Schedule

A week-by-week breakdown of the material.

Week 1 (01/11-01/15)

Day 1 OCAML setup[1]

Day 2 OCAML basics[2] Evaluation model, basic types, bindings

Day 3 Functions[3]

Day 4 Tuples, practice[4]

Assignment 1[5] due by class time, Friday, January 22nd.

Week 2 (01/18-01/22)

Day 1 Lists and Option Types[6]

Day 2 Pattern-matching[7]

Day 3 Recursion[8]

Day 4 State recursion[9]

Assignment 2[10] due by class time, Wed, January 27th.

Week 3 (01/25-01/29)

Day 1 Tail Calls[11]
Day 2 Style reviews.
Day 3 Recursion practice.
Day 4 Assignment 2 style reviews. Recursion practice problems[12]

[1] notes/setup.html
[2] notes/ocaml_basics.html
[3] notes/ocaml_functions.html
[4] notes/ocaml_functions.html
[5] assignments/hw1.html
[6] notes/lists_options.html
[7] notes/pattern_matching.html
[8] notes/recursion.html
[9] notes/recursion_state.html
[10] assignments/hw2.html
[11] notes/tail_calls.html
[12] notes/recursion_state.html

Week 4 (02/01-02/05)

Day 1 Type aliases and Type variants[13]

Assignment 3[14] due by class time, Monday, February 8th.

Day 2 Polymorphic Types[15]

Day 3 Type inference[16]

Day 4 Anonymous Functions, Functions as values[17]

Assignment 4[18] due Thursday, February 11th.

Week 5 (02/08-02/12)

Day 1 Currying[19]

Day 2 Exceptions and exception handling[20]

Assignment 5[21] due Wednesday, February 17th.

Day 3 Sick day

Day 4 Sick day

Week 6 (02/15-02/19)

Day 1 Higher order functions[22]

Assignment 6[23] due Monday, February 22nd.

Day 2 List functions[24]

Day 3 Introduction to Modules[25]

Assignment 7[26] due Friday, February 26th.

Day 4 References and mutation[27]

[13] notes/type_variants.html
[14] assignments/hw3.html
[15] notes/types_polymorphic.html
[16] notes/type_inference.html
[17] notes/functions_anonymous.html
[18] assignments/hw4.html
[19] notes/currying.html
[20] notes/exceptions.html
[21] assignments/hw5.html
[22] notes/functions_higher_order.html
[23] assignments/hw6.html
[24] notes/functions_list.html
[25] notes/modules.html
[26] assignments/hw7.html
[27] notes/references.html

Week 7 (02/22-02/26)

Day 1 Sick Day

Day 2 Delayed Evaluation[28]

Day 3 Records and Objects[29]

Day 4 Building an Interpreter[30]

Assignment 8[31] due Friday, March 14th.

Week 8 (02/29-03/04)

BREAK

Week 9 (03/07-03/11)

Day 1 TBA
Day 2 **MIDTERM**
Day 3 TBA
Day 4 TBA

Week 10 (03/14-03/18)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA

Week 11 (03/21-03/25)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA

[28] notes/delayed_eval.html
[29] notes/records_objects.html
[30] notes/interpreter.html
[31] assignments/hw8.html

Week 12 (03/28-04/01)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA

Week 13 (04/04-04/08)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA

Week 14 (04/11-04/15)

Day 1 TBA
Day 2 TBA
Day 3 TBA
Day 4 TBA