

Schedule

A week-by-week breakdown of the material.

Week 1 (09/04-09/09)

Mon Introduction to Haskell and Functional Programming¹ (1.1-1.5)

Wed Working with the GHC compiler and interpreter. Lists.² (2.1-2.5)

Fri Standard Haskell values and types.³ (3.1-3.5)

Week 2 (09/11-09/15)

Mon More advanced typing: Curried Functions. Polymorphism, Type classes.⁴ (3.6-3.9)

Wed More advanced typing: Curried Functions. Polymorphism, Type classes. (cont)⁵ (3.6-3.9)

Fri Conditionals. Guarded Expressions.⁶ (4.1-4.3)

Assignment 1. Due 09/22⁷

Week 3 (09/18-09/22)

Mon Pattern Matching.⁸ (4.4)

Wed More practice with Pattern Matching.⁹

Fri Version Control¹⁰

Assignment 2. Due 09/29¹¹

¹[notes/intro.html](#)

²[notes/lists.html](#)

³[notes/standard.html](#)

⁴[notes/types_advanced.html](#)

⁵[notes/types_advanced.html](#)

⁶[notes/functions_conditionals.html](#)

⁷[assignments/assignment1.html](#)

⁸[notes/pattern_matching.html](#)

⁹[notes/more_pattern_matching.html](#)

¹⁰[notes/version_control.html](#)

¹¹[assignments/assignment2.html](#)

Week 4 (09/25-09/29)

Mon Recursion¹² (6.1-6.6)

Wed Recursion (cont)¹³ (6.1-6.6)

Fri Anonymous Functions. Sections.¹⁴ (4.5-4.6)

Assignment 3. Due 10/13¹⁵

Week 5 (10/02-10/06)

Mon Type Aliases and Custom Types. Option Type.¹⁶ (8.1-8.3)

Wed List comprehensions.¹⁷ (5.1-5.4)

Fri Functions as values: Difference Lists, Composition¹⁸ (7.5)

Week 6 (10/09-10/13)

Mon Higher-order functions. Processing Lists. (7.1-7.2)

Wed Folding. (7.3-7.4)

Fri MIDTERM

Week 7 (10/16-10/20)

Mon Function composition. Examples. (7.5, 7.7)

Wed Practice with Higher-order functions.

Fri Recursive Types. (8.4)

Week 8 (10/23-10/27)

Mon Type-directed programming. Modules.

Wed Information hiding and abstraction with modules.

Fri Custom type classes. (8.5)

¹²[notes/recursion.html](#)

¹³[notes/recursion.html](#)

¹⁴[notes/anonymous_functions.html](#)

¹⁵[assignments/assignment3.html](#)

¹⁶[notes/types_custom.html](#)

¹⁷[notes/list_comprehensions.html](#)

¹⁸[notes/difference_lists.html](#)

Week 9 (10/30-11/03)

Mon TBD

Wed TBD

Fri TBD

Week 10 (11/06-11/10)

Mon TBD

Wed TBD

Fri TBD

Week 11 (11/13-11/17)

Mon TBD

Wed TBD

Fri TBD

Week 12 (11/20-11/24)

Mon TBD

Wed TBD

Fri TBD

Week 13 (11/27-12/01)

Mon TBD

Wed TBD

Fri TBD

Week 14 (12/04-12/08)

Mon TBD

Wed TBD

Fri TBD