problem 1

1. The objects of our course are mutable because it primarily uses a list to store the students in the course and lists are mutable. Also the class has helper methods to add more students to the list.
2. There is the risk of the list given as a parameter being used outside of the class and getting modified, producing unpredictable issues to our program. One way to mitigate this is by creating a copy of the list given as a parameter and then store that copy into our class's attribute.
3. This is also a risk for the program because the list can be mutated outside the class once the function provides it to another program that asks for it. One way to mitigate this issue is to return a copy of the list of students.