MATH 119  PreCalculus with Trigonometry
SPRING 2016

READ THIS SYLLABUS CAREFULLY. YOU ARE RESPONSIBLE FOR KNOWING THIS INFORMATION. SAVE THIS SYLLABUS AND REFER TO IT DURING THE SEMESTER.

Prerequisite: Math 101 Intermediate Algebra (B- or higher).

This course is a prerequisite for Math 152 (Calculus I). You will not get credit for this course if you have already taken MATH 115 and MATH 116.

Instructor: Prof. Thomas Roman

Phone: Office: (860) 832-2941
Math Dept. Office: (860) 832-2835

Email: roman@ccsu.edu (the best way to reach me)

Office: Marcus White 314
Office Hours: TTH: 3:20 - 4:20 (except on days when I have meetings); W: 1:00 – 4:00

Textbook:

You have two options for purchasing the book:

OPTION # 1:
We have had a custom version of the Axler book published for this course to reduce the price. The custom text is entitled PreCalculus with Trigonometry CCSU, 2nd Edition, by Stephen Axler, and is packaged with the accompanying WileyPLUS code. The Wiley-Plus code is a requirement for the course. The bundle of the text plus code (ISBN 9781118970249) is available in the CCSU bookstore. As a note, the custom text is in black and white, but the Wiley Plus code contains the entire online text in color. Bookstore Price = $126.20 for bundle: Wiley Plus custom text + Wiley Plus code. Note: if you are retaking the class you do not have to purchase another code; you can use your old one.

OPTION # 2:
Since WileyPLUS includes a full online eBook, you may want to purchase just the WileyPLUS access code if you are comfortable not having a physical book. You may purchase the WileyPLUS code alone. If you choose this option, it’s cheaper if you buy the code alone directly from Wiley-Plus: $92.50 at www.wileyplus.com/buy. This is only slightly cheaper than the custom book plus WP code. Alternately, if you have purchased a used textbook, you
will STILL need to purchase the WileyPLUS code since the Wiley-Plus code is a requirement for the course. So, all things considered, option #1 is by and large the better deal.

(For further information regarding Wiley-Plus, contact Stella Hillegass [shillegass@wiley.com])

Coverage: I plan to cover Chaps. 1 – 5, and 6.1 of the textbook.

Class Meeting Times: This class meets for 150 minutes of instruction per week:
Time: TTH 1:40 – 3:20 ; Place: Social Sciences Hall RM 211.

Course Requirements: Attend and participate in class regularly; read the book and complete homework assignments and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class.

For a 4-credit math class, the expectation is at least 8 hours per week outside of class.

Calculator Use: Graphing calculators are required for Math 119. The allowed calculators are the TI-82, TI-83, and TI-84, and I will be using one of these in class. Note: TI-89 calculators are not allowed to be used in this course. The allowed calculators above are the same ones allowed by several other instructors as well. (Remember too that your calculator should be a tool, and not a crutch.)

Electronic Devices Policy: Cell phones, laptops, MP3’s, PDA’s, or any form of personal electronic or communication devices, are not to be used during class, or exams unless special accommodations are necessary.

Classroom Etiquette: Please avoid behaviors that are disrespectful to myself or to your classmates. This includes, but is not limited to arriving late, talking while I’m talking, simply walking out in the middle of class, allowing your cell phone to ring in class, playing with your cell phone, texting while in class, listening to head phones, etc. If you do any of these things, I will give you one warning. If I have to give you a second warning, I will ask you to leave the classroom. Also, if you make blatantly disrespectful comments toward me, I may ask you to leave the classroom and/or subject you to disciplinary action. This behavior I will not tolerate.

University Policies:

1. You must take the final exam at the time specified in the course selection book, which for this section is Thurs. May 12, 2 - 4.

2. Please contact me immediately privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services before I can arrange your class accommodations. Contact
Student Disability Services, Willard Hall RM 101-04 immediately if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty. My telephone numbers and office hours are given above.

3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message.”

4. **The last day to drop a course is April 18.** Until this time, students may withdraw from the course by completing a withdrawal form, available in the Enrollment Center, in Willard Hall. During this period approvals for withdrawal are not required. However, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center, are not considered official notice of a student’s intention to drop the course. **After April 18, withdrawals require approval of the course instructor. I will not sign withdrawal forms after this date!** (Except under extreme extenuating circumstances. Note that I do not consider “doing poorly in the course” as extenuating circumstances.)

5. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at [http://www.ccsu.edu/AcademicIntegrity/](http://www.ccsu.edu/AcademicIntegrity/). This policy is rigorously enforced by the Department of Mathematical Sciences.

