Intermediate Mathematical Programming
MWF 10:10–11am

Wayne Goddard
goddard@clemson.edu

Office Hours. By Zoom.

Content/Goals/Learning Outcomes. An introduction to the use of computers in mathematics. By the end you should
- be able to program with conditionals/loops, arrays, functions, calculations & graphics
- be able to use MatLab to solve a mathematical problem
- be able to read a MatLab program
- understand the opportunities and pitfalls of the use of computers in mathematics
- appreciate algorithms

Grade. Your final Numerical mark will be determined by:
- Programming homework and other assignments: 40%
- Online quizzes: 18%
- Live closed-book quizzes: 17%
- Final take-home exam: 25%
The cut-off for an A will be 90. The cut-off for a B will be 80. The cut-off for a C will be 70.

Assignments. Unless otherwise specified, these are individual assignments, and must be strictly your own work and are not to be shown to anyone else.

Online quizzes. These will be (almost) every Thursday on Canvas. Open book.

Live quizzes. These will be offered periodically in class. Best 2 will count. (Students attending electronically will need to use Proctoring software.) Closed book.

Notes/Text. You should use an intro MatLab book for supplementary reading or for example MIT Courseware (Yossi Farjoun. 18.S997 Introduction to MATLAB Programming. Fall 2011). Most handouts are archived at people.cs.clemson.edu/~goddard/handouts/math3600.

For more rules and regulations, see general hand-out. In particular, note academic honesty policy and enforcement of hand-in times.