

Math 71B Syllabus

Spring 2014

CLASS INFO

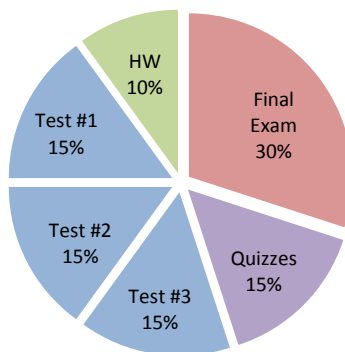
Intermediate Algebra (Second Half)
TTh 4:45-6:10pm
Section 4 (CRN 40209)
Classroom: 61-3410
<http://davidsmath.com/math71b/>

PROFESSOR INFO

Name: David Beydler
Office Hours: M 1-4pm, T 3:30-4:30pm, Th 3:30-4:30pm
Office: 61-1626 (Building 61, Room 1626)
Phone: 909-274-4669
E-mail: dbeydler@mtsac.edu

GRADING INFO

Homework:	10%
Quizzes:	15%
Test #1:	15%
Test #2:	15%
Test #3:	15%
Final Exam:	30%



You'll get an A, B, C, D, or F based on these overall percentages:

90-100%:	A
80-89%:	B
70-79%:	C
60-69%:	D
0-59%:	F

Homework: Homework will be collected weekly. You must show work to get credit. Label each assignment with the section number(s) (ex: 2.5, 4.1, etc.). You can turn in up to 2 homework assignments one week late. Also, your lowest 2 homework assignments will be dropped.

Quizzes: Almost every class session (usually at the end of class), there will be a short quiz based on the material covered that day. Quizzes will consist of problems covered in class. No make-up quizzes will be given. Your lowest 3 quizzes will be dropped.

Tests: We'll have 3 tests on Mar 27 (Thu), Apr 24 (Thu), and May 22 (Thu). No make-up tests will be given. I'll replace your lowest test percentage with your final exam percentage (if your final exam percentage is higher).

Final Exam: The final exam will cover material from Math 71A and Math 71B, and will be on Tuesday, June 10, 4:30pm-7:00pm. No make-up final will be allowed.

Extra Credit:

- MARC:** If you spend one hour in the MARC (Math Activities Resource Center) during the first 3 weeks of class, you'll get an extra 2% towards your first test. The idea is to help you discover this excellent resource!
- Tutoring:** For every 2 hours that you spend at the MARC or other tutoring center, you'll get an extra 0.5% towards the next upcoming test (including the final exam), with a maximum limit of 2% extra credit per test.
- Review Problems:** Before each test and the final exam, I'll give you a set of review problems to work on. They'll be due at each test, and depending on completeness and neatness can be worth up to 2% extra credit towards that test (including the final exam).

So, the maximum possible extra credit for Test #1 is 6%. The maximum possible extra credit for Test #2, Test #3, and the final exam is 4% each.

GENERAL POLICIES

Calculators: You can use a *scientific* calculator for homework, quizzes, tests, and the final exam. You will *not* be allowed to use cell phones, graphing calculators, computers, etc. If you're not sure, check with me ahead of time whether your calculator is acceptable or not. You will not be allowed to share a calculator during quizzes, tests, and the final exam.

Also, no books or notes will be allowed during the quizzes, tests, and final exam.

Classroom: My goal is to keep the classroom environment focused on learning math (after all, that's what you signed up for!). So, the basic rules are: don't disrupt others during class, and respect your fellow classmates and teacher (me!). Please eat before or after class. Turn cell phones off/silent.

I'll put extra copies of the previous session's handouts in a blue folder near the back/side of the room. If you need any handouts older than the previous session, please stop by my office during office hours, or follow me to my office after class.

I will post handouts and test solutions on the class website (see Class Info).

MISCELLANEOUS

Textbook: *Intermediate Algebra for College Students* (6th edition), Robert Blitzer, 2013

Prerequisites: MATH71A

Description: Quadratic equations and graphs; exponents, radicals and logarithms; conic sections. Covers remaining MATH 71 topics. A student must complete both MATH 71A AND 71B to have taken the equivalent of MATH 71, Intermediate Algebra.

Objectives:

1. Solve the following types of equations in one variable: polynomial, absolute value, and rational. Solve applications involving polynomial and rational equations. Solve literal equations.
2. Define a function and its domain and range, find the domain of a function involving rational expressions. Perform operations on functions.
3. Solve linear inequalities. Solve compound inequalities.
4. Solve linear in two variables; also, linear systems in three variables. Solve applications using linear systems.
5. Construct, interpret and analyze graphs for the following: linear and quadratic equations, linear inequalities, and linear systems. Find the equation of a line given facts about the line.
6. Use the rules for exponents to simplify expressions.
7. Add, subtract, multiply, divide, and factor polynomials.
8. Simplify and perform operations on rational expressions. Simplify complex fractions.
9. Evaluate and perform operations on radical terms, expressions containing rational exponents, and complex numbers. Rationalize denominators.
10. Evaluate and perform operations on exponential and logarithmic functions. Find the inverse of a function.
11. Find the values of a sequence. Evaluate series. Apply the binomial theorem.

Student Learning Outcomes: The department Student Learning Outcomes (SLOs) can be found at <http://math.mtsac.edu/slo.html>

Accommodations: Students with disabilities should be sure to contact the DSP&S Office. Also, please feel free to stop by my office so we can discuss your particular learning needs.

Academic honesty: Don't cheat. Seriously. I will follow the policy as outlined in the school catalog (see <http://www.mtsac.edu/catalog/>), and will report any violations of academic honesty to the Office of Student Life. Also, you'll receive a zero score on the assignment/exam.

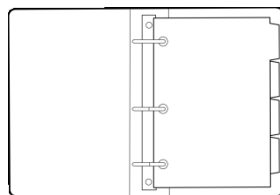
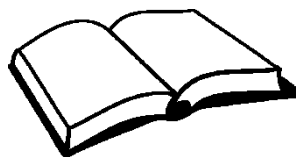
TUTORIAL SERVICES

Free tutorial services are available in the MARC (Building 61, first floor). For details, check out: <http://marc.mtsac.edu/>

Free tutorial services are also available at the LAC (Learning Assistance Center) in the library (Building 6). For details, see: <http://www.mtsac.edu/instruction/learning/lac/services.html#tutorial>

STUFF TO GET

1. Textbook (by the end of the first week)
2. 3-ring binder (*1.5-inches* is best if you keep everything in it—trust me)
3. Pencils and erasers
4. Scientific calculator (optional)



FAQ

Q: Do you offer make-up quizzes/exams?

A: No. However, your lowest 3 quizzes will be dropped. Also, if you miss a test for any reason, I'll replace the test with the final exam percentage.

Q: Will I need Scantrons?

A: Nope.

Q: Will the final exam cover everything?

A: Yep.

Q: How do you pronounce your last name?

A: The "Bey" is pronounced like "Bye!" But don't worry about this!

Note: Any of the information in this syllabus could change anytime. I'll try to e-mail important announcements and post them on the website, but ultimately you are responsible for announcements made in class. So, I'd recommend getting the phone number and/or e-mail address of a classmate or two.

CLASSMATE CONTACT INFO

Name: _____

Name: _____

Phone: _____

Phone: _____

E-mail: _____

E-mail: _____
