

MAC 2313 (Online)
FALL 2017

SYLLABUS

COURSE TITLE: Analytic Geometry and Calculus 3

CATALOG DESCRIPTION: Solid analytic geometry, vectors, partial derivatives, and multiple integrals.

MAC 2313 is a 4-credit Math course designed to serve majors in Mathematics, sciences, and Engineering. The course is delivered entirely online.

Course Content: Vectors and Geometry of Space, Vector Functions, Partial Derivatives, Multiple Integrals, and Vector Fields.

The students view lectures on-line. They complete homework using publishers' software WebAssign and take lecture quizzes on Canvas. Four mid-term exams and optional Final will be given on Canvas and administered through ProctorU on the dates listed in the Calendar. The course is managed through E-Learning (Canvas).

PREREQUISITES: MAC 2312, MAC 2512 or MAC 3473 with a minimum grade of a C

COORDINATOR: **Dr. Larissa Williamson**
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E-learning (Canvas): <https://lss.at.ufl.edu/>

The course is divided into **4 units:**

<u>Unit 1</u>	L01 – L08	Vector Calculus
<u>Unit 2</u>	L09 – L15	Multivariable Functions
<u>Unit 3</u>	L16 – L22	Multiple Integrals
<u>Unit 4</u>	L23 – L30	Vector & Scalar Fields

FINAL EXAM: L01 – L30

OPTIONAL FINAL EXAM is given on Saturday, December 9

Course Calendar

Fall 2017	Monday	Tue	Wed	Thursday	Friday
August	21 L1	22	23 L2	24	25 L3 Syllabus Quiz due
September	28 L1-L2 HW due Quiz1:L1-L2	29	30 L4	31	1 L5
	4 Labor Day	5	6 L3-L5 HW due Quiz2:L3-L5	7	8 L6
	11 L7	12	13 L8	14	15 L6-L8 HW due Quiz3:L6-L8
	18 L9 Exam1:L1-L8	19	20 L10	21	22 L11
	25 L9-L11 HW due Quiz4:L9-L11	26	27 L12	28	29 L13
October	2 L12-L13 HW due Quiz5:L12-L13	3	4 L14	5	6 L15
	9 L14-L15 HW due Quiz6:L14-L15	10	11 L16 Exam2:L9-L16	12 L17	13 Homecoming
	16 L18	17	18 L19	19	20 L16-L19 HW due Quiz7:L16-L19
	23 L20	24	25 L21	26	27 L20-L21 HW due Quiz8:L20-L21
November	30 L22	31	1 L23	2	3 L22-L23 HW due Quiz9:L22-L23
	6 L24 Exam3: L16-L22	7	8 L25	9	10 Veterans Day
	13 L24-L25 HW due Quiz10:L24-L25	14	15 L26	16	17 L27
	20 L26-L27 HW due Quiz11:L26-L27	21	22 Thanks	23 giving	24 Holiday
December	27 L28	28	29 L29	30	1 L30
	4 L28-L30 HW due	5	6 Exam4:L23-L30	7 No Class	8 No Class

TEXTBOOK & ACCESS CODE:

1) We use the following textbook in this course:

*Calculus: Early Transcendentals, 8th edition, James Stewart, (note: an e-version of the book is included in the purchase of online homework)**

During the course of the semester we will cover material from chapters 12, 13, 14, 15, and 16.

2) Access code to WebAssign is required in the course.

Please note, access codes obtained through authorizing charges to your student financials account are provided at a discounted price.

You must authorize charges on or before 9/8/2017. If you do not wish to authorize charges to your student financials account or if it is after 9/8/2017, you may purchase an access code at the UF Bookstore instead or directly from the publisher if available.**

* Registration with WebAssign gives you an access to an electronic version of the textbook. If you wish to purchase a print text, you may also purchase those at the bookstore at a discounted price.

****Please see START HERE Module on Canvas for complete information on purchasing an access code to WebAssign by authorizing charges to your student financial account through UF All Access program.**

LECTURE NOTES: Lecture note shells make the note taking easier and are required in the course. They can be printed out from Canvas at <https://lss.at.ufl.edu/> (located in every Lecture) or purchased at Target Copy (1412 W University Ave, Gainesville, FL 32603). Please note: The lecture notes at Target Copy for our course have marked as “MAC 2113, On-line Only”.

LECTURES & DUE DATES: It is advisable to complete each Lecture on the date indicated in the Calendar, which is located in this Syllabus, so that you will stay on track and avoid having too many Lectures to complete by the Due Date. Assignments, which are required to be completed for each Lecture, include On-line Homework. For each Lecture, the WebAssign homework becomes available at least 2 weeks prior to the due date and will be closed on the Due Date at 11:59 pm ET.

