

Schedule

A week-by-week breakdown of the material.

Week 1 (09/04-09/09)

Mon Introduction to Haskell and Fuctional 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.¹⁶ (8.1-8.3)

Wed The Maybe (Option) Type.¹⁷

Fri List Comprehensions.¹⁸ (5.1-5.4)

Week 6 (10/09-10/13)

Mon Functions as Values: Difference Lists, Composition¹⁹ (7.5)

Wed Functions as Values: Difference Lists, Composition (cont)²⁰ (7.5)

Fri MIDTERM (study guide²¹)

Week 7 (10/16-10/20)

Mon Interactive Programming²² (10.1-10.5)

Wed Interactive Programming²³ (10.1-10.5)

Fri Practice with Interactive Programming²⁴ (10.6)

¹²[notes/recursion.html](#)

¹³[notes/recursion.html](#)

¹⁴[notes/anonymous_functions.html](#)

¹⁵[assignments/assignment3.html](#)

¹⁶[notes/types_custom.html](#)

¹⁷[notes/types_custom.html](#)

¹⁸[notes/list_comprehensions.html](#)

¹⁹[notes/difference_lists.html](#)

²⁰[notes/difference_lists.html](#)

²¹[notes/midterm_study_guide.html](#)

²²[notes/interactive.html](#)

²³[notes/interactive.html](#)

²⁴[notes/interactive_hangman.html](#)

Week 8 (10/23-10/27)

Mon BREAK

Wed Recursive Types²⁵ (8.4)

Assignment 4. Due 11/03²⁶

Fri Folding²⁷ (7.3-7.4)

Week 9 (10/30-11/03)

Mon Folding²⁸ (7.3-7.4)

Wed Overview of Software Development Practices²⁹

Fri Information hiding and abstraction with modules³⁰

Week 10 (11/06-11/10)

Mon Testing³¹

Wed Testing³²

Fri Lab catchup

Week 11 (11/13-11/17)

Mon The State Monad³³

Wed Functors, Applicatives, Monads³⁴

Fri Specification Testing with HSpec³⁵

²⁵[notes/recursive_types.html](#)

²⁶[assignments/assignment4.html](#)

²⁷[notes/folding.html](#)

²⁸[notes/folding.html](#)

²⁹[notes/dev_overview.html](#)

³⁰[notes/modules.html](#)

³¹[notes/testing.html](#)

³²[notes/testing.html](#)

³³[notes/functors_monads.html](#)

³⁴[notes/functors_monads.html](#)

³⁵[notes/testing_hspec.html](#)

Week 12 (11/20-11/24)

Mon TBD

Wed THANKSGIVING

Fri THANKSGIVING

Week 13 (11/27-12/01)

Mon TBD

Wed TBD

Fri TBD

Week 14 (12/04-12/08)

Mon TBD

Wed TBD

Fri Final Study Guide³⁶

³⁶notes/final_study_guide.html