INSTRUCTOR: Anna Durakiewicz
OFFICE: Room 623 G
CONTACT: Office: 505-662-0348
e-mail: adurakie@unm.edu (preferred)
web: http://www.unm.edu/~adurakie/

MATH 181 s. 300
Elements of Calculus II HYBRID
MEETING TIMES: Tuesday 9:30-11:00

LIVE OFFICE HOURS: Monday 12:45-13:45 PM, Tuesday 8:30-9:30 AM
At other times, please stop by or call for appointment.

Expect to do 2-3 hours of homework for every hour of class meeting time (on average 6-9 hours per week) and watching and making notes from recorded (on average 3 hours per week).

Table of Contents

THE UNIVERSITY OF NEW MEXICO - LOS ALAMOS
COURSE SYLLABUS

Catalog Description

Includes the definite integral, multivariate calculus, simple differential equations, basic review of trigonometry and its relation to calculus. Prerequisites: Grade C or better in Math 180.

OFFICE HOURS

UNM–Los Alamos: Monday 12:45-13:45 PM, Tuesday 8:30 – 9:30 AM

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INSTRUCTOR

Your instructor is Anna Durakiewicz. To contact me about this course, you may email me at adurakie@unm.edu (this is the preferred method), phone me at 505-662-0344, or at home at 505 672 9516. I will try to respond to any email message within 24 hours (usually quicker) except on weekends. If you have an issue that needs a quick response time, please give me a call.

I will be sending messages from time to time using the announcement and email within MyMathLab. This will be sent to the same email you use to register in MyMathLab**. Be sure to register using the email address you use/check frequently when registering for our course in MyMathLab.**

TEXT BOOK

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Textbook Author(s)Bittinger, Marvin L.

- Edition/Copyright10TH 12
- PublisherAddison-Wesley Longman, Inc.
- TypeHardback
- ISBN-100-321-76000-X
- ISBN-13978-0-321-76000-5

Course ID: durakiewicz20092

To register see the last page of this syllabus or go to MyMathLab at: http://www.coursecompass.com
Go to "How to Register" under STUDENTS title, or go to
http://www.coursecompass.com/html/student_how_to_register.html

ASSESSMENT

UNM-Los Alamos conducts ongoing assessments of student learning so that we can continue to improve the curriculum to give students the best education possible. The data collected for this assessment will be selected by the instructor and may come from exams, projects or other assignments. The assessment will focus on the learning outcomes listed in this syllabus. The data from this assessment will be collected and reported anonymously. Data summaries will be reported to the department, to the Office of Instruction, and posted on the web. The information collected will be used to make improvements to curriculum and teaching. This assessment is not a reflection of your grade and is not a grading exercise; it is simply an evaluation of how well students are mastering certain skills.

Learning Outcomes:

1. Communication: Students will use proper mathematical notation and terminology to communicate mathematical phrases and concepts that appear in calculus. (Addresses UNM/ HED Area II: Mathematics - Calculus Competencies 1 & 2)

2. The (Partial) Derivative: Students will demonstrate an extended knowledge of the uses for the derivative as the slope of the function, moving into multi-variable functions and partial derivatives. They will transfer their knowledge from two dimensional graphs to three dimensional surfaces. (Addresses UNM /HED Area II: Mathematics - Calculus Competencies 1, 2 & 3)

3. Differential Equations**:** Students will demonstrate how differential equations reveal features about functions. They will solve first-order differential equations using techniques such as separation of variables and integrating factors. The will use the method of qualitative analysis to graph possible solutions to these equations and apply their knowledge to real world applications. (Addresses UNM /HED Area II: Mathematics - Calculus Competencies 2 & 4)

4. Integrals: Students will expand their techniques for integration, demonstrating the ability to integrate using substitution and by parts. Students will solve improper integrals and double integrals. (Addresses UNM /HED Area II: Mathematics - Calculus Competencies 1 & 4)

5. Probability and Calculus**:** Students will apply probability theory and the concept of the integral to continuous random variable functions. They will demonstrate how to predict probabilities knowing the probability density function. (Addresses UNM /HED Area II: Mathematics - Calculus Competencies 1, 2 & 4)

All these need to be done with at least 75% accuracy

Technical and Academic Support

If students are having technical problems with MyMathLAb, they can contact free technical support in one of the following ways:

- Product Support at http://www.mymathlab.com/contactus.htm **for live CHAT**.
- **phone support; 1-800-677-6337**

Students may contact the UNM-LA Academic Support Center for help or tutoring in their coursework. See the ASC website at http://asc.unm.edu . Any questions related to course organization or requirements should be directed to the instructor.

