

ICOM 4029 – Compiler Writing Course Outline – Fall 2003

Topics	Estimated Hours
Course Introduction and Overview	2.0
The COOL Language (UC Berkeley)	2.0
Lexical Analysis: Finite State Automata	4.0
Syntactic Analysis I: Introduction to parsing	2.0
Syntactic Analysis II: Top-down parsing	4.0
Syntactic Analysis III: Bottom-up parsing	4.0
EXAM I	
Semantic Analysis: Type checking	6.0
Runtime Systems	2.0
Code Generation Essentials	4.0
EXAM II	
Local Code Optimization	4.0
Global Code Optimization	4.0
Advanced Topics	4.0
FINAL EXAM	
Total number of hours¹	45

Prepared by: Prof. Bienvenido Vélez-Rivera
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¹ Total includes three hours for exam discussion