**Math 140 – Calculus with Analytic Geometry I**  
Penn State Altoona  
Summer 2016

**Instructor:** Dr. Donald Larson  
**Office:** 102 Hawthorn  
**Office Hours:** Mondays and Tuesdays 1:00pm-2:00pm and by appointment  
**Email:** dml34@psu.edu  
**Webpage:** [http://personal.psu.edu/dml34/140.html](http://personal.psu.edu/dml34/140.html)

**Required Text:** *Calculus Early Transcendentals*, 7th ed., by James Stewart

**Meeting times:** MTWR 8:00-10:15am in 102D Smith Building

**Course content and goals:** We will cover Chapters 2 through 6 of the text. The topics we will cover are: Limits and derivatives; differentiation rules; applications of differentiation; integrals and applications of integration.

**Grades:** The table on the left is the grade breakdown. The table on the right shows how your final grade will be determined numerically.

<table>
<thead>
<tr>
<th>Quizzes*</th>
<th>15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm 1 (Thu 5/19)</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm 2 (Thu 6/2)</td>
<td>25%</td>
</tr>
<tr>
<td>Final (Fri 6/17, 8:00am-9:50am)</td>
<td>35%</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>A or A-</td>
<td>≥ 90</td>
</tr>
<tr>
<td>B+, B, or B-</td>
<td>≥ 80</td>
</tr>
<tr>
<td>C+ or C</td>
<td>≥ 70</td>
</tr>
<tr>
<td>D</td>
<td>≥ 60</td>
</tr>
</tbody>
</table>

*Quizzes (~30 minutes in length) will be given periodically, usually announced a day in advance. No makeup quizzes will be offered; instead, your lowest quiz scores will be dropped. This portion of your grade may also include online homework assignments from Webassign.

**Homework:** You will be provided with a list of suggested exercises from the text. You should work these problems throughout the term and keep pace with what we cover in class. They will not be collected.

**Group work:** On some class days we may spend part of the class time working in small groups (3-5 people). Group work is an opportunity for you to learn from your peers, and can be very effective.

**Academic integrity:** Cases of academic dishonesty—cheating, plagiarism, fraud, etc.—will be dealt with harshly. Consequences for such behavior may include receiving a failing grade on an exam or in the course; in more serious cases, academic dishonesty may result in permanent expulsion from the University. For additional details, see *The Student Guide to University Policies and Rules*.

**Prerequisites:** Math 022 and Math 026; or Math 040; or Math 041; or satisfactory placement on the mathematics proficiency exam. Students who do not meet one of these prerequisites may not take this class.
Calculator policy: Calculators will not be needed or allowed on any quizzes or exams. However, some homework problems may require the use of a calculator.

Key dates:

- **Thursday 5/12** is the Regular Drop Deadline.
- **Friday 5/13** is Memorial Day Make Up Day.
- **Thursday 5/19** is Midterm 1 (in class).
- **Monday 5/30** is Memorial Day (no class).
- **Thursday 6/2** is Midterm 2 (in class).
- **Monday 6/6** I will be out of town (no class — we may make this up on a Friday).
- **Wednesday 6/8** is the Late Drop Deadline.
- **Thursday 6/16** is the Last Day of Class.
- **Friday 6/17** is the Final Exam (during normal class time).

Class cancellations: In the event of snow or other inclement weather, please visit the following web site for information about any delays or closings of the campus:

http://www.altoona.psu.edu/now/cancel.asp

Note to students with disabilities: Penn State welcomes students with disabilities into its educational programs. If you have a disability-related need for modifications or reasonable accommodations in this course, please contact the Health & Wellness Center, Disability Services, located in the Sheetz Family Health Center. For more information, call 814-949-5540 or visit the Disability Services web site at http://www.altoona.psu.edu/healthwellness. Your instructors should be notified as early in the semester as possible regarding the need for modifications or reasonable accommodations.

Advice:

- Attend class.
- Read the textbook *actively* and work the suggested exercises.
- Ask for help when you need it. In particular, you can try the Learning Resource Center on campus. Their website is http://www.altoona.psu.edu/lrc.
- Your brain is a muscle that can be developed. Success in this course is therefore *not* about talent. It is about hard work and perseverance!

Note: This syllabus is subject to change at any time. Any changes will be announced well in advance in class.
Course outline:

- Mon 5/9 — Introduction, 2.1, 2.2.
- Tue 5/10 — 2.2, 2.3.
- Wed 5/11 — 2.3, 2.5.
- Thu 5/12 — 2.5, 2.6.
- Fri 5/13 — 2.7, 2.8.

- Mon 5/16 — 3.1, 3.2.
- Tue 5/17 — 3.3, 3.4.
- Thu 5/19 — MIDTERM 1.

- Tue 5/24 — 4.1, 4.2.
- Wed 5/25 — 4.2, 4.3.
- Thu 5/26 — 4.4, 4.5.

- Tue 5/31 — 4.7, 4.9.
- Wed 6/1 — 5.1, 5.2.
- Thu 6/2 — MIDTERM 2.

- Tue 6/7 — 5.3, 5.4.
- Wed 6/8 — 5.4, 5.5.
- Thu 6/9 — 5.5.

- Tue 6/14 — 6.2.
- Thu 6/16 — FINAL EXAM REVIEW.
- Fri 6/17 — FINAL EXAM.