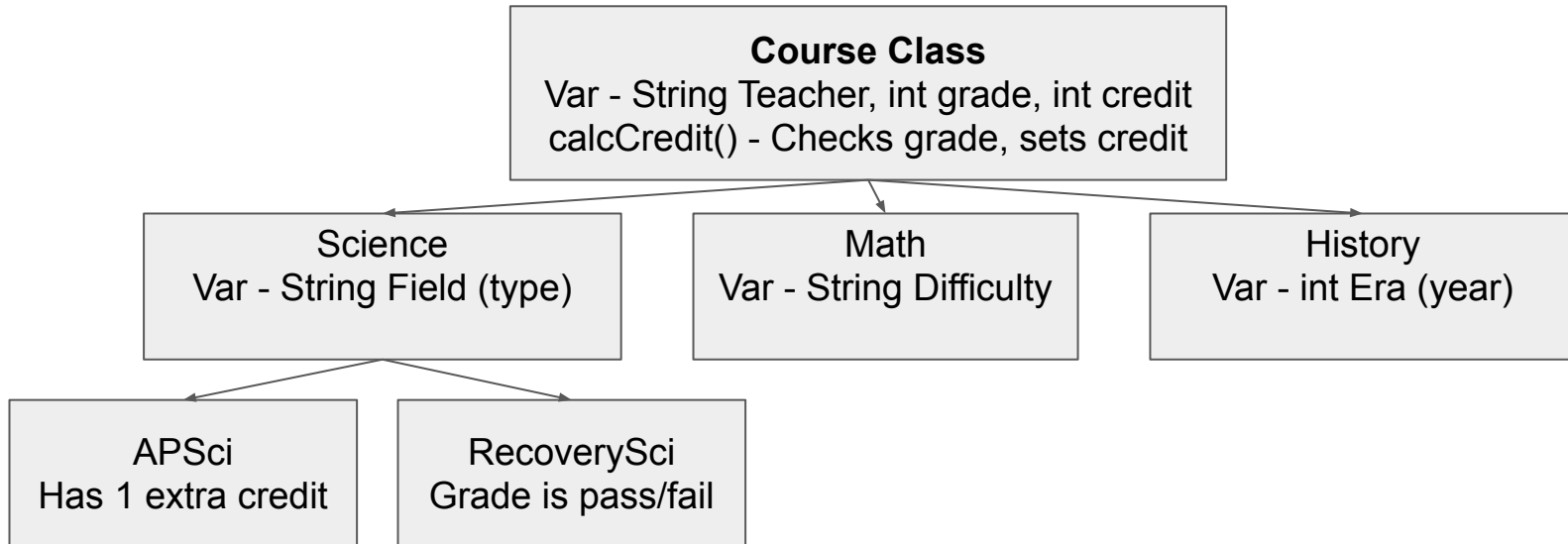# Inheritance Review

Mr. Poole
Java

Lab: Inheritance Review

1. Create the following Course class for a Student!
2. Create suitable constructors/methods
3. Create accessor/mutator methods
4. Override toString() and equals() methods

Course Class
Var - String Teacher, int grade, int credit
calcCredit() - Checks grade, sets credit

Science
Var - String Field (type)

Math
Var - String Difficulty

History
Var - int Era (year)

APSci
Has 1 extra credit

RecoverySci
Grade is pass/fail

Lab: Inheritance Review More

Course -

    Students **always** input the teacher and the grade they received. Course will then calculate how many credits they should receive for the course.

calcCredit - Given the chart, the method should check Grade and set Credit accordingly.

APSci - Credit is increased by one.

RecoverySci -

    If grade is >60% they pass, otherwise fail.

    Pass = 100%   Fail = 0%

    Credit should be set from pass/fail grade

Grade	Credit	AP Credit
>= 90	4	5
>= 80	3	4
>= 70	2	3
>= 60	1	2
< 60	0	1

Lab: Inheritance Review More

toString() - When an object is printed, it should print out the teacher and credit received for the course. For specific courses, print also their variables.

equals() - Compare if teachers are the same no matter the Course type