

## Assignment #3 Hints

# main logic....

Create Course object (course)

Open courseFile (Scanner object)

course.processCourseFile (courseFile) (read from  
courseFile and fill course object with info)

Open studentFile

while (studentFile.hasNext())

course.processStudentFile (studentFile) (read from  
studentFile and fill course object with info)

course.calculateGrade()

display final grade

endwhile



# Course processing

```
public boolean processCourseFile (Scanner
                                courseFile){
    read courseName from courseFile
    read numCategories from courseFile
    for (int i=0; i<numCategories; i++)
        create new Category object - categoryObj
        categoryObj.processCourseFile (File
                                       courseFile)
        add categoryObj to linkedList object
    endfor
    return true/false if all went ok or not...
end processCourseFile
```

# Category processing .....

```
public boolean processCourseFile (Scanner courseFile) {  
    read categoryName from courseFile  
    read categoryWeight from courseFile  
    read numAssessments from courseFile  
    for (int i=0; i<numAssessments;i++)  
        create new Assessment object - assessObj  
        assessObj.processCourseFile (courseFile)  
        add assessObj to Linked list (assessments)  
    endfor  
    return true/false if all went ok or not  
end processCourseFile
```



# Assessment processing....

```
public boolean processCourseFile (Scanner courseFile) {  
    read assessmentName from courseFile  
    read outOfGrade from courseFile  
    return true/false if everything went ok  
end processCourseFile
```