

SYLLABUS

CALCULUS, MATH 251.011, SPRING 2020

- INSTRUCTOR:** Dr. Krzysztof Chris Ciesielski
- OFFICE HOURS:** T, Th 4:00-5:15 pm and by appointment
- OFFICE:** 308G Armstrong Hall
- CLASS MEETING TIMES:** T, Th 5:30-7:10 pm
- CLASS MEETING PLACE:** 125 Brooks Hall
- OFFICE PHONE NUMBER:** 293-4367
- INSTRUCTOR'S PAGE:** <http://math.wvu.edu/~kciesiel/>
- CLASS PAGE:** <http://math.wvu.edu/~kciesiel/teach/current/CurrentTeaching.html>
- TEXTBOOKS:** *Linear Algebra Notes* distributed in class and on class page
Linear Algebra Notes by J. Moseley, <http://math.wvu.edu/~moseley/LinearAlgebra.htm>
Calculus – Early Transcendentals, Eight edition, by James Stewart, Cengage Learning
- GRADING:** Quizzes (~10-15 points each) 10%
4 tests (100 points each) + final test 90%
- ATTENDANCE POLICY:** Attendance will be checked daily. Each student is allowed **up to two unexcused absences**. A third absence will result in the loss of one letter grade.
- CHEAT SHEET:** About one week before each test, I will **provide** you with both a sample test and a paper on which you may **hand write** formulas you may need for the test. This cheat sheet will then be collected along with your test after each test session.
- DROPPING TEST SCORES:** Four tests will be given throughout the semester before the final. Each of these four tests and the final are graded out of 100 points. At the end of the semester the amount of test points used towards your course grade will be calculated using the formula:
$$\text{Test \#1 Score} + \text{Test \#2 Score} + \text{Test \#3 Score} + \text{Test \#4 Score} + 1.5 * \text{Final Test Score} - \text{the lowest test score you received}$$
So, if your final test score is the lowest among all tests, your semester test points score will be the half of this score plus the sum of all other tests; otherwise, your final test score will be $1.5 * \text{Final Test Score}$ plus the sum of the other three best scores.
In addition, your course score will be capped by the number: 20pts+“Final Test Score”.
- NO MAKE-UPS!** *I do not give any make-ups!*¹ If you miss a test, the test score of 0 will be dropped according the rule described above.
- QUIZZES:** There will be 5 to 8 15-minutes quizzes. After the linear algebra, all exercises will be chosen from the odd number exercises in the *Calculus* text. There will be **no make-up quizzes** and no formula sheets of any kind will be allowed on quizzes.
- GRADING SCALE:**
- | | |
|---|-----------|
| A | 90-100% |
| B | 80-89% |
| C | 70-79% |
| D | 60-69% |
| F | below 60% |

FINAL EXAM: The cumulative final exam will be on Monday, May 4, 8:00-10:00am.

West Virginia University is committed to social justice. I concur with that commitment and expect to maintain a positive learning environment based upon communication, mutual respect, and non-discrimination. Our University does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, color or national origin. Any suggestions as to how to further stimulate such a positive and open environment in this class will be appreciated and given serious consideration.

¹There are some cases in which you have the right to request a make-up test. However, if you choose so, you will lose your “drop-the-worst-score” privilege. In this case, I will count **all the tests** (including make-up test), the remaining regular tests, and the final, add their scores (with the maximum possible sum equal to 550) and the result will be prorated. In any rate, the reasons for make-up test must be well documented, and the make-up test will be given during **last week of classes**.

Homework assignments for Math 251.011 Spring 2020
From *Calculus – Early Transcendentals*, Eight edition, by James Stewart

<u>Section</u>	<u>Problems</u>
12.1	13-38 odd
12.2	9-28 odd
12.3	1-30 odd
12.4	1-38 odd
12.5	2-40 odd
12.6	3-38 odd
13.1	1-20 odd
13.2	9-40 odd
13.3	1-25 odd
13.4	3-18 odd
14.1	13-31 odd
14.2	5-38 odd
14.3	11-70 odd
14.4	1-16 odd
14.5	1-24 odd
14.6	4-26 odd
14.7	5-52 odd
14.8	none
15.1	9-44 odd
15.2	1-32, 45-56 odd
15.3	7-32 odd
15.4	3-10 odd
15.5*	1-24 odd
15.6	3-22, 27-32 odd
15.7	17-30 odd
15.8	21-43 odd
15.9	none
16.1	1-10, 21-25 odd
16.2	1-22 odd
16.3	1-24 odd
16.4	1-14 odd

SYLLABUS: **Online instructions**

CALCULUS, MATH 251.011, SPRING 2020, mid-March additions

As you certainly know, due to Coronavirus situation, the spring break in WVU was extended to two weeks. More precisely, classroom instruction is suspended the week of March 23-27, with classes resuming online on March 30. You certainly wonder what to expect from the online instruction period. Although nothing is completely certain, here what I expect and will plan for.

- 1) I expect that the regular classes will not resume before end of semester. That is, we will need to finish this semester in the online mode. I expect all course instructions and communications will be channeled through e-campus.
- 2) I will not give you any more quizzes, though I may decide to give you some homework problems instead.
- 3) Test #4 is planned for being administered on Thursday, April 23. Final on Monday, May 4. They will be in an online proctored format. Hopefully, during the times as originally planned, that is, during the regular class time for Test 4 and from 8:00am to 10am for the final test. Grading policy remains unchanged.
- 4) So far, during the regular teaching that ended on March 12, we have covered all sections as planned, up to, including, section 15.4 *Applications of Double Integrals*. This last section, 15.4, will not be emphasized on the remaining tests.
- 5) Sections 15.5 and 15.9 will not be covered.
- 6) In the remainder of the semester we will cover, via instruction online, sections:
 - a) 15.6 Triple Integrals
 - b) 15.7 Triple Integrals in Cylindrical Coordinates
 - c) 15.8 Triple Integrals in Spherical Coordinates
 - d) 16.1 Vector Fields
 - e) 16.2 Line Integrals
 - f) 16.3 The Fundamental Theorem for Line Integrals
 - g) 16.4 Green's Theorem
- 7) The above material, a)-g), will be covered during the three weeks of March 30 through April 17. The class of April 21 is expected to be review for Test #4. The class of April 23 is reserved for Test #4. The week of April 27- May 1 will be used for the final test review.
- 8) The use of formula sheets will still be allowed during the remaining tests.
- 9) I plan to be available on line for questions on Tuesdays and Thursdays, during the regular class time meetings and, probably, an hour earlier each time. (I am not sure yet in what format.) I also like to encourage you to e-mail me any questions you have. Use either my mix mail: kciesiel@mix.wvu.edu or kcies@math.wvu.edu mail.