

SYLLABUS
MATH 115-011: FALL 2014

BLAKE FARMAN
UNIVERSITY OF SOUTH CAROLINA

CONTACT INFORMATION

E-mail: farmanb@math.sc.edu.
Office: LeConte 400A.
Office Hours: Tuesday/Thursday, 2:50 pm - 4:20 pm.

COURSE INFORMATION

Lectures: Monday/Wednesday, 3:55 pm - 5:10 pm in LeConte, Room 101.
Tuesday/Thursday, 4:25 pm - 5:15 pm in LeConte, Room 101.

Learning Outcomes: Upon successful completion of this course, students should be able to:

- Recall basic mathematical terms related to linear, quadratic, exponential, logarithmic, inverse, polynomial, rational, circular, and trigonometric functions and express these terms in correct context;
- Apply the methods of algebra to solve applications involving intercepts, rates of change, inequalities, systems of equations, rational functions, and interest growth;
- Understand trigonometric functions including basic relationships, domain, range, graphs, unit circle, identities including Pythagorean, reciprocal, even-odd identities, and formulas including sum/difference, half-angle, and double-angle formulas.

Pre-Requisites: Qualification through placement.

Text: *Precalculus*, 2nd Custom Edition for the University of South Carolina, Dugopolski, Pearson, 2014. ISBN 9781269748155.

Course Website: <http://people.math.sc.edu/farmanb/115-F14>
Homework, test dates, and other various announcements made in class will also be posted here.

COURSEWORK

Homework: Regular homework assignments will be assigned on MyMathLab. Late work will **not** be accepted, except under extenuating circumstances (see Attendance).

Exams: There will be four in class exams. The exact dates of the exams will be announced in class, but are tentatively scheduled as follows:
Exam 1: Thursday, September 11, 2014,
Exam 2: Thursday, October 2, 2014.
Exam 3: Thursday, October 30, 2014
Exam 4: Tuesday, November 25, 2014

Final Exam: There will be a cumulative final exam on Monday, December 8, 2014 at 4:00 pm.

GRADING

Scale: Grades will be assigned on the following scale:

A: 90-100%,
B: 80-89%,
C: 70-79%,
D: 60-69%,
F: < 60%.

Weights: Final grades will be calculated with the following weights:

Homework: 20%,
Quizzes: 10%,
Exams: 40%,
Final Exam: 30%.

EXPECTATIONS

Academic Integrity: Students are expected to act in accordance with the *University of South Carolina Honor Code*, which can be found here: <http://www.housing.sc.edu/academicintegrity>.

Attendance: See <http://bulletin.sc.edu/content.php?catoid=36&navoid=3738>