

Syllabus

Professor

John R. Hubbard
Office: 201 Jepson Hall.
Hours: Mon, Wed, & Fri 2:30-3:30; other times by appointment.
Email: j hubbard@ri chmond. edu
Phone: 289-8086 (office), 804-536-0674 (mobile), 379-0510 (home).

Textbooks

Mathematica Navigator, Second Edition by Heikki Ruskeepaa, Elsevier Press, 2004, 0-12-603642-X.
Programming with Java, Third Edition by John R. Hubbard, McGraw-Hill, 2008 (to appear).

Schedule

27 Introduction to <i>Mathematica</i>	29 Rus. Ch. 1	31 Rus. Ch. 2
3 Rus. Ch. 3	5 Rus. Ch. 4	7 Rus. Ch. 11
10 Rus. Ch. 12	12 Rus. Ch. 5	14 Rus. Ch. 6
17 Rus. Ch. 7	19 Rus. Ch. 8	21 Rus. Ch. 9
24 Rus. Ch. 10	26 Review	28 Test 1 on Rus. Ch. 1-12
1 Rus. Ch. 13	3 Rus. Ch. 13	5 Rus. Ch. 14
8 Rus. Ch. 14	10 Rus. Ch. 15	12 Rus. Ch. 16
15	17 Rus. Ch. 17	19 Rus. Ch. 17
22 Review	24 Review	26 Test 2 on Rus. Ch. 13-17
29 Hub. Ch. 1	31 Hub. Ch. 2	2 Hub. Ch. 3
5 Hub. Ch. 4	7 Hub. Ch. 5	9 Hub. Ch. 5
12 Hub. Ch. 6	14 Hub. Ch. 7	16 Hub. Ch. 8
19 Hub. Ch. 8	21	23
26 Review	28 Review	30 Test 3 on Hub. Ch. 1-8
3 Review	5 Review	7 Review
Tue Dec 18 Final Examination 2:00 p.m. - 5:00 p.m.		

Labs

Each lab write-up will be posted on netfiles in advance. Lab work is to be completed in the lab and must be submitted before the end of the lab at 5:45 each Monday. You may work with a lab partner to complete your lab work.

Projects

Programming projects will be assigned periodically. The solutions to each project will be posted on netfiles after its due date. No project will be accepted after its solution has been posted. You are bound by the Richmond Honor Code to consult no one except this professor on your projects.

Grades

Grades will be posted online at our Blackboard course website. Final grades will be computed by the formula:

Labs & Homework	10 %
Projects	15 %
Preliminary Tests	45 %
Final Examination	30 %

Attendance Policy

Don't miss class. If you do, consult with your professor about how to recover from your absence.

The Symbolic Reasoning Field of Study Requirement (FSSR)

The objectives of this course include the ability to formulate and solve a variety of problems in the sciences using computer programs. These programs are expressed symbolically, and they are obtained through the application of deductive logic. Consequently, this course satisfies the Symbolic Reasoning Field of Study requirement for the B.A. and B.S. degrees.

The main topics of this course are problem solving, computer programming, and analysis using iteration, functions, and arrays.

Academic Integrity

The Richmond Honor Council has this written policy:

All academic work, written or otherwise, submitted by a student to fulfill a course requirement is expected to be the result of the student's own thought, research, or self-expression. A student will have committed plagiarism if the student has reproduced someone else's work without acknowledging its source. Plagiarism is no more and no less a violation of the Honor Code than lying, cheating, or academic theft.

This professor regards this Honor Code as essential to the academic integrity of the university.