**Read data from file:**

Open file from fstream

IF value returned = -1, PRINT “Error” and exit

Else file is found

While not at end of file

Read each line of file

Parse each line

IF < two values in line PRINT “Error”

Else continue

IF a value of three or more is found elsewhere

Continue

Else print “Error”

CLOSE

**Create Course Objects:**

Create newCourse object

Set instance variables for courseNumber, courseTitle, and Prerequisites

Return newCourse

Vectorappend for vector addition

End

**Search data structure:**

Prompt user for input

Search vector

If courseNumber = courseNumber

PRINT course number, course title, prerequisites

Return

IF course not found PRINT “Error: Not found”

End