General Course Information and Policies (Course-Wide Syllabus)

Description:
Essential Mathematics was created with three specific objectives: (1) To prepare the student for the mathematics encountered in other college courses, particularly core courses in social and natural sciences; (2) To develop the ability to reason with quantitative information in a way that will help the student achieve success in a career; and (3) To provide the critical thinking and quantitative reasoning skills needed to understand major issues in life.

Prerequisites:
To enroll in MATH 1010 a student must score a minimum of 50 on the CMPT or have course credit for any EXST or MATH course with the following exception. This course is not open to students who have credit for MATH 3010, 3020, 3090 or EXST 3010. Students who do not meet prerequisites will not be permitted to remain in the course.

Required Materials:
1. MATH 1010 MyMathLab Access Kit
   ISBN-10: 0321922204

2. A TI-83, TI-83+, TI-84, or TI-84+ calculator is required. Students will not be permitted to use a laptop computer or a cell phone as a substitute for a calculator. Neither a TI-89 nor a TI-Nspire CAS is permitted. Students should bring a calculator to class each meeting.

Optional Materials:

Websites:
https://mthsc.clemson.edu/ug_course_pages/MATH1010 -- This is the URL for the general MATH 1010 course website which includes this syllabus, a daily schedule including instructional objectives, testable skills for the course, keys to exams (to be posted), announcements and other useful information.

http://bb.clemson.edu -- Follow links to your section of MATH 1010 in Blackboard. You are responsible for checking this website and your university e-mail account on a regular basis for announcements and class materials. It is here that your grades will be posted.

http://www.mymathlab.com -- When you register for this website be certain to register as a STUDENT. If you register as an instructor, it will not permit you to turn in any homework. If you have difficulty with MML, you can reach Technical Support by calling (800) 677-6337 or by going to mymathlab.com/contactus.html.

Course Regulations: http://www.registrar.clemson.edu/html/catalog.htm
Please read the information concerning Undergraduate Course Regulations, Academic Integrity, Class Attendance, Midterm Grades, Final Exams, and Posting of Grades found in the Undergraduate Announcements.

"As members of the Clemson University community, we have inherited Thomas Green Clemson’s vision of this institution as a ‘high seminary of learning’. Fundamental to this vision is a mutual commitment to truthfulness, honor and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating or stealing in any form."

Note that work from other past or current courses may not be used to meet the requirements for this course. Also note that giving access to an academic website that requires your password, such as Blackboard, violates the code of student conduct computer use policy.
Learning Outcomes: Upon successful completion of this course, a student can...

- Draw and/or interpret a Venn diagram representing relationships between sets of data.
- Identify, validate, and determine soundness of deductive arguments.
- Convert units, currencies, and temperature. Use unit conversion calculations to determine energy usage and cost.
- Find and interpret absolute and percentage change, difference, or error. Use absolute error to determine accuracy and precision of measurements and measuring devices.
- Use the Consumer Price Index, CPI, to compare prices across different economic climates. Use CPI to find inflation rates.
- Use interest formulas to find present value, future value, loan payments, and returns on investments. Use formula results to compare accounts and calculate savings from accelerated payments on loans.
- Compute federal income tax and benefits associated with tax-deferred savings.
- Identify and interpret statistical studies and associated sample statistics.
- Find the probability of the occurrence of a particular event using theoretical methods and counting techniques.
- Determine the winner of an election by various methods. Analyze and interpret election results.

The above outcomes are evidenced by correct answers to questions in homework, assignments, and exams.

General Education Competency:
All Clemson students must demonstrate achievement of the Gen Ed Competencies listed on pp. 38-39 of the 2015-2016 Undergraduate Announcements. MATH 1010 teaches the Mathematics competency:

Demonstrate mathematical literacy through solving problems, communicating concepts, reasoning mathematically, and applying mathematical or statistical methods, using multiple representations where applicable.

One of the following problems will be used as evidence of the Gen Ed Mathematics competency:

- Compare savings accounts and savings plans with interpretation in context.
- Compare monthly and total payments on loans, calculate interest savings from accelerated payments, and interpret in context.
- Analyze the outcome of an election and/or determine election results using multiple methods of voting or voting analysis.

Within some sections of the course, students will be guided through the upload process of this evidentiary artifact into a repository for General Education Assessment. Each student will be responsible for creating a digital copy of his or her artifact. The creation of the artifact and its successful upload will count as a daily grade. The evaluation of these artifacts, once submitted, will have no effect on students' grades.

Tests and the Final Exam:
The Wednesday evening time slot on the schedule is to block out times for the three common (course-wide) exams. The material to be covered on each exam is specifically outlined in the “Testable Skills” document, located on the course website <https://mthsc.clemson.edu/ug_course_pages/MATH1010>.

Exams are scheduled for 7:30 – 9:00 pm on the following dates.

<table>
<thead>
<tr>
<th>Test 1: February 3</th>
<th>Test 2: March 2</th>
<th>Test 3: April 13</th>
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Absence from a test will result in a grade of zero. In general, make up tests are not given, however, a University-Sanctioned Absence may qualify as an excused absence, and a make-up test may be possible in this case. If a student will be unable to attend a test for such an absence, a request to take the test at a later time must be made no later than 24 hours prior to the scheduled test. Students will have one week from the date exams are handed back to request correction of clerical errors or for grading reconsideration.

The Final Exam is mandatory and comprehensive. Note that no rescheduling of the final exam will be permitted to accommodate travel arrangements.

The Final Exam will be given from 7:00 – 9:30pm on Wednesday, April 27th.
Grading:
Your course average will be computed using the most favorable of the two methods outlined below. The letter grade will be assigned using the course average. No extra credit is possible.

