Instructor: Pierre Garreau  
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Department of Mathematics — Florida State University  

Office Hours: MCH Building 217B, MW 1:00-2:00 PM, R 11:00-12:00 AM and by appointment.

Course Objectives: Learn the FORTRAN programming language through classes and practice.

Prerequisites: No pre-requisite for this class, this is an introductory course.

Course Outline:

Chapter 1. Introduction .................................................................
  1. program structure
  2. compiling
  3. comments
  4. style

Chapter 2. Program Elements .........................................................
  1. data types
  2. Control Structures
  3. Input/Output

Chapter 3. Organization ............................................................
  1. functions
  2. subroutines
  3. scoping
  4. passing Functions to functions/subroutines

Chapter 4. Arrays .................................................................
  1. one-dimensional arrays
  2. multi-dimensional arrays
  3. passing arrays to functions/subroutines

Chapter 5. Object Oriented Programming ......................................
  1. derived types
  2. modules

Chapter 6. Advanced Topics .........................................................
**Grade Policy:** Homework will be assigned weekly. To earn a grade of S, all homework assignments must be handed in on time and completed. For each homework assignment you will hand in a hard-copy report and email me your source code. When emailing me please include [MAT5939] in the subject line of the email.

**Homework:** A Description of the homework policy. The typed homework report will include the following:

1. Title
2. Description of Problem
3. Description of the Program
4. Results and Conclusions
5. Program Listing

**Attendance Policy:** Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

**Academic Honor Policy:** The Florida State University Academic Honor Policy outlines the University’s expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and ...[to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at [http://dof.fsu.edu/honorpolicy.htm](http://dof.fsu.edu/honorpolicy.htm).)

**Americans with disabilities:** Students with disabilities needing academic accommodation should:

1. register with and provide documentation to the Student Disability Resource Center; and
2. bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class.

This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center
874 Traditions Way
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
sdrc@admin.fsu.edu
http://www.disabilitycenter.fsu.edu/

**Syllabus change policy:** Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.