

**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*, 2<sup>nd</sup> Custom Edition for the University of South Carolina, Dugopolski, Pearson, 2014. ISBN 9781269748155.

**Course Website:** <http://people.math.sc.edu/farmanb/courses/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>