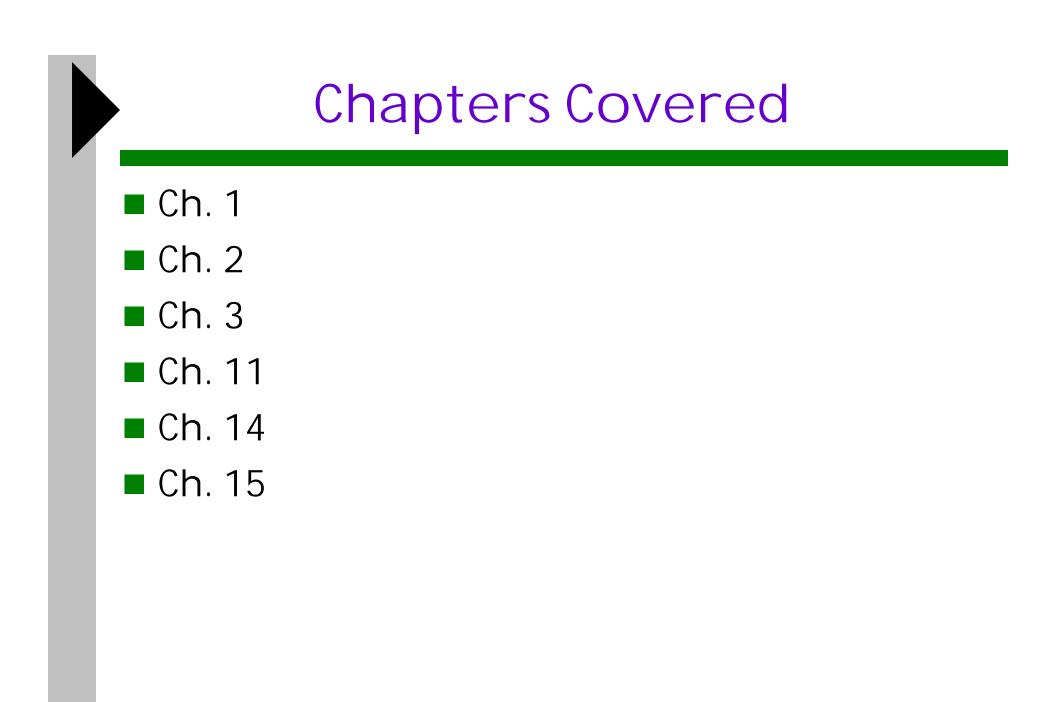


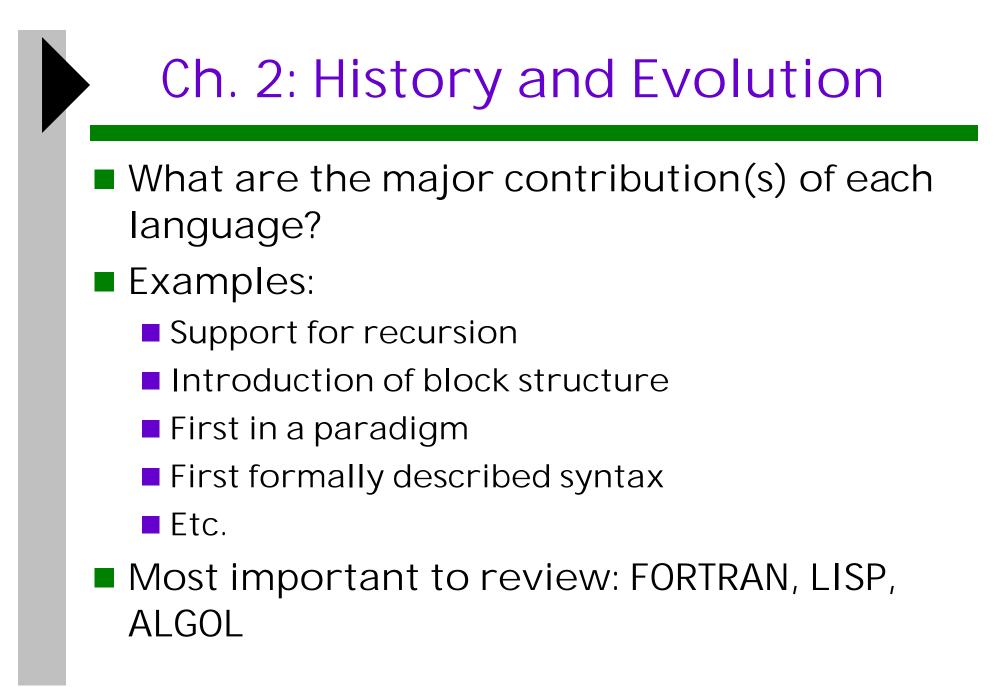
## Midterm Review

#### In Text: Chapters 1, 2, 3, 11, 14, 15



## Ch. 1: Introduction

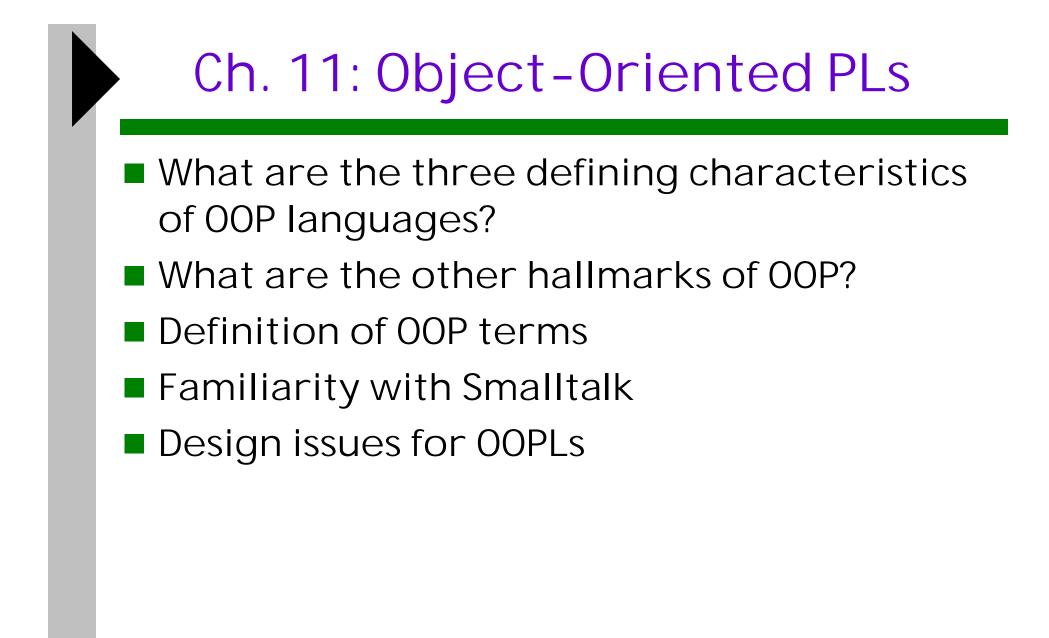
- Why study PLs?
- Language evaluation criteria
- Two main influences on PL design
- 5 paradigms
- Implementation strategies



## Ch. 3: Syntax and Semantics

#### BNF & EBNF

- What makes a grammar ambiguous?
- How do you disambiguate a grammar?
- What does it mean for two grammars to "generate the same language"?
- Operational semantics
- Axiomatic semantics
- Applying axiomatic semantics to code segments
- Loop invariants, 5 criteria
- Denotational semantics



# Ch. 14: Functional Programming What are the hallmarks of FP? Definition of FP terms Scheme syntax You'll have to write a Scheme function

