

6.00 Handout, Lecture 14
(Not intended to make sense outside of lecture)

```
class Person:
    def __init__(self, family_name, first_name):
        self.family_name = family_name
        self.first_name = first_name
        self.birthDay = None
    def familyName(self):
        return self.family_name
    def firstName(self):
        return self.first_name
    def __cmp__(self, other):
        return cmp(self.family_name + self.first_name,
                   other.family_name + other.first_name)
    def __str__(self):
        return '<Person: %s %s>'%(self.first_name, self.family_name)

class UG(Person):
    """year is an integer between 1 and 7"""
    def setYear(self, year):
        self.year = year
    def __str__(self):
        return '<Student: %s %s>'%(self.first_name, self.family_name)

class Prof(Person):
    def addTeaching(self, term, course):
        """term is a string, course is a string"""
        try:
            self.teaching[term].append(course)
        except KeyError:
            self.teaching[term] = [course]
        except AttributeError:
            self.teaching = {}
            self.teaching[term] = [course]
    def getTeaching(self, term):
        return self.teaching[term]
    def __str__(self):
        return '<Professor: %s %s>'%(self.first_name, self.family_name)
```