MTH 265—Calculus III Syllabus

Instructor: Dr. Pablo Chalmeta
Email: pchalmeta@nr.edu
Office: 48 Godbey (Mall 115A)
Phone: 674-3600 ext. 4266 OR ext. 4115
Homepage: http://www.nr.edu/chalmeta/
Office Hours: http://www.nr.edu/chalmeta/schedule.html

Instructional Materials:

Textbook: James Stewart, Calculus Early Transcendentals, 8th Ed., Brooks/Cole, 2016, ISBN: 987-0-285-74155-0
WebAssign: Class Key: **nr 7575 6034** (Fall 2018)

Homework and Quizzes

Giving your best effort on homework is the single best thing you can do to help you learn mathematics. The homework is collected through the WebAssign software. There will be at least one quiz every week. The quiz will consist of book homework assigned the previous class OR a topic covered in class that day.

Evaluation Criteria and Grading Scale

The grade for this course will be derived from four (4) tests, WebAssign homework, Quizzes, a presentation, and a final. There will be no make-up tests. The final exam grade will be substituted for the lowest test grade if it improves your average.

4 Tests	60%
Homework	10%
Quizzes	10%
Final Exam	20%

Letter grades will be assigned based on your final percentage as follows:

90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
0 – 59 = F

Note: I do not curve grades. I do not "give" grades. You earn what you get, so plan to work accordingly.

Evacuation Procedure

Evacuation Procedure: Please note the evacuation route posted at the classroom doorway. Two routes are marked in case one route might be blocked.

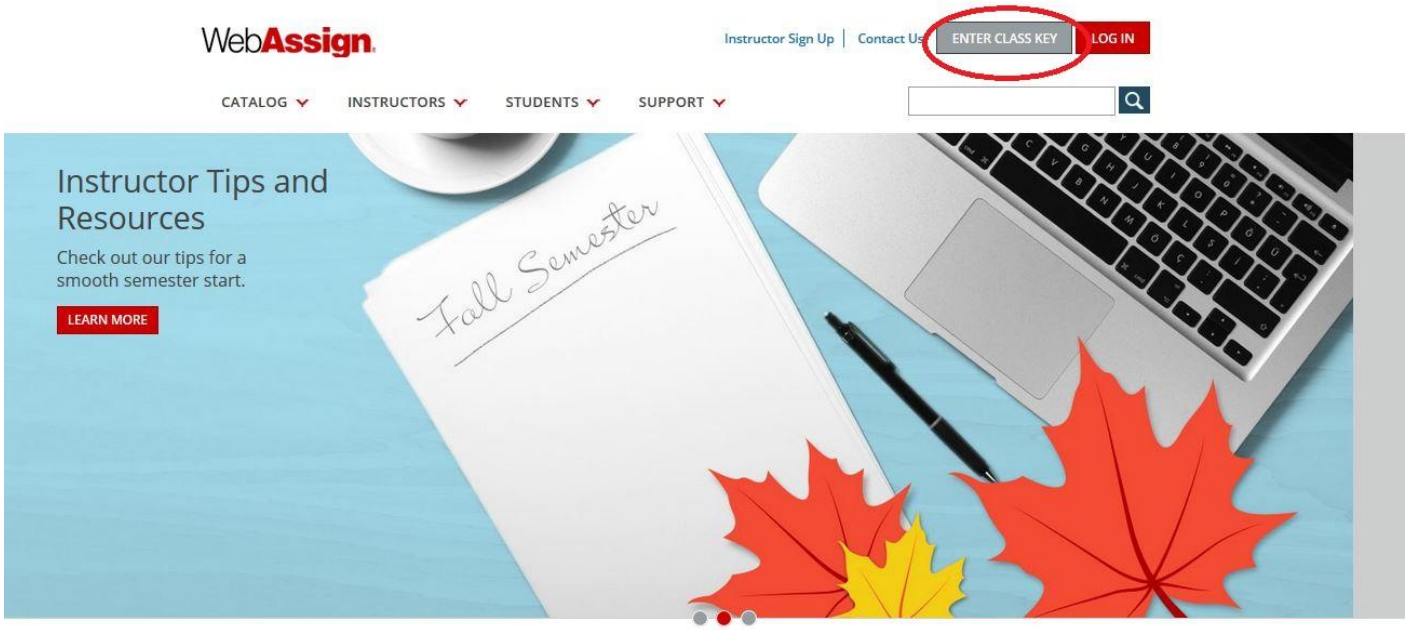
Email Policy

If you send me an e-mail always use your NRCC issued email address. Be sure that your email client includes your name in the header. You should always include a **descriptive** subject line. Please remember to use complete sentences and follow the rules of grammar. The Purdue OWL website (click) has excellent information about creating a professional email. I communicate through email to your NRCC issued address. I WILL NOT be sending email to any other address you have. I do reply to email within 24 hours during the week. Weekends may be longer.

