College Algebra and Trigonometry

MATH 190 Section ECP, Fall 2014

M 11 – 11:50am in room NAC 7/313A; T, Th 8 – 9:15am in room Harris 10

Instructor: Jhevon Smith
Email: JhevonTeaches@gmail.com
Office Hours: By appointment. Also see tutoring times below.
Website: http://math.sci.ccny.cuny.edu/people?name=Jhevon_Smith
Text: McKeague, Algebra with Trigonometry for College Students, 5th Edition.
Math Dept.: NAC 8/133 **Math Dept. website:** http://math.sci.ccny.cuny.edu
Math 190 website: http://math.sci.ccny.cuny.edu/courses?name=Math_19000

Websites: I gave you my website since I will be posting documents and instructions for the class there, such as: review problems, announcements, solutions to tests and quizzes, etc. I gave you the math 190 website because you will need to go to that website to access past finals, and other study materials, etc. I gave you the math. dept. website because, well, you should have it.

Calculator: Scientific (non-graphing) calculators are permitted in this course; however, we will not be using calculators until we get to chapter 12. *You are NOT allowed to use your smart phone as a calculator.* I do not recommend that you use graphing calculators. If you do, then I will have to wipe its memory before every test or quiz. This inconveniences everyone. An adequate non-graphing scientific calculator should be affordable to virtually everyone.

Grading: Grades will be assigned according to the following chart.

Letter Grade	**G.P.A.**	**Grade**	**Letter grade**	**G.P.A.**	**Grade**
A^+	4.00	98-100	C	2.00	74-76
A	4.00	94-97	**C-**	**1.66**	**70-73**
A^-	3.66	90-93	**D**	**1.00**	**60-69**
B^+	3.33	87-89	**F**	**0**	**Below 60**
B	3.00	84-86			
B-	2.66	80-83			

You need a C to pass this course and move on to the next, MATH 195. However, for majors that would require a math sequence involving math 190 (science, engineering, math, etc), an A would be much more appropriate…

As department policy demands, the final exam is worth 40% of your grade in this course. The remaining 60% will come from your in-class grade. The breakdown is as follows:

Quizzes: 15% (There will be a quiz *at least* every Monday. Two quiz grades will be dropped.)
Homeworks: 10% (I will drop the worst two).
Participation: 5% (Based mostly on attendance).
In-class tests: 30% (I will give 4 exams and count the best 3).
Final Exam: 40% (This will be a cumulative exam given at the end of the course).

Extra Credit: Not happening…

Make-up Exams/Quizzes: No way…

Don't miss any test or quiz! And work hard so that you don't end up in a position where you'd need extra credit!

Attendance: Attendance will be taken at the beginning of class. You are *late* if you arrive after your name is called. You are considered *absent* if you arrive 15 minutes late. If you are late twice, that is considered as one absence. For your 2^{nd}, 3^{rd}, and 4^{th} absence, I will take 1, 2, and 4 point(s), respectively, off your final grade. You will be assigned a WU (failing) grade if you accumulate 5 unexcused absences.

To be excused for an absence (or lateness) you must email me no later than one day after that particular absence (or lateness) with the reason. Of course, proof is required where applicable. For example, if your absence or lateness was due to a doctor's appointment, I expect to see a doctor's note. If you miss a class, it is your responsibility to catch up. You can see me during my office hour to discuss what was done in class, or catch up on your own. It's up to you. **To reiterate, there is no make-up for a missed quiz/homework/exam. Seriously! I drop your lowest scores to make up for the fact that there are no make ups.**

My Expectations:

Work ethic: You are not to slack off (more on this in class)! You are to read ahead! Very Important! Read each section before coming to class. It's better if you have your mind working on the concepts before coming to class—it will be easier for you to keep up and ask intelligent questions.

Homework: Assigned homework will be collected at the beginning of the class when it's due. We will review each homework in class, so be prepared to discuss your attempts and ask questions. The homework for a section is due once I complete that section in class (whether I announced that I completed it or not. Ask me if you're not sure, or follow along in the text). **Late homework will NOT be accepted.** *The excuse does not matter.* I will drop two homeworks to make up for the fact that late ones cannot be handed in.