**Resources Available:**

1. If you need help, **take advantage of my office hours. That is what they are for. Do not wait until just before the first (or second!) test to do so.** You should come and see me as soon as you are having any difficulty in the course. Bring all your homework with you so that I can see where you are having trouble. I view your seeking help as a sign of effort in the course, not as a sign of weakness. Some of my best students have been frequent visitors to office hours for help on homework. **Office Hour Use and Etiquette:** If you need extra help, but absolutely cannot make any of the listed office hours, you can make an appointment with me by e-mail. You can also go to the Learning Center located in Willard Hall RM 101. A schedule for hours the Center is open will be posted soon after the beginning of the semester. I will always be happy to answer your questions in office hours; however, you must come prepared. In other words, you should have read over your notes and made serious attempts on the homework. If you find you are having problems and not understanding the material, the first question you should ask yourself (and I will ask you) is, “Am I putting in my 8 hours?”

2. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.

3. A list of private tutors for hire is available in the math department office, Room 107 Marcus White, 832-2835.
 NOTE: I do not use Banner or Wiley-Plus to post things. Items like exam solutions, practice problems, etc. will always be posted on my Math Dept. homepage, under “Class Resources”, which you can find at:

http://www.math.ccsu.edu/hive/faculty/res/roman.html

Evaluation

Minimum averages have been established for each of these grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Average</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>93%</td>
</tr>
<tr>
<td>A-</td>
<td>90%</td>
</tr>
<tr>
<td>B+</td>
<td>87%</td>
</tr>
<tr>
<td>B</td>
<td>83%</td>
</tr>
<tr>
<td>B-</td>
<td>80%</td>
</tr>
<tr>
<td>C+</td>
<td>77%</td>
</tr>
<tr>
<td>C</td>
<td>73%</td>
</tr>
<tr>
<td>C-</td>
<td>70%</td>
</tr>
<tr>
<td>D+</td>
<td>67%</td>
</tr>
<tr>
<td>D</td>
<td>63%</td>
</tr>
<tr>
<td>D-</td>
<td>60%</td>
</tr>
</tbody>
</table>

The average for the course will be based on the following weights:

- **Three exams**: (highest exam score weighted 30%, second highest weighted 20%, lowest score weighted 10%) 60%
- **Online Homework** 20%
- **Cumulative Final** 20%
- **Total** 100%

**Three exams**: the three exams count 60%, but are weighted in your favor according to the following scheme: your highest score is weighted 30%, second highest weighted 20%, lowest score weighted 10%. Be aware that the exams will get progressively harder, because the material gets harder as we go along. The exams will consist of a part without use of the calculator, as well as a calculator part. No formula sheets will be allowed or provided on Exams I and II. A formula sheet will be provided on Exam III and on the final. **Note:** In order to receive the grade of C- or better for the course, you must receive the grade of at least 60% on the final exam. This is a minimum requirement for a C- (i.e., it is not a guarantee for a C-).**

Note: Because of the way I weight the exams, I do not give “extra credit”. For the same reason, I do not “curve” the exams, e.g., if the class average is 55, 55 does not become a “C”.

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Homework: Homework will be assigned for every covered section, usually at every class period. The HW problems will be graded online (through Wiley Plus; see more about accessing it below). You WILL be able to print out the HW and work it out on paper, but you MUST enter your answers online. You will have three attempts for each question; a link to the appropriate section in the textbook will show up after the first attempt and a hint will show up after the second attempt. The full solution will be revealed if your third attempt is still incorrect. You also have the option of doing the problems a few at a time (your work can be saved for later), and you may work together if you choose. Note that many of the questions may have different values for each student! Also, the question may change values after each attempt. Late homework will receive a score reduced by 20% (just the questions that are answered after the deadline).

Doing the HW is one of the essential ingredients for passing the course. To do the homework means to write it out carefully in a logical manner, not just to look it over or read over the solutions. Remember that on the exams you will be required to justify your answers, i.e., show your work. Therefore write a complete justification for every problem; don’t just guess the correct choice.

Doing the homework is a minimum condition for being able to pass the exams!

Wiley Plus Access: To register and access your online account, do the following:

- See the instructions for two possible ways to register on the following two pages.
  
  PLEASE MAKE SURE THAT YOU ARE REGISTERING FOR THE CORRECT INSTRUCTOR, TIME, AND SECTION before you register.

- Click on “Assignments” to start an assignment, or “Gradebook” to view your grades up to the current time.

- For extra help, click on “Read, Study, Practice”. There you will find links to the textbook as well as practice problem sets (ungraded).
For help with registering, go to \url{http://www.wiley.com/college/twomin/stu/register.html}. Once registered, you can obtain additional support at \url{www.wileyplus.com/support} for live chat and \url{www.wileyplus.com/studentfdoc} for additional resources.

If you miss a class, you are responsible for all notes, announcements, etc. that are given during class time. Here’s what to do if you do miss a class:

- Contact one of your classmates so that you can find out what you have missed and get the notes.
- Read over those notes and the sections from the book that you have missed.
- Attempt the homework on that section.
- Come to see me to discuss any points on which you are still stuck.