Technical support is available at these sources:

- Phone: (505) 277-5757 (M-F 8:00 am – 5:00 pm) – IT and WebCT support on main campus.
- UNM Fast Info: http://fastinfo.unm.edu (UNM searchable knowledge base)
- UNM-LA IT support: go to http://www.la.unm.edu/administration/ITS/computer_services.html or email unmla-itsupport@unm.edu

Please use [How to get help?] button in MyMathLab for more details.

ATTENDANCE

You are expected to attend all classes. If there are unusual extenuating circumstances, please discuss them with the instructor before the fourth absence to avoid instructor withdrawal. For each missed class the student will need to complete the quiz that contains questions from the missing material. The student needs to contact instructor to get the copy of the quiz. The notes from recorded lectures would count as the attendance for one class meeting.

Drop Policy

If students decide to drop the class, it is their responsibility to do so; they should be aware of University-wide posted deadlines for tuition refunds and mandatory assignment of grades. Students should not assume that the instructor will drop them before a deadline if they simply stop attending a live class or logging in to an online class.

Dropping a course may affect students' financial aid status and/or tuition refund. A drop will result in a W. Students who do not officially drop the class will receive the grade earned based on the syllabus grading criteria, which may be an F.

ONLINE LECTURES

It is a hybrid class which requires additional time of your work outside of the classroom. As part of the hybrid class activities you are required to watch video recording of the lectures before each class meeting. The lectures are available in MML under [Lectures recording] button. You need to click on the chapter and chapter sections scheduled for the next class meeting, watch YouTube recording making notes. The notes would be collected by the instructor as you **entry tickets** to the class and evaluated. It is important that you write down your questions. These questions would be addressed at the beginning of the class meeting.

HOMEWORK

Your homework is your most important effort in this class; homework is how you actually learn the material that will be on the quizzes and exams. Expect to do 2-3 hours of homework for every hour of class meeting time

(on average 10-15 hours per week). Keep all of your homework notes together in a folder so that if you are having trouble in the course, you can bring it with you when you go to see your instructor or get tutoring. Homework assignments will be completed within MyMathLab. This homework is 20% of your grade. Homework problems can be re-worked if you are not happy with your score. The homework has due dates for each assignment, but you may continue to work on the homework past the official due date with 10% penalty. Although the homework assignments will never be closed to you, allowing you to complete these assignments at any time, if you do not stay up to date, you will likely be unable to complete the course in a satisfactory manner. All the homework assignments are closed at the last day of instruction.
You can expect quizzes over homework, in-class exercises, and group work as well. Be sure to show all of your work in your homework journal. The process is just as important as the answer. For any work done on paper, including all in-class work, ANSWERS ONLY WILL RECEIVE NO CREDIT!!!

QUIZZES

Quizzes may be given in class from time-to-time. Sometimes these will be closed book quizzes, and sometimes they will take the form of a graded group exercise or worksheet. We will try to have one per week. If helpful will be allowed to use your journal as reference, so please remember to write assignment numbers, problem numbers and show your work in your journals for use during these quizzes and group exercises. If notes would be not present the entry quiz will be given. This quiz would verify your knowledge regarding recorded lecture.

CHAPTER TESTS

Tests should be taken on time with the class. If you have an unavoidable conflict, you must make arrangements with me before you miss a planned test. If you do not let me know ahead of time that you will miss a test, you may not be allowed to make it up. Being unprepared is not a reason to miss a test. You may retake any of the tests you wish for a maximum score of 75%. However, in order to retake a test, you must request access to a new test from your instructor. This will be entirely up to you; I will probably not remind you of this option again. All retakes must be completed before the final exam.

MAKE-UP POLICY

The homework has due dates for each assignment, but you may continue to work on the homework past the official due date with 10% penalty.
If you took the test in time and scored less than 75% you may retake the test, before the next test is given. The maximum score for the retake test would be 75%.

