

CSCI 520: Computing in Operations Research

Fall, 2018

TR 11:00–12:20 Jones 113

Instructor: Larry Leemis

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Office hours: Tuesday and Thursday: 3:30 - 4:50 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:

Weekly 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^AT_EX
4. tikz / xfig
5. Beamer
6. R
7. Maple
8. APPL
9. C