

# CSCI 520: Computing in Operations Research

Fall, 2017

TR 11:00–12:20      Jones 306

**Instructor:** Larry Leemis

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**Office hours:** Tuesday and Thursday: 2:00 - 3:15 PM, or by appointment

**Purpose:**

This class introduces new COR students to the software used in the COR program that is available on the math network.

**Prerequisites:**

An introductory programming class.

**Texts:**

Kernighan, Brian W., and Ritchie, Dennis M., *The C Programming Language*, Second Edition, 2007, Prentice–Hall.

Leemis, L.M., *Learning Base R*, 2016, Lightning Source.

**Grades:**

Course grades will be determined by these weights:

Homework    30%

Midterm    30%

Final exam    40%

The grading scale is (plus and minus grades may be assigned within each range):

90 – 100 %    A

80 – 90 %    B

70 – 80 %    C

60 – 70 %    D

0 – 60 %    F

**Homework:**

Homework assignments will typically involve writing short programs on the language discussed in class. No late homework assignments will be accepted.

**Course outline:**

1. Unix
2. Text editing
3. L<sup>A</sup>T<sub>E</sub>X
4. tikz / xfig
5. Beamer
6. R
7. Maple
8. APPL
9. C