**Pseudocode Vector Data Structure**  
 (Opening the file, reading data, parsing lines and checking for errors)  
  
FUNCTION loadCoursesFromFile(filePath)

OPEN file at filePath FOR reading

IF file cannot be opened THEN

PRINT "Error: Cannot open file."

RETURN

INITIALIZE an empty vector courseVector

WHILE there are more lines in the file DO

READ a line from the file

SPLIT line into tokens using a delimiter (e.g., comma)

IF number of tokens < 2 THEN

PRINT "Error: Invalid format on line" + line

CONTINUE

EXTRACT courseNumber, title, and prerequisites from tokens

VALIDATE prerequisites

IF any prerequisite is not in courseVector THEN

PRINT "Error: Prerequisite course not found on line" + line

CONTINUE

CREATE a Course object with courseNumber, title, and prerequisites

ADD the Course object to courseVector

CLOSE the file

RETURN courseVector

**Creating Course Objects**  
FUNCTION createCourse(courseNumber, title, prerequisites)

INITIALIZE a new Course object

SET Course.courseNumber = courseNumber

SET Course.title = title

SET Course.prerequisites = prerequisites

RETURN Course

**Printing Course information**

FUNCTION printCourseInfo(courseVector, searchCourseNumber)

FOR each Course in courseVector DO

IF Course.courseNumber == searchCourseNumber THEN

PRINT "Course Number: " + Course.courseNumber

PRINT "Title: " + Course.title

PRINT "Prerequisites: " + Course.prerequisites

RETURN

PRINT "Course not found."