

Programming Languages and Translators (ECE251): Final

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This 150-minute closed-book, closed-notes final contains 8 equally-weighted questions on N pages. Answer the questions in your exam book. Be sure to include your name and student number on the exam book.

- 1 Short Answer Questions (12)**
- 2 Grammar Design and Recursive Descent Parsing**
- 3 Symbol Tables—a question about your implementation**
- 4 Type Checking Implementation**
- 5 Code Generation**
- 6 Functional Programming**
- 7 Logic Programming and Type Derivations**

This question has two equally-weighted parts.

- 7.1 Logic Programming**
- 7.2 Type derivations**
- 8 Domain-Specific Language Design**