

POLYNOMIAL CALCULUS

MATH 1080-001

Spring 2006

Course Sessions: MW 10-11:15 a.m.

Room Number: NC 1603

Instructor: Debbie Batista	Math Department Office
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Office Hours: MW 8:30-9:30 a.m., MW 11:30 a.m.-12 noon, and by appointment	Dept. Associate Chair: Lynn Bennethum CU-Bldg., Rm. 638, Phone: (303) 556-4810
Email: dbatista@math.cudenver.edu Note email is usually the best way to reach me. Webpage: http://math.cudenver.edu/~dbatista/	Course Captain: Lance Lana CU-Bldg., Rm. 634, Phone: (303) 556-2618

Prerequisite: Math 1070 or Math 1110

Required Materials: Textbook: Barnett, Ziegler, and Byleen. *College Mathematics for Business, Economics, Life Sciences, and Social Sciences* (10th edition), Pearson Prentice Hall, 2005. Graphing Calculator: TI-83 or TI-83 Plus are strongly recommended.

Course Description: This course is a one-semester course in single-variable calculus. Topics include limits, derivatives, differentiation rules, integration and integrations rules. Emphasis is on applications to business and social sciences. Note: No knowledge of trigonometry is required. Those planning to take more than one semester of calculus should take MATH 1401 instead of MATH 1080.

Homework: Homework will usually be assigned on Wednesdays and collected the following Wednesday. Assignments are due at the **beginning of class** and **no late homework is accepted**. For this reason, the two lowest homework grades will be dropped at the end of the semester. Each homework assignment is worth 20 points. A mixture of even and odd-numbered problems will be assigned. For the odd problems, each student will give him/herself a score out of 5 on these problems by checking answers in the back of the book. I will grade a selected number (4-5 problems) of the even problems for the remaining 15 points and will grade the problems based on solution method and accuracy. **Show all your work when you write up your solutions!** You should expect to spend a considerable amount of time each week on your homework and application problems. However you should spend your time wisely. If you find yourself working on one problem for more than 10 minutes without progressing, then move on to another problem. If you are getting stuck on all the problems, then it is time to talk with a classmate (working together is encouraged!) or come see me. Even though you may (should) work together, it is important that you turn in your own work - i.e. I do not want duplicate solutions, I want to see how you, as an individual, are thinking through the problems. Do NOT wait until the last minute to begin an assignment!

Homework Format: Do the odd problems on separate sheets from the even problems. Staple all sheets together, with the even problem pages on top. Put your name at the top of the even problems pages. Be sure to write your score (e.g. "4/5") for the odd problems on top of the first page of the odd problems. Points will be deducted for homework not in this format.

Application problems. There will be 4 application problems assigned throughout the semester worth 20 points each. The application problems will be graded based on effort, completion, solution method, and accuracy.

Exams: There will be 3 in-class exams. Each exam is worth 100 points toward your final grade. The in-class exams are tentatively scheduled for 2/15, 3/15, and 4/26. *Photo ID is required for all exams.* I do not plan to give any make-up exams. If some emergency arises that prevents you from attending an exam, please contact me **beforehand**, as I will tend to be more lenient. However, if I am approached after the exam, I will expect some "hard" evidence (i.e. doctor's excuse, death certificate, hospital paperwork, etc.).

Final Exams: The uniform final exam will be on Saturday May 6, 2006 from 9 a.m. -12 noon. The final exam is worth 200 points of your final grade. **Attendance at the final exam is mandatory.** Having the final rescheduled is extremely rare and is not permitted for reasons such as a plane ticket that was purchased earlier or attendance at weddings. If there are reasons beyond your control that prohibit you taking the exam at the assigned time, you must get permission from both the Course Captain and Associate Chair of the Department of Mathematics.

Point Distribution:	Homework	180	(11 minus 2 lowest grades, 20 points each)
	Application Problems	80	(4 problems, 20 points each)
	Exams	300	(3 exams, 100 points each)
	<u>Final Exam</u>	<u>200</u>	
	Total:	760	

Grading Scale:

A	92.0 - 100 %	A-	90.0 - 91.9 %		
B+	88.0 - 89.9 %	B	82.0 - 87.9 %	B-	80.0 - 81.9 %
C+	78.0 - 79.9 %	C	70.0 - 77.9 %		
D	60.0 - 69.9 %				
F	below 60 %				

Cheating: Cheating is not acceptable behavior on this campus. Cheating of any kind will result in a course grade of F and possible expulsion from the university. It isn't worth it, so don't do it. Examples of cheating include (but are not limited to): using unauthorized references (e.g. another individual, notes, texts...) during an exam, turning in duplicate homework assignments, and plagiarism.

