

MAC 2313 (Online)
SPRING 2018

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, April 28

MAC 2313 – Online

Spring 2018	Monday	Tue	Wednesday	Thursday	Friday
January	8 L1	9	10 L2	11	12 L3
	15 Holiday	16	17 L1-L2 HW due Quiz1:L1-L2	18	19 L4
	22 L5	23	24 L3-L5 HW due Quiz2:L3-L5	25	26 L6
February	29 L7	30	31 L8	1	2 L6-L8 HW due Quiz3:L6-L8
	5 L9 Exam1:L1-L8	6	7 L10	8	9 L11
	12 L9-L11 HW due Quiz4:L9-L11	13	14 L12	15	16 L13
	19 L12-13 HW due Quiz5:L12-L13	20	21 L14	22	23 L15
March	26 L14-L15 HW due Quiz6:L14-L15	27	28 L16 Exam2:L9-L15	1	2 L17
S P R I N G B R E A K: March 3 – March 10					
	12 L18	13	14 L19	15	16 L16-L19 HW due Quiz7:L16-L19
	19 L20	20	21 L21	22	23 L20-L21 HW due Quiz8:L20-L21
	26 L22	27	28 L23	29	30 L22-L23 HW due Quiz9:L22-L23
April	2 L24 Exam3:L16-L22	3	4 L25	5	6 L24-L25 HW due Quiz10:L24-L25
	9 L26	10	11 L27	12	13 L26-L27 HW due Quiz11:L26-L27
	16 L28	17	18 L29	19	20 L30
	23 L28-L30 HW due Quiz12: L28-L30	24	25 Exam4:L23-30	26 No Class	27 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 01/26/2018. If you do not wish to authorize charges to your student financials account or if it is after 01/26/2018, 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 12 quizzes given throughout the semester. The quizzes must be taken on the dates 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, **two lowest quiz grades will be dropped.**

REVIEW FOR EXAMS: There is a Review Modulus created for each Unit Exam. You can locate them through the link Modulus on Canvas. The unit exams taking during the semester can be used as a study guide for the Final.

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. Each exam will contain 20 mandatory multiple-choice questions at 2 points each. The total score will count out of 40 points. 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 April 28. The best 4 out of 5 exam scores will count.

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 but NOT at the end of the semester: 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. Important: an early makeup has to be scheduled within one week time frame of presenting the documentation; if a makeup has not been scheduled in a timing manner, the student will take the Final instead as a makeup. Late excuse documentation will not be accepted. No makeups, except for the Final, will be given after the end of the term. Missing the Final exam without appropriate documentation and making it up at a later date 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 information about registration with WebAssign 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**.

MAKEUP POLICY ON ON-LINE HOMEWORK: If you missed the due date on homework on a legitimate and documented reason, you have to contact the instructor and 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 without an appropriate documentation.**

IMPORTANT NOTE: Homework, exams, and quizzes will not be reviewed, offered, and/or re-graded 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 a due date for an Assignment 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 the weighted categories:

27	On-line homework	27 %
10	Lectures Quizzes	13 %
4	Exams	<u>60 %</u>
	Total:	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.