While I am more than happy to aid you in understanding what you have missed, you should not expect that I will recreate the lecture for you in office hours. You should thus make sure you have taken the above steps before coming.

**Course pacing:** In order to cover the material necessary to prepare you for Calculus, I must, unfortunately, have to move very, very fast. It is up to you to adjust your personal pacing accordingly, although I know that won’t be easy for you. Although I will try to answer as many questions as I can in class, be aware that I cannot “slow the course down” and still cover the material you will need to know for the final exam and for your Calculus class. **Since the number of HW questions I will have time to answer in class will be rather limited, you should be proactive, and use my office hours to come in with questions about HW (or any other questions of course) if you need to.** Use my office hours to come in for extra help. Be smart and come in for help as soon as you are having trouble.

**Schedule of Important Dates:**

(Very) Tentative Exam Dates:
- Exam I: Thurs. Feb. 18; Exam II: Thurs. March 31; Exam III: Tues. April 26;
- Final (fixed date): Thurs. May 12, 2-4.
- Last drop date: April 18 (This is the last day to drop without the my approval.)

**Absence from Exams:** NO MAKE-UP EXAMS WILL BE GIVEN. If you miss an exam due to an *excused* absence, your final exam grade will be counted twice (once for the excused absence, and once for the final exam grade). **Everyone must take every test, unless you have an excused absence. If you simply “skip” a test, you fail the course!!**

**Definition of Excused Absence:** An absence from an exam is excused if you contact the instructor in person or by telephone PRIOR to the exam and state the reason for your absence (e.g., sickness, death in the family). The reason has to be confirmed later in writing (e.g., in the case of sickness, by a doctor or a hospital or the CCSU infirmary).

**Note:** Insufficient preparation for an exam is NOT a reason for absence.
Welcome to WileyPLUS

WileyPLUS is an online learning environment that helps you to know (1) what to do (2) how to do it and (3) if you’re doing it right! With WileyPLUS, you get:

- The complete online textbook!
- Extra study aids!
- 24/7 accessibility!

+ Instant Feedback!
+ Track your own progress!
+ Much, much, more...

Registration Code Savings!

You will need a registration code to access WileyPLUS. It’s your choice to buy it with or without the printed text:

- Use the online version of your text in WileyPLUS, go to: www.wileyplus.com and save! You will be presented with the option to buy WileyPLUS when registering.
- Buy the new, printed text in the bookstore and a WileyPLUS access code will be included. DO NOT THROW THIS AWAY!

Note: If you purchase a used book you’ll still need to buy a WileyPLUS code. The above options are the most cost efficient.

Getting Started - Course Finder

1. If you don’t have a class section URL from your instructor, begin by navigating to www.wileyplus.com and click Get Started in the Students section of the homepage. The Course Finder page will display.

2. Enter school name in the search field, click the name of your school when it appears and click Find.
3. Here you have the ability to search for your class section by course or instructor
4. Once you find your course in the list, click the Plus sign next to the course name. Next you’ll see a list of class section names, along with assigned instructors, terms, and meeting times.
5. To choose the class that you would like to register for, click the green Select button.
6. If you have used WileyPLUS before and already have an account, enter e-mail address and password and click log in. If you do not have a WileyPLUS account, click Create Account.

Need Help?

Login: www.wileyplus.com
LIVE CHAT! Technical Support: www.wileyplus.com/support
Additional Resources: www.wileyplus.com/studentfdoc
Find and register for this course:

**Step 1**
Find your course
- Visit www.WileyPLUS.com
- Enter your course ID, 490162

**Step 2**
Register and get access to the course materials

**Option A**
Enter Your Registration Code
All new textbooks come packaged with a registration code in a sealed envelope. E-text access is included.

**Option B**
Purchase Instant Access
If you don't have a registration code, you can pay for access right there on the website. E-text access is included.

**Option C**
Grace Period
If you're not ready to buy, you can try the course free with full access for two weeks, free. E-text access is included.

**Need Help?**
WileyPLUS Help
Live chat support: www.wileyplus.com/support
Common Questions: How to fix common problems

Top 10 WileyPLUS Student FAQs

http://wileyplus.custhelp.com/app/answers/detail/a_id/7244/related/1

Clearing Internet Cache for Web Browser

http://wileyplus.custhelp.com/app/answers/detail/a_id/7531

Turning Off Pop-Up Blocker for an Internet Browser

http://wileyplus.custhelp.com/app/answers/detail/a_id/12148/related/1

WileyPLUS - "Session No Longer Active" or "Timeout" Message During Login

http://wileyplus.custhelp.com/app/answers/detail/a_id/1422/related/1

WileyPLUS - "Session No Longer Active" or "Timeout" Message while Working

http://wileyplus.custhelp.com/app/answers/detail/a_id/1423/related/1