Syllabus

Math 1060-002 Trigonometry

Spring 2015

Class meeting information: Class meets 2 times per week: **T, H (in JTB 130) 6:00-7:20 p.m.**

Instructor : Vira Babenko, office LCB 306

e-mail: babenko@math.utah.edu

web-page: www.math.utah.edu/~babenko/

Home page for our course: www.math.utah.edu/~babenko/html/spring_2015.html

Office Hours: T: 5:00-6:00 p.m., H: 4:00-5:00 p.m. and, of course, by appointment.

Question & Answer Sessions: I will run not only office hours but also Questions and Answers sessions as well. There we can get together for additional review, for answering more questions and doing more examples. Note: even though it will be helpful for everybody to attend, regardless to whether or not you have specific questions, to make this work most efficient and helpful I strongly suggest that you bring your specific questions to discuss. Time: H 5:00-6:00 p.m.

Prerequisites: "C" or better in MATH 1010 OR MATH 1050 OR MATH 1080 OR Accuplacer CLM score of 60 or better OR ACT Math score of 23 or better OR SAT Math score of 540 or better

Required Textbook: Larson, PreCalculus, 9th Edition. ***The course covers chapters 4, 5, 6 and 10.7-10.9 of the text.*** This comes as an e-book when students sign up for Enhanced WebAssign. It may also be purchased separately, but the WebAssign online homework is part of the grade.

Class Notes: I will put scanned copies of my notes online. You can view them before class, or print them and bring them to class. I may also deviate from them during class. The sole purpose of making these notes available online is to make it easier for you to follow during class, to take notes yourself, and to review the subject.

Course Description: Topics to be covered include linear algebra of the plane, trigonometry, conics, and the complex numbers. MATH 1060 will help you improve mathematical reasoning, and prepare you for future math learning in calculus and linear algebra.

Homework: is to be completed on WebAssign. Due date will be every Tuesday at the beginning of the class. **Late homework is not allowed.**

Quizzes will be given every Tuesday lecture except for exam dates. **The lowest two quiz's grades will be dropped from the final grades. There will be NO MAKE UP quizzes.**

Tests (Midterms): After covering each full book's chapter we will have Test (50 min), it means we will have 3 tests during the semester.

Make ups: You should make every effort to participate in all tests. If you have to miss a test, talk to me, **before** the test. If you missed a test for a legitimate (**documented**! documents

should be provided in person **no later than 1 week after** missed test!) reason, I will use the weight of the final exam as a grade for the missed exam. Thus, if you get x percent on the final, you will also get x percent on your missed test. You may exercise this option only ONCE a semester and with my prior approval.

Final Exam: The final exam for this course is a COMPREHENSIVE exam

Thursday, April 30, 2015 6:00 - 8:00 pm

Important Dates:

Last day to drop (delete) classes	Wed., January 21
Last day to add, elect CR/NC, or audit classes	Monday, January 26
Last day to withdraw from classes	Friday, March 6

Extra credit: Keep in mind that "EXTRA credit" makes sense only after the actual CREDIT has being earned for the core material. However, to encourage your exploring a variety of mathematical topics I offer the following extra credit opportunity:

- The Department of Mathematics hosts a wide variety of talks on mathematics and its applications. The schedule of events is available on the departmental calendar page: http://www.math.utah.edu/seminars/. And in particular Undergraduate Colloquium web page is: http://www.math.utah.edu/ugrad/colloquia.html. Attending a talk and bringing me (no later than 2 classes after the talk) a write-up (at least one page, typed up, single spaced, focusing on mathematics presented at the talk) will earn you an extra credit (.5 pts for each up to 3 pts total).

Grading Plan: All quizzes - 20 points (so, each quiz – 2 points), 3 tests – 36 points (12 points each), homework - 14 points (1 point each), final exam – 30 points.

So, 10*2+3*12+1*14+30=100 – you can get 100 points

Grading Scale: A (91-100), A- (87-90), B+ (84-86), B(81-83), B- (77-80), C+ (74-76), C (71-73), C- (67-70), D+ (64-66), D (61-63), D- (57-60), E (0-56)

Tutoring Center: Free tutoring is available in the T. Benny Rushing Mathematics Center, located between LCB and JWB, Room 155 M-Th: 8am - 8pm, F: 8am - 6pm. Opens 2nd week of semester. The tutoring center is closed during semester breaks, weekends, and University holidays.

Calculators are not required and **will NOT be allowed for exams.**

ADA Statement: The American with Disabilities Act requires that reasonable accommodations be proved for students with physical, cognitive, systemic learning, and psychiatric disabilities. The student needs to have such a disability approved by the Disability Service Office (162 UNION, 581-5020) in order to have the accommodations provided. The instructor need to be informed about such a disability and approved accommodations at the beginning of the semester.

Academic integrity: I will not tolerate cheating in any form. All suspected cases will immediately result in 0 for the assignment, and will be taken to the Chair of the Department and the Dean of Students.

Other Rules:

- Students are expected to attend every class and participate actively by asking questions both in and out of class.
- If you have questions about any exam grade, or you want to appeal the grading of the exam, you must bring it within one week of the exam (same for quizzes). After that, no such request will be entertained.
- Students are expected to assist in maintaining a classroom environment that is conductive to learning. Students are to treat instructors and other students with respect. Students are to turn all cell phones on silent and put away while in the classroom.
- Students are expected to arrive on time and stay for the whole duration of the class. Do not leave classroom early without okaying it first with me.

This is a tentative schedule. It may be modified depending on the progress of the class.

Date	Lecture	Topic	
TU 01/13/15	1	Introduction + Review	
TH 01/15/15	2	4.1	
TU 01/20/15	3	4.2	**Quiz 1**
TH 01/22/15	4	4.3	
TU 01/27/15	5	4.4	**Quiz 2**
TH 01/29/15	6	4.5	
TU 02/03/15	7	4.6	**Quiz 3**
TH 02/05/15	8	4.7	
TU 02/10/15	9	4.8	**Quiz 4**
TH 02/12/15	10	Review	
TU 02/17/15		**Test 1**	
TH 02/19/15	11	5.1	
TU 02/24/15	12	5.2	**Quiz 5**
TH 02/26/15	13	5.3	
TU 03/03/15	14	5.4	**Quiz 6**
TH 03/05/15	15	5.5	
TU 03/10/15	16	Review	**Quiz 7**
TH 03/12/15		**Test 2**	
TU 03/17/15		**NO CLASS**	
TH 03/19/15		**NO CLASS**	
TU 03/24/15	17	6.1	**Quiz 8**
TH 03/26/15	18	6.2	
TU 03/31/15	19	6.3	**Quiz 9**
TH 04/02/15	20	6.4	
TU 04/07/15	21	6.5	**Quiz 10**
TH 04/09/15	22	Review	
TU 04/14/15		**Test 3**	
TH 04/16/15	23	10.7	
TU 04/21/15	24	10.8	**Quiz 11**
TH 04/23/15	25	Review	
TU 04/28/15	26	Review	**Quiz 12**
TH 04/30/15		**FINAL EXAM**	

All information on this syllabus is subject to change. Any changes will be announced in class.

GOOD LUCK!!!