FINAL EXAM

There will be a comprehensive final exam given during the last week of the semester in December**.** It will contribute 25% to your final grade. **In order to pass this course you need to score at least 60 % from your final exam.**

GRADES

Your final grade will be calculated by using the following formula:

Homework	25%
Quizzes, Discussions	5%
Tests	45%
Final Exam	25%

The following letter grades will be assigned to you at the end of the semester according to your average:

A+	99–100	C+	77–79

A	94–98	C	74–76
A–	90–93	C–	70–73
B+	87–89	D+	67–69
B	84–86	D	64–66
B–	80–83	D–	60–63
		F	Below 60

CHEATING

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic dishonesty includes, but is not limited to, dishonesty on quizzes, tests or assignments; claiming credit for work not done or done by others; and hindering the academic work of other students.

Cheating will not be tolerated. Do not do homework, quizzes or tests for another student, and do not ask anyone else to do your work for you. You may certainly work together or get help on homework, but you should complete your own work. Each instance of cheating will be dealt with on an individual basis with consequences that are appropriate.

COMPUTER ACCOUNT POLICY

- **You are required to have a Main campus computer account (NetID).** You will also use this account to register for classes through MyUNM, http://my.unm.edu, to read and send e-mail (your UNM e-mail address looks like *NetID@unm.edu*), print transcripts, check financial status, and check degree progress.
    - Students are required to check their UNM email as this is the main communication method used by the university. Students may visit http://it.unm.edu/howtos/504.html for simple instruction on how to forward their campus e-mail to a different email address
    - Your UNM NetID will be used to access computers on the UNM–Los Alamos campus

- UNM–LA **Wireless network**—For more information about access to the UNM–LA wireless network please see the instructions at http://www.la.unm.edu/Wireless/

COURSE EMAIL POLICY

I will generally be using the email address you enter into MyMathLab. Often, I will email corrections to your quizzes and tests. If you would like for me to return your papers to you in a more secure fashion, please let me know. Be sure to use an email address that you will be checking often, and to which no one else has access. **You are expected to respond to any email I send to you requesting information or feedback. Please do not ignore a message from me. This is the main way we have to communicate**. Students should allow the instructor 24 hours on weekdays and 48 hours on weekends to respond to email messages or phone calls. Students who receive emails from instructors should attempt to reply within 24 hours.

AMERICAN DISABILITIES ACT

"In accordance with University Policy 2310 and the American Disabilities Act (ADA), reasonable academic accommodations may be made for any qualified student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as the instructor is not legally permitted to inquire. The student is responsible for demonstrating the need for an academic adjustment by providing Student Services with complete and appropriate current documentation that establishes the disability, and the need for and appropriateness of the requested adjustment(s). However,

students with disabilities are still required to adhere to all University policies, including policies concerning conduct and performance. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Services at 505-661-4692 for additional information.".

NEEDED SUPPLIES

You will need the following to successfully complete this course:

- Computer and printer
- MyMathLab access
- Book (optional if you choose to use the e-book)
- Pencil & eraser for homework
- Spiral notebook to use as a homework notebook
- Spiral notebook to use for note taking
- Scientific Calculator

COURSE EVALUATION

Students will be requested to participate in a course evaluation near the end of the course. UNM-LA requests that all students participate, because the information they provide is helpful in improving courses for future students.

PARTING COMMENTS

My wish is for every one of you to be successful in this course. To work toward that end, I will do everything within my power to help you. Don't hesitate to ask for help. I am willing to help you at any time that I am available. I ask for your commitment to do everything you can to complete the course successfully. Remember you will receive the grade that you earn! GOOD LUCK!

Congratulations for making it all the way to the end of this syllabus. If you have any questions or issues send Anna Durakiewicz an email at adurakie@unm.edu
The next pages contain the schedule of topics and due dates.

