Resources:

- **Course Site:** ucsb-cs16.github.io/f22/
- **Piazza:** piazza.com/class/l8dc72uzoa52u/
- **ZyBooks:** learn.zybooks.com/library
- **Gauchospace:** gauchospace.ucsb.edu/courses/course/view.php?id=31878
- **Gradescope:** gradescope.com/courses/449796
- **My Notes:** cs.ucsb.edu/~alexmei/notes.html

  cs.ucsb.edu/~alexmei/cs16.html

- **My Office Hours:** Tuesday, Thursday 9 - 10:30 AM, Henley 2002 or Zoom

Key Concepts:

Warning: this list is not comprehensive!

- **Comments:** //, /* */
- **Syntax vs Semantics:** Compile-Time vs Logic Errors
- **Programs:** Application, High-Level Language, Assembly Language, Machine Instruction, Compiler
- **Parts of a Computer:** I/O Devices, Storage, Memory, Processor, Clock
- **Basic Input and Output:** <iostream>, cin, cout
- **Valid Identifiers & Reserved Words**
- **Data Types:** int, double, char, string, auto
- **Type Casting:** static_cast<int>, static_cast<double>
- **Constants**
- **Arithmetic Operators:** +, -, *, /, %
- **Integer vs Floating-Point Division**
- **Order of Precedence:** ( ), unary -, * / %, + -, =
- **Math Functions:** sqrt(), pow(), fabs()
- **Binary vs Base 10**
- **Random Numbers:** rand()