```java
import java.text.ParseException;

/*************************************************************
* Dalton Nofs                                                *
* Login ID: nofs5491                                         *
* CS-102, Summer 2017                                        *
* Programming Assignment 3                                   *
* Course class:  default class for Course objects             *
*************************************************************/
public class Course
{
    int creditCount;     // Number of credits the class is worth (1-4)
    String termTaken;    // Term and year class was taken
    String termTakenRaw; // Term taken raw format "01,02,03,04"
    String yearTaken;     // Year course was taken
    String courseNumber; // Course number ie: CS-471
    String courseTitle;  // Title of course ie: Software Engineering 1
    String courseGrade;  // Grade achieved by student ("A-" or "I", "CR")
    String excludeFlag;  // Flag for checking to see if grade should be in gpa calc

    /*************************************************************
    * Method: get[private_var]()                                 *
    * Purpose: Provide the ability to access private Course      *
    *          variables                                         *
    * Parameters:                                                *
    *                             N/A                             *
    * Returns: String/Int:       private variable value            *
    *************************************************************/
    public int getCreditCount()
    {
        return creditCount;
    }
    public String getTermTaken()
    {
        return termTaken;
    }
    public String getTermTakenRaw()
    {
        return termTakenRaw;
    }
    public String getYearTaken()
    {
        return yearTaken;
    }
    public String getCourseNumber()
    {
        return courseNumber;
    }
    public String getCourseTitle()
    {
        return courseTitle;
    }
    public String getCourseGrade()
    {
        return courseGrade;
    }
    public String getExcludeFlag()
    {
        return excludeFlag;
    }

    /*************************************************************
    * Method: set[private_var]()                                 *
    * Purpose: Provide the ability to set private Course         *
    *          variables                                         *
    * Parameters:                                                *
    *   String/Int: [private_var]:        value to be set            *
```

```
68      * Returns:                                N/A                          *
69      ************************************************************/
70      public void setCreditCount(int creditCount)
71      {
72          this.creditCount = creditCount;
73      }
74      public void setTermTaken(String termTaken) throws ParseException
75      {
76          // Set term taken for raw then find the word value
77          this.termTakenRaw = termTaken;
78          if(termTaken.equals("01"))
79          {
80              this.termTaken = "Winter";
81          }
82          else if(termTaken.equals("02"))
83          {
84              this.termTaken = "Spring";
85          }
86          else if(termTaken.equals("03"))
87          {
88              this.termTaken = "Summer";
89          }
90          else if(termTaken.equals("04"))
91          {
92              this.termTaken = "Fall";
93          }
94          // Throw flag to show data passed is incorrect
95          else {throw new ParseException("Term is not correct!", -1);}
96      }
97      public void setYearTaken(String yearTaken)
98      {
99          this.yearTaken = yearTaken;
100     }
101     public void setCourseNumber(String courseNumber)
102     {
103         this.courseNumber = courseNumber;
104     }
105     public void setCourseTitle(String courseTitle)
106     {
107         this.courseTitle = courseTitle;
108     }
109     public void setCourseGrade(String courseGrade) throws ParseException
110     {
111         // Cheack to see if matches grading scale
112         if("ABCDFICRAUB+C+D+A-B-C-".contains(courseGrade.toUpperCase()))
113             this.courseGrade = courseGrade;
114         else
115             throw new ParseException("Grade is not acceptable!", -1);
116     }
117     public void setExcludeFlag(String excludeFlag) throws ParseException
118     {
119         if(excludeFlag.equals("Y") || excludeFlag.equals("y") ||
120            excludeFlag.equals("N") || excludeFlag.equals("n"))
121         {
122             this.excludeFlag = excludeFlag;
123         }
124         // Throw flag to show data passed is incorrect
125         else {throw new ParseException("Exclude flag is not correct!", -1);}
126     }
127
128 }
```