

Prof. James Chisholm

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Office: SC 018

Office Hours: MT 1-3, F 1-2, or by appt.

When/Where:

We meet in SC 016 (basement of the Science building) on MTWF 3-3:50pm. With one exception (Sep. 17th), there will be no lecture on Thursday throughout the semester.

Email:

There may be times throughout the semester when I will need to communicate with you outside of the normal class hours. If you use an email address other than the one you've provided the University, please let me know this so that I may add you to the class email list. The easiest way to do this is just to email me from the address you want me to reply to¹.

Course Description:

MATH 1050: From the catalog:

This course explores the concept of functions: polynomial, rational, inverse, logarithmic and exponential; with an emphasis on graphing. Solving systems of equations using matrix methods is covered along with conic sections. Other topics may include sequences, mathematical induction and the binomial theorem. The course involves the extensive use of graphing calculators. Prerequisite: A recent (within the last two years) Math ACT of 23, or a grade of C or better in Math 1010 within the last two years.

The course objectives are pretty straightforward: for you to become both knowledgeable and proficient in the mathematical topics listed above, so that you may easily utilize these concepts in the future (both in and out of university).

Text:

The text for MATH 1050 is College Algebra, 8th edition by Michael Sullivan (ISBN: 0-13-240286-6).

Classroom Behavior:

We will have a large (50+) section and fair amount of material to cover this year. Disruptive behavior by anyone will cause us to fall behind, ultimately to the detriment of you and your fellow students. Keep all unnecessary electronic devices (phones, PDAs, music players) off (not just silenced) for the duration of class. The only necessary electronic device is a graphing calculator. If you come in late, do so quietly. If you must leave, do so quietly. If you have a question on something, raise your hand and ask me and not a neighbor. If you become too much of a distraction, you will be asked to leave the classroom.

Office Hours:

¹ And yes, I do start sentences with conjunctions and end them with prepositions.

My office is two doors down from the lecture room. The office hours listed above are the times that, barring an emergency or short trip to the bathroom, I am guaranteed to be in my office and able to answer your questions. I am generally around my office in the afternoons all week, and you are welcome to drop by unannounced if you have any questions, but there's always the chance I won't be there (call ahead if you're coming from across campus). If you want to set up an appointment for us to meet at a different time, ask me in class or via email.

Reading:

You need to come to class prepared for the lecture, which means having read the section in the chapter *before* I lecture on it. Doing this will cut down the amount of time I spend in lecture rehashing what's already in the text and more time focusing on concepts and problem-solving. By reading, I don't mean merely glancing at, or even skimming, the respective pages. Attempt to really understand the material in the assigned sections. I highly recommend taking written notes every time, recording important definitions, concepts and equations, as well as noting any questions you have on the material. A schedule of what sections will be covered on a given day is attached to the end of the syllabus.

Homework:

I cannot stress enough the importance of doing problems. Doing problems are the way you practice doing math. There's no way around it. To that end, there are homework problems assigned for every section of the text that we cover in lecture (see the Course Schedule at the end of the Syllabus). You should be doing the assigned homework problems after I have lectured on the given section. Studying in a group is, of course, allowed and encouraged, particularly if math is not your favorite thing in the world², and especially if you are having trouble in the course³. However, the work you turn in must be your own (see the section below on Academic Dishonesty). Never directly copy from another student, even if you both came to a solution together -- to me, this is indistinguishable from cheating. Rewrite the solution in your own words and equations so that I am assured you understand the problem and solution.

Homework will be collected in class during the second class meeting of a given week (either a Tuesday or a Wednesday), consisting of all assigned problems from the previous week. Exceptions to this general rule will be announced in class as necessary. **Late homework will not be accepted** without a valid excuse. Homework should be neat and understandable; if I cannot comprehend your work, I cannot give you credit. I highly recommend doing your work in pencil; you will make mistakes during the course of your work, and scratching over things in pen tends to go against being neat and understandable. If your homework spans more than one page, ensure that it is stapled before you bring it to class. Points will be deducted if I have to staple it for you.

Quizzes:

² It's not mine either, though it's pretty high up there. I am a theoretical physicist, after all.

³ If you come in to see me later in the semester wondering how you can improve your performance, the first question I'll ask is whether or not you've been soliciting assistance from other students.

To span the lonely time between exams, short quizzes will be given on unannounced intervals on approximately a weekly basis⁴. To show I'm not such a bad guy, quizzes will be open note (though not open book). Problems on quizzes will be similar to those assigned in the homework⁵. Missed quizzes cannot be made up without a valid excuse.

Exams:

There will be three hour (well, fifty minute) exams over the course of the semester. These will cover 2-3 chapters of material and will consist of problems similar to those assigned in the homework. Depending upon the particular chapters, a (graphing) calculator may or may not be allowed. No notes or books are allowed on exams. There will be a similarly structured comprehensive final exam, given at the time indicated in the Final Exam Schedule. Notify me as soon as possible if you have a valid excuse for missing an exam, so we may reschedule. Otherwise, missed exams cannot be made up and will be scored as a zero.

