## **Semester Review**

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## CMPT140 on one page

The Art of Software Development: People: toolsmiths, architect vs. engineer, … • **Process:** Req $\rightarrow$ spec $\rightarrow$ design, WADES $\rightarrow$ V $\rightarrow$ spirl Pseudocode, stubs, pre/post, testing, OO, GUI The Craft of Programming: Basics: variables, types, ops, strings, if/while/for, functions (CBR vs. CBV), modules • ADTs: list, dict, stack/queue, set, OO classes • Libraries: math, string, random, graphics Misc: file I/O (pickle), exceptions, hex ): semester review

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## **Review lectures 29-36**

Earlier reviews are in lectures 12 and 27 29: OO classes, init , set/get ■ 30: Dictionaries 31: Stacks (LIFO) and Queues (FIFO) ■ 32: Sets: union, intersection, bitsets 33-34: Graphics: GraphWin, drawing, Text/Entry, getMouse(), widgets ■ 35: Waterfall, V, Spiral, principles of AgileDev 36: Principles of GUI design