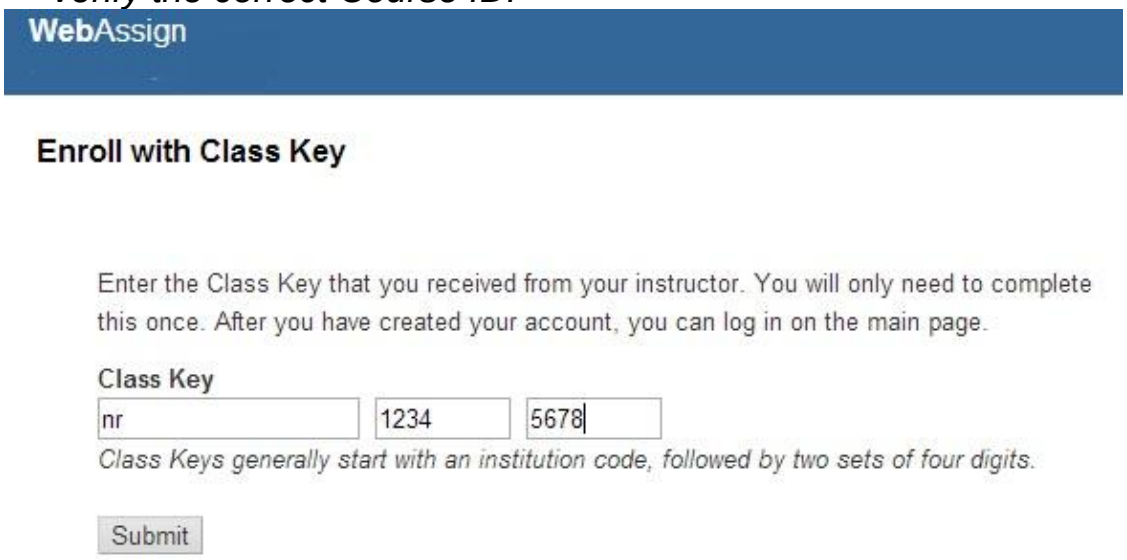
Student Registration:

1. Enter http://www.webassign.net/ in your Web Browser.

2. On the right side at the top select **Enter Class Key**.

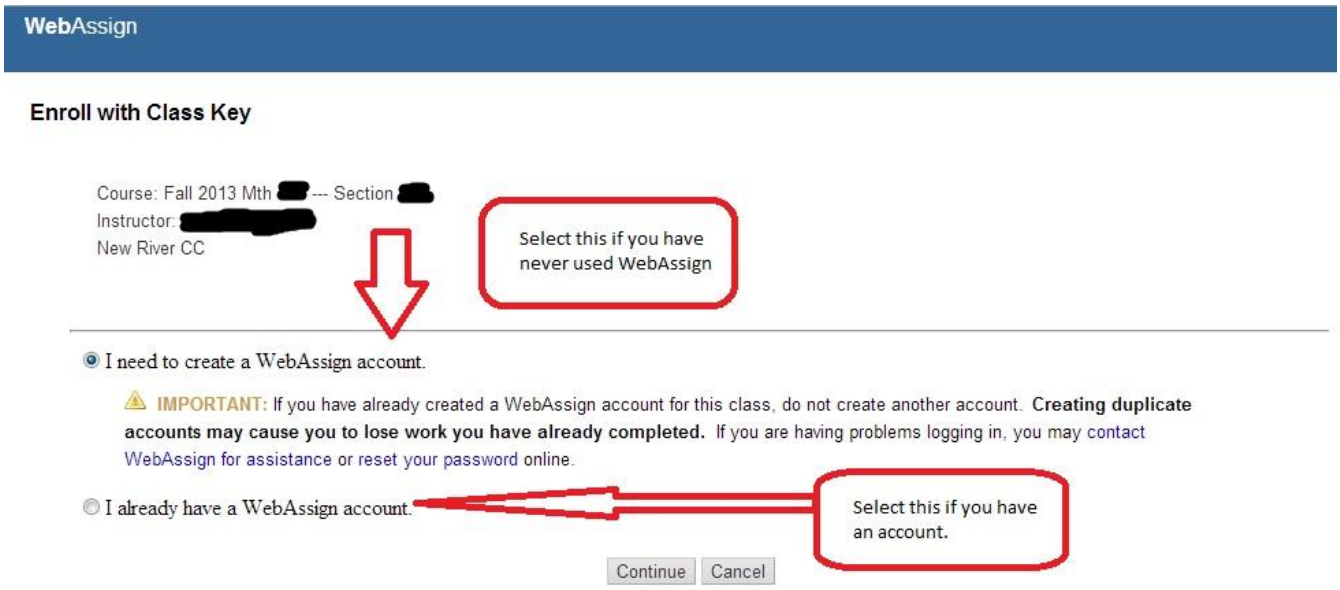


3. Enter your **Class Key** exactly as provided by your instructor (See Page 1) and click "Continue**.**" *Your course information should appear. If not, contact your instructor to verify the correct Course ID.*



4. Select "Yes, this is my class"

5. Follow the directions to create an account for yourself. You MUST use your New River email account.



6. After entering your information select "**Create My Account."**

Section	Topic	Problems *--Set-up Only
12.1	Three Dimensional coordinate systems	pg. 796 - #6, 7, 12bf, 15, 18, 31 (and sketch), 34 (and sketch), 38 (and sketch), 40, 45
12.2	Vectors	pg. 805 - #5bdf, 21, 26, 27, 29, 31, 34, 37, 40
12.3	Dot Product	pg. 812 #4, 9, 17, 24, 43, 49, 51, 52
12.4	Cross Product	pg. 821 #1, 8, 15, 20, 27, 32, 39, 41, 45a
12.5	Lines/Planes	pg. 831 # 3, 4, 5, 7, 12, 13, 16, 26, 27, 33, 48, 58a, 72
12.6	Cylinders and Quadratic Surfaces	pg 839 #1(a)(b), 4, 5, 6, 9, 11, 12, 15-18, 21-28, 37, 38, 43, 44
14.1	Functions of Several Variables	pg 899 # c, 10c, 13, 16 (also find range), 21, 22 (also find range), 25 (first octant), 28, 30, 45, 48, 61-63
14.2	Limits and Continuity	pg 910 # 6, 8, 9, 14, 17, 18, 37-39, 41
14.3	Partial Derivatives	pg 923 # 3ab, 5, 18, 22, 25, 32, 41, 48, 57, 62, 64
14.4	Tangent Planes and Linear Approximations	pg 934 # 1, 4, 11, 12, 21, 22, 32, 33, 37, 38
14.5	Chain Rule	pg 943 # 5, 10, 13, 14, 16, 24, 27, 34, 35, 38, 39b, 40
14.6	Directional Derivatives and Gradients	pg 956 # 1, 10, 15, 19, 24, 27, 33, 35, 41, 46a, 50
15.1	Double Integrals Over Rectangles	pg 999 #3b, 10, 12, 15, 18, 29, 33, 35, 42
15.2	Double Integrals Over general regions	pg 1008 #15, 16, 31 (setup only), 40, 46, 48, 51, 54, 32, 39
15.3	Polar Coordinates	pg 1014 #6 (sketch only), 8, 9, 22, 31 (setup only), 32, 39 (setup only)
15.4	Applications of Double Integrals	pg 1024 #6, 8 (setup only), 13, 16 (setup only)
15.6	Triple Integrals	pg 1037 # 5, 16-19 (setup only), 27, 28, 31, 34, 35 (setup *dxdydz* only), 47ab
15.7	Cylindrical Coordinates	pg #1043 #2a, 3a, 11, 12, 17, 19 (setup cylindrical only), 22 (setup cylindrical only), 27, 30 (setup cylindrical only)
15.8	Spherical Coordinates	pg 1049 #2a, 3a, 7, 8, 20 (setup spherical only), 21, 23 (setup spherical only), 29, 30 (setup spherical only), 41, 43 (setup spherical only)
14.7	Optimization	pg 967 # 2, 6, 9, 11, 12, 32, 33, 36
14.8	Lagrange Multipliers	pg 977 # 4, 5, 7, 12, 17, 22, 32, 39, 45
13.1	Vector Funcitons and Space Curves	pg. 853 # 1, 3, 8 - 11, 15, 18, 21, 22, 32, 44, 49, 50
13.2	Derivatives and Integrals of Vector Functions	pg. 860 # 3, 8, 17, 21, 26, 34, 37, 42
13.3	Arc Length and Curvature	pg. 868 # 1, 2, 11, 15, 17, 21, 24, 27, 32, 48, 49
13.4	Motion in Space	pg. 878 # 3, 4, 5, 8, 16, 24, 25, 28, 31, 39, 42
Final Exam		