Exam Schedule:

Exams covering a set of given chapters will always be given after we have finished lectures and one day after a Review lecture. Note that our first exam is given on the only Thursday we will meet during the semester.

Semester Exam #1	Thursday, Sep. 17 th	Ch. 1-2
Semester Exam #2	Wednesday, Oct. 21 st	Ch. 3-5
Semester Exam #3	Wednesday, Nov. 11 th	Ch. 6-7
Final Exam (3-4:50 pm)	Tuesday, Dec. 8 th	Comprehensive

Attendance Policy:

I will not take formal attendance, though it of course behooves you to come to every class. Recall that missed quizzes cannot be made up. What constitutes a "valid" absence for missing a quiz or exam is at the discretion of the Professor (me, in other words). University excused absences and medical emergencies (with proof) are examples of valid absences. If you are a member of a team or group that has a preset schedule for the days you'll miss, please give me a copy of it. In any event, please contact me as soon as possible with any conflicts for the quiz and exam dates listed.

Tutoring:

In addition to recitation and my office hours, there is tutoring available through the SUU Student Success Center (ST 177 in the Sharwan Smith Center). Check with them for the specific times for the math tutor.

⁴ Maybe longer, maybe shorter, depending upon my whims.

⁵ In fact, sometimes they *will be* problems I have assigned in the homework, so if you have kept up with the assigned problems and have them in your notes, this will be, as you imagine, quite a boon.

Grading:

Your overall grade for this course will be determined from your performance on:

Homework:	20%
Quizzes:	10%
Exams:	45% (15% for each exam)
Final Exam:	25%
Total:	100%

Letter grades will be assigned based on your overall percentage (which is the minimum needed to obtain that grade):

F: < 60%			
D- : 60%	C-: 70%	B-: 80%	A-: 90%
D: 63%	C: 73%	B: 83%	A: 93%
D+: 66%	C+: 76%	B+: 86%	

Extra Credit:

I do not plan on offering any extra credit work this semester. That is not to say there won't be any, as I cannot predict when the Muse will strike me⁶ and I will come up with an idea. Do not come to me and ask if you can do extra credit to improve your grade. Get the regular credit the first time.

Academic Dishonesty:

Academic dishonesty will not be tolerated and will be prosecuted to the fullest extent. **Seriously.** I understand and encourage students to work in groups if it aids in their understanding of the material, but will not tolerate rote copying of one student's work by another (nor copying out of the solutions manual⁷). Ensure that the work you turn in is your own.

Academic dishonesty includes but is not limited to cheating (on exams, quizzes, labs or homework), fabrication, plagiarism or facilitating dishonesty. Except for cases of major offenses, responding to academic dishonesty is the responsibility of the Professor. If a student is deemed guilty of academic dishonesty, the consequences may range from a formal reprimand and/or a failing grade on the assignment in question, to dismissal from class and a failing grade. Other penalties for severe infractions will be dealt with based on SUU's Policies and Procedures (Section 11.2). You are expected to have read and understood the current issue of the student handbook (published by Student Services) regarding student responsibilities and rights, and the intellectual property policy, for information about procedures and about what constitutes acceptable on-campus behavior.

⁶ Predominantly, it is Urania (Muse of Astronomy), as Thalia (Muse of Comedy) wants nothing to do with me.

⁷ Which I have a copy of, so you're not fooling anyone.

ADA Statement:

Students with medical, psychological, learning or other disabilities desiring academic adjustments, accommodations or auxiliary aids will need to contact the SUU Coordinator of [Services for Students with Disabilities \(SSD\)](#), in Room 205C of the Sharwan Smith Center or phone (435) 865-8022. SSD determines eligibility and authorizes the provision of services.

Final Disclaimer:

Information contained in this syllabus, other than the grading, late assignments, makeup work, and attendance policies, may be subject to change with advance notice, as deemed appropriate by the Professor's whims.

Course Schedule:

