Chapter 1

Final Exam Review

Chapter 3

Syntax

- Regular Expressions
- BNF
- EBNF
- Syntax Diagrams
- Parse Tree
- Abstract Syntax Tree
- Derivations
- Ambiguity

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Chapter 3

Semantics

- Attribute Grammars
- Dynamic Semantics
- Operational Semantics
- Axiomatic Semantics
- Denotational Semantics

Chapter 4

- Lexical Analysis
 - State Transition Diagram
- Syntax Analysis
 - Parser
 - Top-down Parser
 - Bottom-up Parser

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Chapter 5

Variables

- Name
- Address
- Value
- Type
- Lifetime

■ Scope

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Chapter 6

- Type Information
- Data Types
 - Primitive Data Types
 - Composite Data Types
 - User-Defined Types
 - Structure Types

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Chapter 15

- Functional Programs
- Mathematical Functions
- Functional Forms
- Lambda Calculus
- Haskell

Chapter 16

- Predicate Calculus
- Clausal Form
- Horn Clauses
- Prolog

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Final Exam

Friday December 16, 2005 8:30 - 11:30 C 9000

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