**Pseudocode: Loading and Validating Course Data**

START PROGRAM

Open the course data file for reading

IF the file does not open

Print "Error: Cannot open file"

Exit program

Initialize an empty vector named courseList to store Course objects

FOR each line in the file

Split the line into tokens separated by commas

IF the number of tokens < 2

Print "Error: Line does not contain enough parameters"

Exit program

Set courseNumber to first token

Set courseTitle to second token

Set prereqList to all remaining tokens (if any)

Create a new Course object

Set Course.number = courseNumber

Set Course.title = courseTitle

Set Course.prerequisites = prereqList

Add the Course object to courseList

Close the file

// Validate all prerequisites exist in the file

FOR each Course in courseList

FOR each prereq in Course.prerequisites

IF prereq does not exist as a Course.number in courseList

Print "Error: Prerequisite " + prereq + " does not exist as a course."

Exit program

END PROGRAM

**Pseudocode: Searching and Printing Course Information**

Prompt user to enter a course number to search

Set found to FALSE

FOR each Course in courseList

IF Course.number equals the entered course number

Print "Course Number: " + Course.number

Print "Course Title: " + Course.title

IF Course.prerequisites is empty

Print "Prerequisites: None"

ELSE

Print "Prerequisites: "

FOR each prereq in Course.prerequisites

Print prereq

Set found to TRUE

BREAK out of loop

IF found is FALSE

Print "Course not found."