theorem of Algebra
- 3.4 Properties of Rational Functions
- 3.5 The Graph of a Rational Function
- 3.6 Polynomial and Rational Inequalities

4. Exponential and Logarithmic Functions

- 4.1 Composite Functions
- 4.2 One-to-One Functions; Inverse Functions
- 4.3 Exponential Functions
- 4.4 Logarithmic Functions
- 4.5 Properties of Logarithms
- 4.6 Logarithmic and Exponential Equations
- 4.7 Financial Models
- 4.8 Exponential Growth and Decay Models; Newton's Law; Logistic Growth and Decay Models
- 4.9 Building Exponential, Logarithmic, and Logistic Models from Data

9. Analytic Geometry

- 9.1 Conics
- 9.2 The Parabola
- 9.3 The Ellipse
- 9.4 The Hyperbola

10. Systems of Equations and Inequalities

- 10.1 Systems of Linear Equations: Substitution and Elimination
- 10.5 Partial Fraction Decomposition
- 10.6 Systems of Nonlinear Equations

11. Sequences; Induction; the Binomial Theorem


- 11.1 Sequences
- 11.5 The Binomial Theorem

13. A Preview of Calculus: The Limit, Derivative, and Integral of a Function

- 13.1 Finding Limits Using Tables and Graphs
- 13.2 Algebra Techniques for Finding Limits
- 13.3 One-sided Limits; Continuous Functions
- 13.4 The Tangent Problem; The Derivative
- 13.5 The Area Problem; The Integral

Disclaimer: *Instructor has the right to make some adjustments to syllabus and any adjustment will be announced in class and via email and/or Webcourses announcements.*

Fri Aug 26, 2022

 **Required Academic Activity**
(WebCourses)
<https://webcourses.ucf.edu/courses/1412316/assignments/7702001>

due by 4:59pm
