

CISC 471/672 – Final Exam Study Guide

Fall 2011

Forming study groups is highly recommended. Read the book and study the lecture slides.

Important things to study:

- DFA: construction, acceptance, regular expressions, diagrams
- Context Free Languages: grammars, acceptance, parse trees, ambiguity, left-most/right-most derivations, problems with grammars
- Call Structure / Variable: activation record, control flow, ARP, variables, variable bindings, nested procedures, call-by-reference, call-by-value, memory usage for data, location of variables.
- Array address calculation
- Dependence DAG, Instruction scheduling, Register Allocation
- Phase 4 / Phase 5