CSCI 520: Computing in Operations Research
Fall, 2024
TR 2:00–3:20   Jones 113

Instructor: Larry Leemis

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Office hours: Tuesday and Thursday: 3:30–4:45 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.

Policy:

> No AI-generated material. November 26 class (Thanksgiving week) conducted by zoom.

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*, Second Edition, 2022, Lightning Source.

Grades:

> Course grades will be determined by these weights:
>
> | | |
> |---|---|
> | Homework | 30% |
> | Midterm | 30% |
> | Project | 5% |
> | Final exam | 35% |
>
> 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. The "empty hands" policy applies to collaboration on homework. No late homework assignments will be accepted.

Course outline:

> 1. Unix
> 2. Text editing
> 3. LaTeX
> 4. tikz / xfig
> 5. Beamer
> 6. R
> 7. Maple
> 8. APPL
> 9. C