Daily preparation guide
Study the material listed in the preparation section prior to attending class that day. Try to formulate precise questions concerning the parts you don’t understand or the importance of the material. If you come across some really difficult material, try searching the web for alternative explanations.

Thursday, August 24
Introduction:
• Classes begin
• Review of syllabus
• Introduction to Scheme and Scam

Tuesday, August 29
Preparation:
• Section 1.1, The Elements of Programming
  Example questions: http://beastie.cs.ua.edu/proglan/1-1.html
• Section 1.2, Procedures and the Processes They Generate
  Example questions: http://beastie.cs.ua.edu/proglan/1-2.html

Thursday, August 31
Preparation:
• Section 1.3, Formulating Abstractions with Higher-Order Procedures
  Example questions: http://beastie.cs.ua.edu/proglan/1-3.html
  Grammars http://beastie.cs.ua.edu/proglan/readings/grammars.html

Tuesday, September 5
Prerequisite exam

Thursday, September 7
Preparation:
• Section 3.2.1 The Rules for Evaluation
• Section 3.2.2 Applying Simple Procedures
• Section 3.2.3 Frames as the Repository of Local State
• Section 3.2.4 Internal Definitions
  Programming assignment #1 due

Tuesday, September 12
Preparation:
• Lexical Analysis, http://beastie.cs.ua.edu/proglan/readings/lexing.html

Thursday, September 14 (On-your-own Day)
Tuesday, September 19 (On-your-own Day)
Preparation:

Thursday, September 21 (On-your-own Day)
Preparation:
- Section 2.1, Introduction to Data Abstraction
- Church numerals, http://beastie.cs.ua.edu/proglan/readings/church.html

Tuesday, September 26
Preparation:
- Section 2.2 (skip 2.2.4), Hierarchical Data and the Closure Property
- Example questions: http://beastie.cs.ua.edu/proglan/2-2.html

Thursday, September 28

Tuesday, October 3
Preparation:
- Section 2.3, Symbolic Data

Exam: Chapter 1 and stuff

Thursday, October 5
Preparation:
- Section 2.4, Multiple Representations for Abstract Data

Programming assignment #1, resubmission 1 due

Tuesday, October 10
Preparation:
- Section 2.5, Systems with Generic Operations

Thursday, October 12
Preparation:
- Section 3.1.1 Local State Variables

Programming assignment #1, resubmission 2 due
Programming assignment #2 due

Tuesday, October 17
Preparation:
- Section 3.1.2 The Benefits of Introducing Assignment
- Section 3.1.3 The Costs of Introducing Assignment
- Section 3.3.1 Mutable List Structure
Thursday, October 19
Exam: Chapter 2 and stuff

Programming assignment #1, final resubmission due
Programming assignment #2, resubmission 1 due

Tuesday, October 24
Preparation:

• Section 3.3.2 Representing Queues
• Section 3.3.3 Representing Tables
• Section 3.3.4 A Simulator for Digital Circuits

Thursday, October 26
Class does not meet (Fall Break)

Programming assignment #2, resubmission 2 due

Tuesday, October 31
Preparation:

• Section 3.4.1 The Nature of Time in Concurrent Systems
• Section 3.4.2 Mechanisms for Controlling Concurrency

Thursday, November 2
Preparation:

• Section 3.5.1 Streams Are Delayed Lists
• Section 3.5.2 Infinite Streams

Programming assignment #2, final resubmission due

Tuesday, November 7
Preparation:

• Section 3.5.3 Exploiting the Stream Paradigm
• Section 3.5.4 Streams and Delayed Evaluation

Thursday, November 9
Programming assignment #3 due

Tuesday, November 14
Preparation:


Thursday, November 16
Programming assignment #3, resubmission 1 due
Designer programming language due

Tuesday, November 21
Preparation:

• Parameter passing

Thursday, November 23
Thanksgiving
Friday, November 24
  Programming assignment #3, resubmission 2 due
  Designer programming language, resubmission 1 due

Tuesday, November 28
  Preparation:
  • invariants
  • axiomatic semantics

Thursday, November 30
  Preparation:
  • more axiomatic semantics
  • still more axiomatic semantics
  Programming assignment #3, final resubmission due
  Designer programming language, resubmission 2 due

Tuesday, December 5
  Dead week, optional class

Thursday, December 7
  Dead week, optional class
  Designer programming language, final resubmission due

Friday, December 8
  Last day to withdraw from term

Tuesday, December 12
  Final exam, 11:30am-2:00pm