

Computer Science 801

An Intensive Introduction to Computer Science for MFAC

Fall 2000

Syllabus

Class Meeting Times

Lecture: TTh 3:30–4:45 Jordan G-32
Lab: TTh 5:00–6:50 Rhodes 312

Instructor

Dr. Timothy Davis
Edwards Hall 437
656-0309
TTh 2:30–3:30, W 2:00–3:00
tadavis@cs.clemson.edu

Textbooks

Learning Maya 3, Alias | Wavefront, 2000 (required)

Brian W. Kernighan and Dennis M. Ritchie, *The C Programming Language (Second Edition)*, Prentice Hall, 1988 (recommended)

Brian W. Kernighan and Rob Pike, *The Unix Programming Environment*, Prentice Hall, 1984 (recommended)

Grading

Projects	60%
Labs	20%
Final	20%

Final letter grades will be based on a 10 point scale.

Assignments

Assignments will relate directly to the material covered. There will be both Maya projects and programming assignments. Labs will be checked for completion.

Attendance

Class attendance is not required; however, it is strongly recommended. Only excused absences will result in make-up tests.

Students are expected to wait 15 minutes after the scheduled class starting time before leaving if the instructor is late.

Late Policy

Late assignments will be accepted up to a week after the due date, but points will be deducted by 10% per working day.

Academic Integrity

Unless otherwise explicitly stated, students are expected to do his or her own work independently. The university policies on academic integrity apply.

Tentative Schedule

Day	Date	Lecture	Lab
Th	8/24	Introduction	
T	8/29	Computer Organization	Maya Lessons 1-2
Th	8/31	Computer Organization	Maya Lessons 3-4
T	9/5	Computer Organization	Maya Lessons 5-6
Th	9/7	Computer Organization	Maya Lessons 7-8
T	9/12	Operating Systems	Maya Lessons 9-10
Th	9/14	Operating Systems	Maya Lessons 11
T	9/19	Unix	Maya Lessons 12-13
Th	9/21	Unix	Maya Lessons 14-15
T	9/26	Unix	Maya Lessons 16-17
Th	9/28	Unix	Maya Lessons 18-19
T	10/3	Unix	Maya Lessons 20-21
Th	10/5	Editors	Maya Lessons 22-23
T	10/10	C introduction	Maya Lessons 24-25
Th	10/12	C operators	C programming
T	10/17	C conditionals	C programming
Th	10/19	C looping	C programming
T	10/24	C functions	C programming
Th	10/26	C arrays and pointers	C programming
T	10/31	C structures and I/O	C programming
Th	11/2	C recursion	C programming
T	11/7	Fall Break	
Th	11/9	Queues and Stacks	C programming
T	11/14	Searching and Sorting	C programming
Th	11/16	Trees and Recursion	C programming
T	11/21	Ray Tracing	C programming
Th	11/23	Thanksgiving	
T	11/28	GUIs and Open GL	C programming
Th	11/30	GUIs and OpenGL	C programming
T	12/5	Object-Oriented Systems	C programming
Th	12/7	Review	C programming
M	12/11	Final Exam 1:00-4:00	