

CS201 Syllabus

Time MWF 3:00
Room A-017 Root Hall

Professor G. Exoo
Email ge@cs.indstate.edu

Office Hours MWF 12:00-1:00 (office)

Class Web Page
<http://cs.indstate.edu/CS201>

Academic Integrity Policy
Student Guide

Online Textbook Links
The C Book
C Programming
How to Think Like a Computer Scientist: C++ Version

Grading
Programming Assignments 50%
Exams 20%
Final Exam 20%
Attendance 10%

Grading Scale

92	-	100	A
90	-	91	A-
88	-	89	B+
82	-	87	B
80	-	81	B-
78	-	79	C+
72	-	77	C
70	-	71	C-
68	-	69	D+
60	-	67	D
0	-	59	F

Important Dates

There will be two programs due every week (due days will vary)

The Final Exam will be held May 2, 3PM

The Final Programming Project will be Apr 29, 1PM

Exam 1 will be held Feb 24

Exam 2 will be held Mar 23

Course Outline

Week 1-2 Using Unix/Linux commands, shells, editors, gcc, gdb, gprof, etc.

Week 1-2 Writing simple filters.

The standard I/O library.

Week 3-4 Functions, parameters, recursion.

Searching and sorting.

Week 5-7 Addressing, pointers, memory allocation and deallocation.

Structures.

Dynamic data structures. Linked lists.

Binary trees.

Week 8-9 Algorithm efficiency, complexity.

Week 10-11 Low level I/O, binary data files, system calls.

Week 12-13 More data structures: Hashing, Priority Queues, Balanced Trees.

Week 14-15 Graphics, GUI's, GTK.

It's On BLUE.

Indiana State University fosters a campus free of sexual misconduct including sexual harassment, sexual violence, intimate partner violence, and stalking and/or any form of sex or gender discrimination. If you disclose a potential violation of the sexual misconduct policy I will need to notify the Title IX Coordinator. Students who have experienced sexual misconduct are encouraged to contact confidential resources listed below. To make a report to the Title IX Coordinator, visit [the Equal Opportunity and Title IX website](#).

Confidential Resources:

[The ISU Student Counseling Center](#)

HMSU 7th Floor
812-237-3939.

[Campus Ministries](#)

[For more information on your rights and available resources.](#)

The ISU Victim Advocate: Leah Reynolds

HMSU Room 813

812-237-3829 (office)

812-243-7272

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