I expect your hand-in homework to follow certain guidelines (**you lose points otherwise**):
(1) Show all your work. This goes for homework and *everything* else you do in this class—besides some quizzes. If anything at all can be written down to show how you got from point A to B, then write it!
(2) Your homework must be stapled if it consists of more than one page.
(3) Your homework must be properly labeled: **Your name, the HW number *and* topic(s)** (see the syllabus for what these are).
(4) Only ONE HW number per stapled group.
(5) Be neat! And write legibly, for Pete's sake!

I also expect you to remember the math that you have done before this course. Math is cumulative. Each math class builds on the class that came before it. If you are not good at pre-algebra, then algebra will be difficult, and so on. Be sure you've mastered the level of math that came before this. I will assume you are all experts at the lower level math courses. If this is not currently true for you, make it true, quickly; like by the end of the week.

Now, the matra.

Repeat the following to yourself 10 times a day. Five times when you wake up and five times before you go to sleep.

I must NOT cancel across sums,
I must NOT distribute powers across sums,
I must NOT divide by zero,
All these are blasphemy!
But I will use brackets when appropriate.

So yeah, the above may seem like a joke, and it is somewhat, but here's the part that's not funny: **do NOT commit any of the blasphemies mentioned above! Doing so will result in an instant zero (0) on any exam or quiz in which such an offense is made! Regardless of how well you did otherwise.**

Contact: You are to email me at the end of the first day of class, stating your name, your course and its section. I will deduct 5 points off your final grade if you fail to do this. I will be emailing important information from time to time; including progress reports, announcements and advice as needed. Please read the emails. If I email you, it means it is important—important enough for me to take the time to write an email so that you will have it in writing.

Feedback: I encourage you to give me feedback about my teaching or the class, whether positive or negative (just make it constructive please). You can email me or talk to me, or if you don't want to reveal your identity, there is an anonymous feedback page on my website.

Help: FREE tutoring is available in the Marshak Building, room 418S. I am also a tutor there. The hours for this semester are: Mondays through Thursdays 12pm – 5pm and Fridays 12pm – 4pm. The tutoring center will be open starting September 2nd.There are also online resources available. A great place to get math help, even at odd hours, is www.mathhelpforum.com. There are a significant number of brilliant people from varying time zones who decide to spend their free time helping others with math. Take advantage of this great service. Another great resource on the web is wolframalpha.com. You can use that site to check your answers. Brilliant site. Of course, there are other online contenders like YouTube, Khan Academy, etc. Check them out. Google is your friend…and big brother. And don't forget your classmates. You should get the contact information of at least one person that you can study with or get missed notes from if you are absent, etc. You're all in this together, help each other out. And, of course, there is always me! Don't be afraid to come to me if you have questions or concerns. You can contact me via email or see me after class or during my office hour. My office hour is by appointment. I will also be at the tutoring center regularly and you can come and see me there.

Some class rules: Please silence your cell phones and don't use them when in class. Eating in class is NOT allowed. Drinking is permitted, as long as you remove your garbage afterwards.

Academic Integrity: Any act of academic dishonesty will be dealt with by applying the most stringent penalties permitted. Cheating includes, but is not limited to, receiving help during exams and submitting homework without properly acknowledging persons who assisted you. Please read carefully the Policy on Academic Integrity posted on the CUNY website with URL http://www1.cuny.edu/portal_ur/content/2004/policies/image/policy.pdf

I really don't like cheating. Please don't do it. There, I asked nicely.

