MATH 171: Calculus I
Summer 2020 – Section 02

Instructor: Dylan H. Nye  Email: dylan.hull-nye@wsu.edu
Office: In the Cloud  Office Hours: M W F 10:25 AM – 11:10 AM
TA: Justice Nii-Ayitey  Email: justice.nii-ayitey@wsu.edu

TA Office Hours (MLC): M W 10:00 AM – 2:00 PM

**Can also email us questions or email to set up quick Zoom appointment

Lecture Schedule (Zoom): M T W TH F 9:10 AM – 10:25 AM
Lab Schedule (Zoom): T TH 10:30 AM – 1:10 PM

Course Prerequisites: Equivalent of Pre-Calculus

Required Materials:

- Access to ZOOM with camera and microphone
- Graphing Calculator: either hand-held or online such as DESMOS
- Ream of Blank white printer paper (no lined paper) OR Tablet/iPad


Grading Scheme:

<table>
<thead>
<tr>
<th>participation</th>
<th>10%</th>
<th>100 points</th>
</tr>
</thead>
<tbody>
<tr>
<td>homework</td>
<td>30%</td>
<td>7 @100 pts each</td>
</tr>
<tr>
<td>take home exam 1</td>
<td>20%</td>
<td>100 points</td>
</tr>
<tr>
<td>take home exam 2</td>
<td>20%</td>
<td>100 points</td>
</tr>
<tr>
<td>take home exam 3</td>
<td>20%</td>
<td>100 points</td>
</tr>
</tbody>
</table>

*1 Lowest Homework dropped in Canvas at the end of the course.

\[\begin{array}{l}
A- = 90-93\%, \; A = 93-100\% \\
B- = 80-83\%, \; B = 83-87\%, \; B+ = 87-90\% \\
C- = 70-73\%, \; C = 73-77\%, \; C+ = 77-80\% \\
D = 60-65\%, \; D+ = 65-70\%
\end{array}\]
Policies:

Late Work: No late work. If you are sick, you must email me, and the deadlines still hold.

HW/Exam Solutions: All of your solutions must be written on blank white printer paper (or electronic Tablet/iPad) uploaded one problem at a time. Start a new problem on a new page. You must always show all your work, every step.

ZOOM: You must be logged in the entire session, video on, and active to count towards your Participation grade during all Lectures and Lab sessions (keep mic off until asking a question). I will examine the full attendance records at the end of the term and determine your grade.

Take Home Exams:
I encourage the use of DESMOS online calculator/graphing or hand-held calculators and the Formula Sheets provided on Canvas. You should not be using any other resources, including consulting others for answers or online help. The tools from the course are all you should use. Since Exams are Take Home, they will be substantially more difficult and require conceptual understanding and application of what is learned. Please upload one Exam problem at a time, thus starting each problem on a new page (just like Homework). You must upload all of the exam problems by the due date. No exceptions. It would be best not to procrastinate, as I am not giving extra Exam time. Two whole days is more than enough.

Schedule (Tentative):

Week 1: Intro to the Infinitesimal, The Derivative, Derivative Rules, Rates of Change
Week 2: Rates of Change, Log/Exp Derivatives, Trig Derivatives, Inverse Trig Derivatives
Week 3: Critical Points, First and Second Derivative Tests, Concavity, Optimization, Continuity/Mean Value Theorem
Week 4: The Integral, Trapezoid Sums, Antiderivatives, Fundamental Theorem of Calculus
Week 5: FTOC, more difficult Integrals, u-substitution, Application of Integral
Week 6: Limit Notation, Limit Techniques/Infinite Limits, L’Hopital’s Rule, Definition of Derivative and Proofs of Major functions

**HW/Take Home Schedule will be posted on Canvas**
Free Tutoring at the Math Learning Center:  
http://www.math.wsu.edu/studyhalls/welcome.php

Expectation for Student Effort:
A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than: (1) one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester.

WSU Reasonable Accommodation Statement
Students with Disabilities: Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center or Disability Services to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center or Disability Services. Contact information for a Disability Specialist in the Pullman campus is given below.

Pullman Campus: 509-335-3417, Washington Building 217  
http://accesscenter.wsu.edu, Access.Center@wsu.edu

WSU Academic Integrity Statement
Academic integrity is the cornerstone of higher education. As such, all members of the university community share responsibility for maintaining and promoting the principles of integrity in all activities, including academic integrity and honest scholarship. Academic integrity will be strongly enforced in this course. Students who violate WSU’s Academic Integrity Policy (identified in Washington Administrative Code (WAC) 504-26-010(3) and -404) will receive a failing grade in the relevant homework or exam, will not have the option to withdraw from the course pending an appeal, and will be reported to the Office of Student Conduct.

Cheating includes, but is not limited to, plagiarism and unauthorized collaboration as defined in the Standards of Conduct for Students, WAC 504-26-010(3). You need to read and understand all of the definitions of cheating: http://app.leg.wa.gov/WAC/default.aspx?cite=504-26-010. If you have any questions about what is and is not allowed in this course, you should ask course instructors before proceeding.

If you wish to appeal a faculty member’s decision relating to academic integrity, please use the form available at conduct.wsu.edu.

Classroom Safety Statement
Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the “Alert, Assess, Act,” protocol for all types of emergencies and the "Run, Hide, Fight” response for an active shooter incident. Remain ALERT (through direct observation or emergency notification), ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able).

Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI’s Run, Hide, Fight video and visit the WSU safety portal.