Date	Sections	Homework Assignments	HW Due
Monday, August 24, 2009		Intro/Review	
Tuesday, August 25, 2009	1.1	17-43 odd, 49, 53, 55, 59, 83, 84, 85	
Wednesday, August 26, 2009	1.2	9,19,23,31-35, 41, 47-61 odd, 79-85 odd, 93, 95, 101, 102	
Friday, August 28, 2009	1.3	9-27 odd, 33, 35, 53-65 odd, 73, 75	
Monday, August 31, 2009	1.4	7-21 odd, 41-49 odd, 51, 73, 74, 79-82	
Tuesday, September 01, 2009	1.5	23-37 odd, 53-77 odd, 81-84	1.1-1.3
Wednesday, September 02, 2009	1.6	7-23 odd, 39-53 odd	
Friday, September 04, 2009	1.7	7-11, 17,19,25-27, 33, 34	
Monday, September 07, 2009		Labor Day - NO CLASS	
Tuesday, September 08, 2009	2.1	15-25 odd, 29-33 odd, 39-43	
Wednesday, September 09, 2009	2.2	27,33,37,43,49	1.4-1.7
Friday, September 11, 2009	2.3	11-25 odd, 37, 39, 45, 47, 53-69 odd	
Monday, September 14, 2009	2.4	7-29 odd, 35	
Tuesday, September 15, 2009	2.5	3, 5, 7, 15	
Wednesday, September 16, 2009		Review	2.1-2.5
Thursday, September 17, 2009		Exam #1 (Ch. 1-2)	
Friday, September 18, 2009		NO CLASS	
Monday, September 21, 2009	3.1	27,33,39,47,51,55,57,61,63,75	
Tuesday, September 22, 2009	3.2	11-21 odd, 23, 25, 27	
Wednesday, September 23, 2009	3.3	11-21 odd, 25, 33, 35, 45, 49, 55, 59	
Friday, September 25, 2009	3.4	25, 29, 31, 35, 47	
Monday, September 28, 2009	3.5	7,11,19,21,27,35, 65a-f, 66a-f	
Tuesday, September 29, 2009	3.6	1,3,5,7	3.1-3.4
Wednesday, September 30, 2009	4.1-4.2	4.1: 21-27 odd, 37-43 odd; 4.2: 3-17 odd	
Friday, October 02, 2009	4.3	11,15,35-51 odd, 59-65 odd	
Monday, October 05, 2009	4.4	3, 5, 7-10	

Tuesday, October 06, 2009	5.1	11-21 odd, 41, 45, 47, 51, 55, 61, 63, 67, 77	3.5-4.3
Wednesday, October 07, 2009	5.2	11-21 odd, 23, 27, 41, 42, 45, 47	
Friday, October 09, 2009	5.3	7,9,11	
Monday, October 12, 2009	5.4	3-23 odd, 29, 31	
Tuesday, October 13, 2009	5.5	11-19 odd, 33-41 odd, 45, 47, 57, 59, 63	4.4-5.3
Wednesday, October 14, 2009	5.6	7-15 odd, 23, 31, 33	
Friday, October 16, 2009	6.1	7-17 odd, 19, 21, 33, 35, 43, 45, 47	
Monday, October 19, 2009		Harvest Holiday - NO CLASS	
Tuesday, October 20, 2009		Review	5.4-5.6
Wednesday, October 21, 2009		Exam #2 (Ch. 3-5)	
Friday, October 23, 2009	6.2	31, 33, 35, 37, 41, 43, 47-65 odd	
Monday, October 26, 2009	6.3	21-29 odd, 37, 57-67 odd	
Tuesday, October 27, 2009	6.4	17-33 odd, 37, 39, 53, 59, 71, 87-99 odd	6.1-6.2
Wednesday, October 28, 2009	6.5	7-17 odd, 31-63 odd	
Friday, October 30, 2009	6.6	5-27 odd, 33, 41, 42, 45, 47, 53, 55	
Monday, November 02, 2009	6.7	3,5,7,11,13,25	
Tuesday, November 03, 2009	6.8	1,2,3,4,9,13,14	6.3-6.6
Wednesday, November 04, 2009	7.1-7.2	7.1: none; 7.2: 19, 21, 27, 29, 37, 43, 55	
Friday, November 06, 2009	7.3	13, 17, 19, 21, 27, 29, 33, 43, 44, 45, 55, 57	
Monday, November 09, 2009	7.4	13, 17, 19, 21, 27, 29, 39, 41, 43	
Tuesday, November 10, 2009		Review	6.7-7.4
Wednesday, November 11, 2009		Exam #3 (Ch. 6-7)	
Friday, November 13, 2009	8.1	9, 17-29 odd, 43	
Monday, November 16, 2009	8.2	5, 7, 17, 21, 37, 39, 47	
Tuesday, November 17, 2009	8.3	7, 9, 11, 13, 15, 19, 23, 25, 33, 35	
Wednesday, November 18, 2009	8.4	7, 11, 13, 15, 19, 23, 25, 27, 29, 31	
Friday, November 20, 2009	8.6	5, 11, 13, 15	
Monday, November 23, 2009	9.1	11, 17, 35	
Tuesday, November 24, 2009	9.2	3-23 odd, 27, 29, 31, 35, 39	8.1-8.6
Wednesday, November 25, 2009		Thanksgiving Break - NO CLASS	
Thursday, November 26, 2009		Thanksgiving Break - NO CLASS	
Friday, November 27, 2009		Thanksgiving Break - NO CLASS	
Monday, November 30, 2009	9.3	11-35 odd, 47, 55, 61, 68, 69, 71, 75	
Tuesday, December 01, 2009	9.5	5, 21, 29, 31, 33, 35, 37	
Wednesday, December 02, 2009		Flex/Review	
Friday, December 04, 2009		Review	9.1-9.5
Monday, December 07, 2009		Study Day - NO CLASS	
Tuesday, December 08, 2009		Final (3-4:50 pm)	