Fall 2014 Academic Calendar

August	
08/21/2014	Last day to apply for an e-Permit
08/27/2014	Last day of Registration
08/27/2014	**Last day to drop classes for 100% tuition refund**
08/28/2014	**CLASSES BEGIN**
08/28/2014 - 08/29/2014	Change of Program
08/30/2014	**FIRST DAY OF SATURDAY CLASSES**
September	
09/01/2014	**College Closed - Labor Day**
09/02/2014 – 09/04/2014	Change of Program
09/04/2014	Last day to drop classes for 75% tuition refund
09/04/2014	Last day for Change of Program
09/04/2014	Last day to add a class to an Existing Program
09/04/2014	Last day to file for Pass/Fail and Audit Options
09/10/2014	Last day to drop classes for 50% tuition refund
09/17/2014	Last day to drop classes for 25% tuition refund
09/17/2014	Last day to drop classes without the grade of "W"
09/18/2014	**Course withdrawal period begins (A grade of "W" is assigned to students who officially drop a class) – No Refund**
09/18/2014	Verification of Enrollment begins
09/23/2014	**Friday Schedule**
09/24/2014 – 09/26/2014	**No classes scheduled (College Open)**
09/26/2014	Deadline for Verification of Enrollment due for Registrar to assign of "WN" grades
09/26/2014	Last day to submit proof of immunization for NYS residents
October	
10/03/2014	**Last day to select a major for this semester's TAP awards**
10/03/2014 – 10/04/2014	**No classes scheduled (College Open)**
10/12/2014 – 10/13/2014	**College Closed (Columbus Day)**
10/14/2014	Last day to submit proof of immunization for non-NYS residents
November	
11/03/2014	Deadline for filing Application for Degree for February 2015 Graduation.
11/05/2014	INC grades for Spring 2014 and Summer 2014 for Undergraduates students convert to FIN
11/06/2014	INC grades for Summer 2013, Fall 2013 and Winter Session 2014 for Graduate students convert to FIN

11/06/2014	Last day to drop with the grade of "W". Course withdrawal period ends
11/27/2014 – 11/30/2014	**College Closed – No Classes**
December	
12/13/2014	**LAST DAY OF SATURDAY CLASSES**
12/15/2014	**LAST DAY OF CLASSES**
12/16/2014	Reading Day
12/16/2014 - 12/23/2014	**Final Exams**
12/23/2014	End of Fall Term
12/24/2014 - 12/25/2014	**College Closed**
12/30/2014	Last day for grade submissions - Fall 2014
12/31/2014	**College Closed**
January	
01/01/2015	**College Closed**

Topics and Assignments:

#	Topic	Assignment
1	Section R4-Review of Exponents	Page 46-47/1-61 odd
2	SectionR5-Polynomials-Addition, Subtraction and Multiplication	Page 58-59/13-21odd,25,27,28-34 all, 41-57odd,63-71odd, 75
3	Section R6-Factoring	Page 67-69/1-63 odd *Extending the concept do 93,95
4	Section R7-Special Factoring	Page 77-79/1-5 odd, 9,15-23odd,35-38all, 43-46all, 47-73odd, *Extending the concept do 101-105 all
5	Section 1.1-Linear Equations in one variable, also solving quadratic equations	Page 110-112/1-29 odd, 33-45 odd, *Extending the concepts 89-93,97,98
6	Section 4.1-Basic Properties of rational Expressions and Reducing To Lowest Terms	Page 355-356/1,3,5-10all,11-37odd, 45-55odd
7	Section 4.2-Division of Polynomials	Page 369/1-19odd,27-43odd, 57
8	Section 4.3-Multiplication and Division of Rational Expressions	Page 377-378/7-17 odd,27-41odd,45,53, 55
9	Section 4.4-Addition and Subtraction of Rational Expressions	Page 386-387/13-29 odd,35,40,47,49,51,53 *Extending the concept Page 388/79,81,83
10	Section 4.5-Complex Fraction	Page 392-393/9-12all,17,18,20,27,46,48 *Extending the concept Page 394/65-74all
11	Section 4.6-Equations involving Rational Expressions	Page 402-403/1-25 odd,31,39,45,48,51,53 *Extending the concept Page 405/91-94all
12	Section 4.7-Applications	Page 413-414/2,4,5,5,9,11,13,15
13	Review for exam #1	TBA
14	**Exam #1 on topics 1 - 12**	
15	Section 5.1-Rational Exponents	Page 435-436/2,4,8,11,15,17-58all,59,61, 63-73odd
16	Section 5.2-More Expressions involving Rational Exponents	Page 443/6,8,11,16,20,24,38,41,45,47,48
17	Section 5.3-Simplified forms of radicals	Page 453-454/2,4,6-9all,19,20,21-25all, 27-29all,44,48,
18	Section 5.4-Addition and Subtraction of Radical Expressions	Page 459-460/1,3,7,10,13,16,22,24,30,32,34,36
19	Section 5.5-Multiplication and Division of Radical Expressions	Page 466-467/1-9all,13-23 odd,39,41,43
20	Section 5.6-Radical Equations	Page 475/10,12,14,15,20,22,23,32,34,42
21	Section 2.2-The slope of a line, parallel, perpendicular lines	Page 198-199/ 1-5all, 7-19 odd, 21,23, 33,35-42all *Extending the concepts Page 202/69,70
22	Section 2.3-The equation of a line	Page 210-211/ 1-25 odd, 33,34,39
23	Review for exam #2	TBA
24	**Exam #2 on topics 15 - 22**	