<table>
<thead>
<tr>
<th>Method 1</th>
<th>Method 2</th>
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</thead>
<tbody>
<tr>
<td>3 exams @ 20% each</td>
<td>Best 2 of the 3 exams</td>
</tr>
<tr>
<td>MyMathLab</td>
<td>MyMathLab</td>
</tr>
<tr>
<td>In-Class Daily Grade</td>
<td>In-Class Daily Grade</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Final Exam</td>
</tr>
<tr>
<td>60%</td>
<td>40%</td>
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<tr>
<td>7%</td>
<td>7%</td>
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<tr>
<td>8%</td>
<td>8%</td>
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<td>25%</td>
<td>45%</td>
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<tr>
<td>Total</td>
<td>Total</td>
</tr>
<tr>
<td>100%</td>
<td>100%</td>
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Grading Scale: Over 90% = A; 80 – 90% = B, 70 – 80% = C, 60 – 70 = D, Below 60% = F

Passing Conditions: In order to earn a passing grade, a student must meet BOTH of the criteria below:

1) have a Final Course Average of 60% or higher, including the daily and MML grades:

Final Course Average = [.2(T1 + T2 + T3) + .25(F) + .15(D)] or [.2(Ta + Tb) + .45(F) + .15(D)]

Where: T1, T2 and T3 are the scores on the common Wednesday evening tests,
Ta and Tb are the two highest scores on the common Wednesday evening tests,
F is the score on the final exam, and,
D is the daily average grade (comprised of in-class work and MML),

AND (2) meet at least ONE of the following criteria:
• a Weighted Test and Exam Average (excluding daily grades) of 60% or higher

Weighted Test and Exam Average = [.2(T1 + T2 + T3) + .25(F)] or [.2(Ta + Tb) + .45(F)]

• OR a final exam score of 60% or higher.

MyMathLab (7%):
MyMathLab (MML) is a set of on line interactive exercises designed to deepen your understanding of the course material. See your section instructor for MML assignments and due dates.

In-Class Daily Grade (8%):
The in-class daily grade will be comprised of student scores on homework, quizzes, learning activities and projects assigned by the section instructors. See your section instructor for details.

A student who arrives to class unprepared to participate (i.e., without a calculator) will find that his daily grade suffers, as these materials will not be provided for him.

A student who comes to class but engages in activities not pertaining to class (i.e., sleeping, texting, shopping on eBay, studying materials unrelated to class) will find that his daily grade suffers as well, as he may be asked to leave.

Expectations of Students Enrolled in MATH 1010:
Students have the responsibility of mastering the objectives and the individual skills of this course. Resources available to you include your instructor, the recommended homework which corresponds to the testable skills, interaction with on-line homework and course resources and the course Blackboard site. Prior to each class meeting you are expected to read the assigned material in the text and complete any assigned homework from the previous class meeting and/or MyMathLab.
Attendance:
Students are expected to be regular and punctual in your class attendance, and are responsible for all notes, assignments and announcements made in class. Students who have more than 4 absences are subject to being dropped from the course or earning a grade of F. You must provide your instructor with proper documentation for university sanctioned (excused) absences. If the instructor does not arrive in the classroom within 15 minutes after the scheduled start time, class is dismissed for the day. In this event, please call Mrs. Haynes at 656-5224 to report this occurrence.

Any exam that was scheduled at the time of a class cancellation due to inclement weather will be given at the next class meeting unless contacted by the instructor. Any assignments due at the time of a class cancellation due to inclement weather will be due at the next class meeting unless contacted by the instructor. Any extension or postponement of assignments or exams must be granted by the instructor via email or Blackboard within 24 hours of the weather related cancellation.

Student Disability Services:  http://www.clemson.edu/campus-life/campus-services/sds
Students with disabilities requesting accommodations should make an appointment with Dr. Margaret Camp (656-6848), Director of Disability Services, to discuss specific needs within the first month of classes. Students should present a Faculty Accommodation Letter from Student Disability Services when they meet with instructors. Accommodations are not retroactive and new Faculty Accommodation Letters must be presented each semester. This documentation must be presented to your instructor at least one week prior to an exam. Students without documentation will not be given accommodations.

Title IX (Sexual Harassment):  http://www.clemson.edu/campus-life/campus-services/access/title-ix/
Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972. Mr. Jerry Knighton is the Clemson University Title IX Coordinator. He also is the Director of Access and Equity. His office is located at 111 Holtzendorff Hall, 864.656.3181 (voice) or 864.565.0899 (TDD).

Free Tutoring -- Academic Success Center:  http://www.clemson.edu/asc
Tutoring is available for your class for free through the Academic Success Center. Tutoring should be used to discuss course materials and ask questions but not as a replacement for class or office hours. Drop-in sessions will be available weekly in the Academic Success Center Building. Make sure to come to all tutoring sessions fully prepared with your book, notes, and other class materials.

And Finally:
For a successful semester in this or any course it is essential to attend class regularly and to address any questions as soon as they arise. Resolve problems in a timely manner and keep current with all materials in a consistent manner. And: do not underestimate, based on the course number (1010) the value of this course or the effort that will be required to achieve the grade you want. This is not a repeat of any course you will have taken in High School. Rather, it has been designed to serve as a terminal mathematics course for Liberal Arts majors, and contains a great deal of useful information that will serve you well in your adult, post-college years. As with most endeavors, you will get out of this course what you put into it. Best wishes for a successful semester.

Course Coordinator:  Dr. Judith Cottingham, Martin O-214, jecott@clemson.edu, 656-6905.