SYLLABUS
MATH 170-002
SPRING 2016

BLAKE FARMAN
UNIVERSITY OF SOUTH CAROLINA

Contact Information

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Office:	LeConte 317N.
Office Hours:	Monday/Wednesday, 3:00 pm - 4:30 pm

Course Information

Lectures:	Monday/Wednesday/Friday, 12:00 pm - 12:50 pm in Callcott Social Sciences Center, Room 101.
Learning Outcomes:	Upon successful completion of this course, students should be able to:

- Utilize matrices for solving systems of equations, applications of systems of equations, matrix addition and scalar multiplication, matrix multiplication, and matrix inversion.
- Solve general linear programming problems graphically and using the simplex method.
- Recall basic definitions related to logic, sets and set operations, cardinality, addition and multiplication principles, permutations and combinations.
- Understand probability concepts including sample spaces and events, relative frequency, modeling, counting techniques, conditional probability and independence, Bayes Theorem and applications, random variables and distributions, Bernoulli trials and binomial random variables, and normal distributions.

Pre-Requisites:	Qualification through placement or a grade of C or better in MATH 111 or 115 Carolina Core: 3ARP.
Text:	*Finite Mathematics*, Stefan Waner and Steven Costenoble, Cengage Learning.ISBN 9781285898513.
Course Website:	http://people.math.sc.edu/farmanb/courses/170/S16/index.html
	Test dates and other various announcements made in class will be posted here.

Coursework

Homework:	Homework assignments will be completed through WebAssign. Homework is expected to be submitted on time. Late work will **not** be accepted, except under extenuating circumstances (see Attendance).
WebAssign:	The Class Key for WebAssign is: **sc 4566 2053**.
Exams:	There will be two in class exams. The exams are tentatively scheduled as follows:
	Exam 1: Friday, February 26, 2016,
	Exam 2: Monday, April 18, 2016.
	There will **not** be any make-up exams. If you miss **one** exam, your final exam grade will replace that missing exam grade. Any further missed exams will result in a grade of zero on those missed exams.
Final Exam:	There will be a 2.5 hour long cumulative final exam on Monday, May 2 at 12:30 p.m. in Callcott Social Sciences Center, room 301. The date and time of the final exam is determined by the registrar and **may not be changed** except under extenuating circumstances. **Scheduling your travel home before the day of the final exam does not constitute a valid excuse for missing the final exam.** Failure to appear at the final exam will result in a zero on the final exam.

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%,
	Exams: 40%,
	Final Exam: 40%.

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:	Students are obligated to complete all assigned work promptly, to attend class regularly, and to participate in whatever class discussion may occur.
	The following events or circumstances are potentially excusable absences:

- participation in an authorized University activity (such as musical performances, academic competitions, or varsity athletic events in which the student plays a formal role in a University sanctioned event),
- required participation in military duties,
- mandatory admission interviews for professional or graduate school which cannot be rescheduled,
- participation in legal proceedings or administrative duties that require a student's presence,
- death or major illness in a students immediate family,
- illness of a dependent family member
- religious holy day if listed on www.interfaithcalendar.org,
- illness that is too severe or contagious for the student to attend class,
- weather-related emergencies.

For more information, see the University Attendance Policy:

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