LECTURE QUIZZES: There will be eleven quizzes given throughout the semester. The quizzes must be taken on the date indicated in the Course Calendar. The student will have 30 minutes to take each online quiz (the quizzes will be on Canvas) and is free to use the notes. Quizzes are not group projects and students are expected to work individually on these assignments. The dates for the quizzes are given in the course calendar and on Canvas. Students will have a 24 hour period to begin a quiz. However, once a quiz has begun, the timer will run. A student has 30 minutes to complete the quiz; once expired, you will not be able to continue the quiz. There are no time extensions for issues due to inadequate internet connectivity. There are no make-up quizzes; instead, **one lowest quiz grade will be dropped**. The maximum score earned on the quizzes is 50 points.

UNIT EXAMS & FINAL: During the semester, there will be four Unit exams and an optional Final. An exam has to be taken any time on the date indicated in the calendar. All exams will be administered through ProctorU. Information about ProctorU can be found in Start Here module on Canvas. The student will have 100 minutes to complete each exam and is only permitted access to pencils, an eraser, and scratch paper while the exam is in progress. The student should not bring notes, texts, calculators, or personal electronic devices to the test. All exam questions are multiple choices and each exam will contain 20 mandatory questions at 2 points each. It may be necessary to miss an Exam during the term or you might not be satisfied with one of your grades earned on the Unit Exams. For these reasons, an OPTIONAL FINAL exam will be given on December 9. The best 4 out of 5 exam scores will count. The total score earned on the exams is 160 points.

MAKEUP POLICY ON EXAMS: If you are missing a Unit Exam due to legitimate documented circumstances, you have an option either to take the Final Exam as a MakeUp or, if you wish to make it up before the last days of classes and save the Final for another test, you can schedule a makeup earlier: please contact Dr. Williamson (lwill@ufl.edu) and provide the documentation at least a week prior to the test or immediately afterwards if you were sick. Late excuse documentation will not be accepted. No makeups will be given at the end of the term. Missing the Final exam without appropriate documentation and taking a makeup will result in deduction of points at the instructor's discretion.

TEXTBOOK HOMEWORK: Textbook homework problems are assigned after each lecture. **They will not be graded** but should be considered as an additional tool for mastering the material and preparing for the Exams. A list of recommended Practice Textbook Homework problems is located in each corresponding Module on Canvas.

TEXTBOOK READINGS: Reading the textbook is a part of learning process. The students are strongly recommended to read the corresponding sections of the textbook before or after each lecture. Reference to the pages of the textbook that match the content of a lecture is located in each corresponding Module on Canvas.

ON-LINE HOMEWORK: Homework will be assigned through WebAssign. The procedure for registering for WebAssign has changed. This information can be found under the Start Here module. During the course of the semester, online homework will be assigned for each lecture and must be completed before the deadline indicated in the Calendar. There will be total of 29 assignments offered and the **2 lowest scores will be dropped**. A maximum of 108 points can be earned on HW.

MAKEUP POLICY ON ON-LINE HOMEWORK: If you missed the due date on homework on a legitimate and documented reason, you have to present a valid documentation to Dr. Williamson prior to the due date or right afterwards if you were sick. Late documentation will not be accepted. No extensions on HW will be given after the due date without an appropriate documentation.

IMPORTANT NOTE: Homework, exams, and quizzes will not be reviewed, offered, and/or accepted for grading at the end of the term. We will not accept any late excuse documentation. You have to present to your Instructor an appropriate documentation **before you miss an Exam or right after you come back to school if you were sick** to be eligible for a makeup. You can discuss a Unit Exam, quiz, or homework within one week and the Final exam – within 2 days with your instructor if there is a grading error or any other problem.

CALCULATOR POLICY: Calculators may be useful for some homework problems but are not required in the course and not allowed on the exams.

ADDITIONAL TOPICS: Since this is an online course, it is essential that a student keep pace with the objectives and the due dates in the course calendar in order to perform well in the class. Academic dishonesty in any form will not be tolerated and will be treated in accordance with the policies of the University of Florida.

SPECIAL ACCOMODATIONS: Students with learning disabilities should request accommodations according to the UF policy. Please check on the current status with DRC.

COURSE GRADE: The course grade is based on 390 points accumulated as follows:

27	On-line homework	@	108 points	27 %
10	Quiz	@	50 points	13 %
4	Exams	@	<u>240 points</u>	<u>60 %</u>
Total:			398 points	100 %

The course grade is the grade satisfying the conditions below and **will be strictly adhered** to:

	Minimum %		Minimum %
A	90 %	C-	67 %
A-	87 %	D+	63 %
B+	83 %	D	60 %
B	80 %	D-	57 %
B-	77 %	E	0 %
C+	73 %		
C	70 %		

GRADE POSTING: All grades will be posted in a timing manner on E-Learning (Canvas) at <http://lss.at.ufl.edu> . You are advised to check regularly whether your grades are handled and recorded properly. You should immediately report any problem with your grade to your Instructor.