Math 181
Tentative Schedule of Topics*

Week	Sections covered and important dates	Topics that you need to watch by Tuesday's meeting
Jan 20	Martin Luther King, Jr. Day, holiday **Review Chapter 3 sections 1 to 5**	**Review**
Jan 27	***Last day to add a course or change sections: Friday, January 31*** ***Last day to change grading option via LoboWeb: Friday, January 31***	**Section 4.1 -4.4 notes due**
Feb 3	***Last day to drop without a grade with refund: Friday, February 7***	**Section 4.5 -4.7 notes due**
Feb 10		**Chapter 4 Revision Problems**
Feb 17	**Test on Chapter 4**	**Test 1**
Feb 24		**Section 5.1-5.3**
Mar 3		**5.4-5.5**
Mar 10		**5.6-5.7**
Mar 17	**SPRING BREAK!**	
Mar 24		**Chapter 5 Revision Problems**
Mar 31	**Test on Chapter 5**	**Test 2**
Apr 7		**6.1-6.3**
Apr 14	***Last day to withdraw without the Student services approval: Friday, April 18***	**6.4-6.6**
Apr 21		**Chapter 6 Revision Problems**
Apr 28	**Test on Chapter 6**	**Test 3**
May 5	**Review** ***Last day to withdraw with the Dean's permission: Friday, May 9***	**Review for the Final Exam**
May 12	**FINAL EXAM** (Date, Time and Location TBA)	**Final Exam**

Final Exam will be given May12.

**This schedule is subject to change. The most recent version of the syllabus is in MML*

Welcome Students!

MyMathLab is an interactive website where you can:

- Self-test & work through practice exercises with step-by-step help to improve your math skills.
- Study more efficiently with a personalized study plan and exercises that match your book.
- Get help when YOU need it. MyMathLab includes multimedia learning aids, videos, animations, and live tutorial help.

Before You Begin:
To register for MyMathLab you will need:

- ☑ **A MyMathLab student access code** (packaged with your new text, standalone at your bookstore, available at UNMLA Bookstore, or available for purchase with a major credit card at http://pearsonmylabandmastering.com/)
- ☑ **Your instructors' Course ID number:** durakiewicz20092 **(no space between my name & the number)**
- ☑ **Your school's zip code: 87544**
- ☑ **A valid email address**

Student Registration:

- Go to http://http://pearsonmylabandmastering.com/ and click the **Register** button under Students.
- Review the **Before You Start** information to ensure you have everything you need to register; click Next.
- On the Course ID page:
  - Enter the Course ID and click on Find Course
  - Choose your enrollment method
    - If your student access code came packaged with your textbook, select Access Code. *(Select "Buy Now" to purchase online access using your credit card)*
    - Enter your student access code as displayed; use the tab key to move from box to box and use all **CAPITAL LETTERS** when entering the access code. Click Next.
- Please read all information in the License Agreement and Privacy Policy. Click on Accept if you agree to the terms.
- On the Access Information screen:
  - **If you have registered for other Pearson online products** and already have a login name and password, **select Yes**. Boxes will appear for you to enter your login information.
  - **If this is the first time you have registered for a Pearson online product, select No.** Boxes will appear for you to enter your desired login name and password. You may want to use your email address as your login name. If you do not use your email address, be prepared with a second login name choice if the one you first selected is already in use. Your login name must be at least 4 characters and cannot be the same as your password.
  - **If you aren't sure whether you have a Pearson account or not, select Not Sure**. Enter your email address and click Search. If you have an account, your login information will be sent to your email address within a few moments. Change your selection to Yes, and enter your login name and password as directed.
- On the Account Information page, enter your first and last name and email address. Re-type your email address to make sure it is correct.
- In the School Location section, select United States from the School Country drop-down menu. Enter your **school zip code**, and then select your school from the drop-down list.
- Select a security question and answer to ensure the privacy of your account. Click Next.
- When your registration process is complete you will see a confirmation screen. Click Log In Now to reach CourseCompass, and click Log In. Enter your login name and password and click Log In.

Logging In:

- Go to http://pearsonmylabandmastering.com/ and click on Log In. Enter your login name and password and click Log in.
- On the MyCourseCompass page, click on the course name to enter your instructor's course.
- The first time you enter your course from your own computer and anytime you use a new computer click the **Installation Wizard** on the announcements page or navigational button at the bottom left of the screen. The wizard (or Browser Check) will detect and then help you install the plug-ins and players you need to access the math exercises and multimedia content in your MyMathLab course. Follow the screen instructions to complete this process. NOTE: Check with your instructor to ensure all plug-ins are installed in the college computer labs.
- After completing the installation process and closing the wizard you will be on your course home page and ready to begin exploring your MyMathLab course.

Need help? Contact Product Support at http://pearsonmylabandmastering.com/students/support **for live CHAT, email or phone support; 1-800-677-6337**