25	Section 3.1- Systems of Linear Equations In Two Variables	Page 286/9-19 odd, 25,35,41 *Extending the concept Page 289/81,82
26	Section 3.2-System of Linear Equations in Three Variables	Page 294/1-5 odd, 9, 15,16
27	Section 3.3-Introduction to Determinants	Page 303/1-21 odd,23-39 odd please use the method we learned in class
28	Section 3.4-Cramer's Rule	Page 310/1, 3,9,13, 15,17,29
29	Section 3.5-Applications	Page 323/3,5,6,7,8, 25,27,28,30
30	Section 6.1-Completing the Squares	Page 502/1-15 odd,21-29 odd, 35-49 odd *Extending the concepts Page 504/89-92 all
31	Section 6.2-The Quadratic Formula	Page 514/5,9,13,17,18,21,23,25,29,31 *Extending the concepts Page 516/75-77all
32	Section 6.5-Graphing Parabolas	Page 546/1-15 odd,31,33,35
33	Section 9.1-The circle	Page 682-683/5,11,15,17,24,28,30,36,37,40,42,54
34	Section 9.3-Non Linear Systems	Page 706/37,40,42,45,48,49,54,56,61,62
35	Review for exam #3	TBA
36	**Exam #3 on topics 25 - 34**	
37	Section 11.1-Introduction to Identities	Page 802-803/1,2,11,12,21,22
38	Section 12.1-Right Triangle Trigonometry	Page 847-848/14,16,18,20,23,24,29,30,31,36,38,39,45
39	Section 12.2-The Law of Sine	Page 855/1,5,7,10,13,15
40	Section 12.4-The Law of Cosine	Page 866/5,6,9,12,21
41	Section 2.5-Introduction to Functions	
42	Section 2.6-Function Notation	Page 242-243/1-12all,45,46; Page 369-370/45-49odd,53
43	Review for exam #4	TBA
44	**Exam #4 on topics 37 - 42**	
45	Review for the Final Exam	Page 563-564 (Cumulative review at the bottom of the page)/13-15,17,19,21,22,23,26,27,29-34all, work on past finals
46	**Final Exam:** Monday, December 22 from 1:00 pm - 3:15 pm.	Location and seating assignments: TBA

Your real first assignment is to email me, as in the "Contact" instructions above.

Questionnaire

How did you get into this class? (Placement exam after entering college, placed here upon college entry, placed by an advisor, etc)

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Are there any dates during the Fall for which you will not be able to take an exam/quiz due to religious reasons? If so, please state the date(s) and "occasion(s)" below.

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Any general feelings or concerns towards this course? (For example, are you: Scared? Excited? Curious? Indifferent? Based on your perceived ability in math, what grade are you expecting? etc)

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Are there any other relevant comments that you wish to add?

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