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.

Thursday, August 18
Introduction:
• Classes begin
• Review of syllabus
• Introduction to Scheme and Scam

Tuesday, August 23
Preparation:
• Section 1.1, The Elements of Programming
• Example questions: http://beastie.cs.ua.edu/proglan/1-1.html

Thursday, August 25
• Section 1.2, Procedures and the Processes They Generate
• Example questions: http://beastie.cs.ua.edu/proglan/1-2.html

Tuesday, August 30
Prerequisite exam

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

Tuesday, September 6
Preparation:
• Grammars http://beastie.cs.ua.edu/proglan/readings/grammars.html

Thursday, September 8
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

Friday, September 9
Preliminary assessment of programming assignment #1 due
Tuesday, September 13
Preparation:
  • Lexical Analysis, http://beastie.cs.ua.edu/proglan/readings/lexing.html

Thursday, September 15
Preparation:

Saturday, September 17
Programming assignment #1 due

Tuesday, September 20
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

Thursday, September 22
Preparation:
  • Exam: Chapter 1 and stuff

Tuesday, September 27
Preparation:
  • Section 2.1, Introduction to Data Abstraction
  • Church numerals, http://beastie.cs.ua.edu/proglan/readings/church.html

Thursday, September 29
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

Tuesday, October 4
Preparation:
  • Section 2.3, Symbolic Data
  • Example questions: http://beastie.cs.ua.edu/proglan/2-3.html

Thursday, October 6
Preparation:
  • Section 2.4, Multiple Representations for Abstract Data

Tuesday, October 11
Preparation:
  • Section 2.5, Systems with Generic Operations

Thursday, October 13
Preparation:
  • Exam: Chapter 2 and stuff
Tuesday, October 18
Preparation:
- Section 3.1.1 Local State Variables

Thursday, October 20
Preparation:
- Section 3.1.2 The Benefits of Introducing Assignment
- Section 3.1.3 The Costs of Introducing Assignment

Friday, October 21
Preliminary assessment of programming assignment #2 due

Tuesday, October 25
Preparation:
- Section 3.3.1 Mutable List Structure
- Section 3.3.2 Representing Queues
- Section 3.3.3 Representing Tables

Thursday, October 27
Preparation:
- Section 3.3.5 Propagation of Constraints

Class does not meet (Fall Break)

Friday, October 28
Programming assignment #2 due

Tuesday, November 1
Preparation:
- Section 3.4.1 The Nature of Time in Concurrent Systems
- Section 3.4.2 Mechanisms for Controlling Concurrency

Thursday, November 3
Preparation:
- Section 3.5.1 Streams Are Delayed Lists
- Section 3.5.2 Infinite Streams

Tuesday, November 8
Preparation:

Thursday, November 10
Preparation:
- Section 3.5.3 Exploiting the Stream Paradigm

Tuesday, November 15
Preparation:
- 3.5.4 Streams and Delayed Evaluation
Thursday, November 17
Preparation:
- Section 3.5.5 Modularity of Functional Programs and Modularity of Objects

Friday, November 18
Preliminary assessment of programming assignment #3 due
Preliminary assessment of the designer programming language due

Friday, November 25
Programming assignment #3 due
Designer Programming Language due

Tuesday, November 29
Dead week

Thursday, December 1
Dead week, last day of class