

week

CS141 Tentative schedule: see Canvas for updates to meet academic needs

Study material assigned before the date listed to prepare for **daily quiz & exercises**

1	1	Wed.	24-Sep	Introduction, finding course topics, computer basics, programming basics, GUI, Ch. 11.3 command line arguments. Project1
2	2	Mon.	29-Sep	Ch. 1 programs, computer, Java, environment, analysis, errors, problem solving, Appendix F documentation and Appendix I coding (style) guide
3	3	Wed.	1-Oct	Ch. 2.1 objects/classes, 2.2 variables, 2.3 calling method, 2.4 constructors, 2.5 get & set
3	4	Mon.	6-Oct	Ch. 2.6 API documentation, Appendix F documentation, 2.7 test, 2.8 object references, Special Topic 11.5 assertions, 6.10 debugger. Program 1 DUE
5	5	Wed.	8-Oct	Ch. 3.1 instance variables, 3.2 API, 3.3 class implementation, 3.4 unit tests
4	6	Mon.	13-Oct	Ch. 3.5 problem solve Tracing objects, 3.6 local variables, 3.7 'this' Ch. 6.10 debugger
7	7	Wed.	15-Oct	Ch. 4.1 numbers, 4.2 arithmetic, 4.3 I/O
5	8	Mon.	20-Oct	Ch. 4.4 problem solve first, do it by hand, 4.5 strings. Program V1 2 DUE
9	9	Wed.	22-Oct	Ch. 5.1 if, 5.2 comparing, 5.3 multiple alternatives,
6	10	Mon.	27-Oct	5.4 nesting, 5.5 flowcharts, 5.6 test cases, 5.7 Booleans, 5.8 input validation ("input is evil"), Ch. 11.5. Program V1 2 DUE
11	11	Wed.	29-Oct	Ch. 6.1 while, 6.2 hand trace, 6.3 for loop,
7	12	Mon.	3-Nov	EXAM 1: Ch. 1- 6.3 and Appendices F & I
13	13	Wed.	5-Nov	Ch. 6.4 do loop, 6.5 Storyboards, 6.7 common loops, 6.8 nested loops, 6.9 simulation, Ch. 6.10 debugger
8	14	Mon.	10-Nov	Ch. 7.1 array, 7.2 enhanced for loop, 7.3 common array algorithms. Program 3 DUE
15	15	Wed.	12-Nov	Ch. 7.4 adapt algorithms, 7.5 problem solving: manipulate objects, 7.6 2-D arrays
9	16	Mon.	17-Nov	Ch. 8.1 classes, 8.2 good methods, 8.3 patterns, 8.4 static variables & methods, 8.6 unit test framework
17	17	Wed.	19-Nov	Ch. 2.9 graphical apps, 2.10 ellipses, etc. , 3.8 shape classes if time permits: Ch. 19 gui 19.1 layout, 19.2 text input, 19.3 choices, 19.5 swing docs
10	18	Mon.	24-Nov	Ch. 11.1 r/w text files, 11.2 text i/o, 11.4 exceptions, 11.5 input errors. Program 4 DUE
19	19	Wed.	26-Nov	Ch. 20.1 readers, writers & streams, 20.2 binary i/o,
11	20	Mon.	1-Dec	Ch. 20.3 random access, 20.4 object streams, how to 20.1 choosing file format. Pair Program 5 DUE
21	21	Wed.	3-Dec	Review
12		Wed.	10-Dec	11:30-1:20 final EXAM: all material covered, focus on material since exam1