Attendance: Regular attendance and participation are important to your success in any college course, especially a mathematics course. Hence, attendance is expected and required. More than three absences may affect your course grade. *If you must miss a class, notify me by phone or send an email message (in advance when possible).* You are fully responsible for information provided in class.

Incomplete Grades: The incomplete policy of the department and college is strictly enforced. In-completes are given only in situation in which a student has: **(1)** successfully completed 75 percent of the course (i.e. is passing the course) **(2)** special circumstances (verification may be required) that preclude the student from attending class and completing graded assignments, and **(3)** made arrangements to complete missing assignments with the original instructor. A CLAS Course Completion agreement is required.

General Suggestions: There are Teaching Assistants available to answer your questions in the MERC lab in Science 130-132. Try to form a study group to study and learn the material; it really works for some people. Realize that there are many ways of learning and a study group may be helpful for you. Listening to a lecture and asking questions may work for someone else. And do not forget about me - I am here to answer your questions! Please, don't be afraid to ask questions. Don't think "I am the only one who doesn't understand." Feel free to ask questions before, during, or after class. You are always welcome to drop in and see me during office hours (see above), or you can send me an email. If your email includes math symbols just type them as you would if you were using your calculator. I also recommend that you utilize the following resources.

Resources:

The Center for Learning Assistance is where students go to get help or insight with class assignments, course loads, and study skills. The Center also helps with arranging tutoring sessions, which take place in the days or evenings. Located in North Classroom Building (NC) Room 2006. Phone: (303) 556-2802. Open Monday-Thursday, 8 a.m. - 7 p.m.; Friday 8 a.m.- 5 p.m.

The Academic Advising Center serves as the first point of contact for students who are pre-business, pre-engineering, or who have not declared a major in CLAS or CAM. In addition, the center provides general information and resource referral to all students. Located in North Classroom Building (NC) Room 1. Phone: (303) 352-3520.

The Office of Disability Resources and Services serves the needs of a large and diverse community of students with disabilities who attend the University of Colorado at Denver. The DRS staff have a strong commitment to providing equal access and overseeing a full range of accommodations for students with disabilities. Disabilities Services offices are located in Arts Building Room 177. Phone: (303) 556-3450. TTY 303-556-8484.

The Career Center offers a full array of services that prepare students for career success, such as resume help, internship and career counseling and they have a large career library. The Career Center is located in Tivoli Student Union Room 260.

		Tentative Schedule	
Week	Dates	Sections	Important Semester Dates
1	1/18	Syllabus, 9-1	1/19 Last day to be added to the wait-list.
2	1/23 1/25	9-2 9-3	1/26 Last day to add a class via the web S.M.A.R.T. system. After this date, students need both the instructor's and dean's approval to add a course. 1/17-1/27 Students are responsible for verifying an accurate Spring 2006 registration via S.M.A.R.T..
3	1/30 2/1	9-4, 9.5 9-5, 9.6	2/1 (5:00 P.M.)- Last day to drop with a tuition adjustment. Drops after this date will appear on your transcript. Last day to add full term courses with instructor's and dean's approval.
4	2/6 2/8	9.7 10-1	
5	2/13 2/15	Review Exam 1	2/15 Exam 1
6	2/20 2/22	10-2 10-3	
7	2/27 3/1	10-4 10-5	
8	3/6 3/8	11-1 11-2	
9	3/13 3/15	Review Exam 2	3/15 Exam 2
10	3/20-3/25	No Classes	HAPPY SPRING BREAK!
11	3/27 3/29	11-3 11-4	
12	4/3 4/5	11-5 12-1	4/3 (5:00 pm) Last day to drop or withdraw with instructor's signature. Drops after this date require petition and approval from the dean.
13	4/10 4/12	12-2 12-3	4/14 (5:00 pm) Absolute last day for CLAS students to drop a spring 2006 course.
14	4/17 4/19	12-4 12-5	
15	4/24 4/26	Review Exam 3	4/26 Exam 3
16	5/1 5/3	13-1 Review Final	Final Exam: Saturday May 6, 2006 9 a.m. -12 noon