

CS 1344 Fall 98: Course schedule:

Date	Topics	Related information
August 25	Course introduction: Programming process, Polya's four step process, Algorithm, Language levels, Program translation.	
September 1	Program design and Programming fundamentals: Top down design, Program proofs, Software development method, Structure chart, Program development process, Syntax and semantics, data types, standard constants	Download and install JAVA runtime environment and grader client.
September 8	Programming fundamentals (Cont.): Statements, variables and operations, operator hierarchy, Compound statements, I/O, File I/O, Formatting output, output redirection.	Project 1 assigned
September 15	Booleans, Selection: Conditions and Boolean Expressions, Truth tables, Short-circuiting, Selection, Switch statements.	
September 22	Iteration: While, For, Do While loops, Continue statement.	
September 29	Midterm Examination (Tentative date)	
October 6	Functions: Function structure, Identifier scope, Function prototypes, Parameter passing,	Project 2 assigned
October 13	Functions (Cont.): Passing by value and passing by reference, Value returning functions.	
October 20	Precision and Recursion, Elementary types: Data types, Enumerated types, type coercion, typedef	
October 27	Arrays: Structured types, Aggregate operations, Arrays as arguments.	Project 3 assigned
November 3	Arrays (Cont.): Character strings, Arrays of Arrays, Multidimensional Arrays.	
November 10	Structures: Structure referencing, Aggregate operations, Array of structures.	
November 17	Structures: Structures as arguments, Hierarchical structures, Unions.	
November 24	Thanksgiving break	
December 1	Searching and Sorting: Simple Searching, Binary Search, Bubble Sort, and Selection Sort.	
December 8	Review	
December 15	Final Examination	