Bemidji State University

CS 4298: Compiler Construction

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: 0
   Lab Hours/Week: 0
   OJT Hours/Week: *. *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   The theory, design, and construction of a compiler. Prerequisite(s): CS 2810 and CS 3528. May not be offered every year.

B. COURSE EFFECTIVE DATES: 08/20/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. scanning and scanners
   2. grammars, including BNF and EBNF
   3. parsing and parsers including LL(1) grammars and recursive descent parsing
   4. semantic processing
   5. the design and writing of a compiler

D. LEARNING OUTCOMES (General)
   1. articulate the major steps of compilation.
   2. build a compiler for a programming language they design.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted