Semester Review

9 Dec 2009 CMPT140 Dr. Sean Ho Trinity Western University



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

2

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

