

## Lecture 24: November 20, 2019

**Reading:** *C text*, §2.1, 12.6, 12.8

**Assignments:** Homework #4, due November 25, 2019

1. Greetings and felicitations!
  - (a) No office hour on Friday; an office hour on Monday 1:10pm–2:00pm
  - (b) For homework 4 extra credit, it's -p, not -s; also they can be in any order and have spaces between the option and the number — or not
  - (c) Grades on Canvas (where it says Total) are *not* your grade! It doesn't include the final or any of homework assignments 2–5, does not take into account my dropping the lowest homework score, and does not take into account any curving — and the grading scale is not the one I will use (it's harsher)
2. unions: printing other things as bits
  - (a) characters to bits [*union3.c*]
  - (b) floating point to bits [*union4.c*]
3. C Preprocessor
  - (a) #define macros with arguments; contrast with functions
  - (b) #include "...", #include <...>
  - (c) #if ... #elif ... #else ... #endif
  - (d) #ifdef ... #elif ... #else ... #endif, #ifndef ... #elif ... #else ... #endif
  - (e) #if 0 and #ifdef undef
  - (f) #undef
  - (g) #error
  - (h) #pragma