

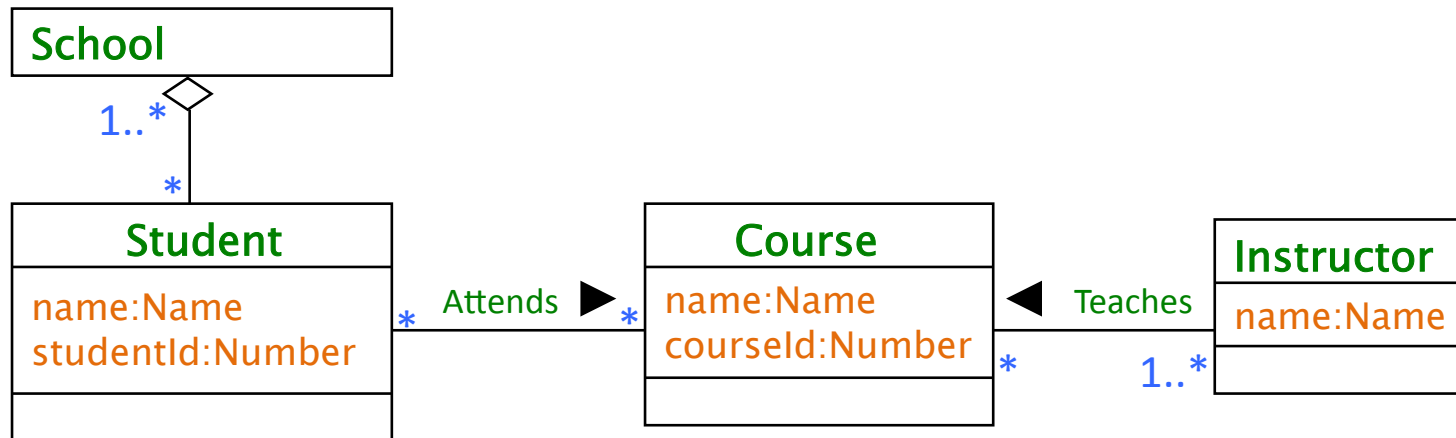
CS 213 – Spring 2016

Lecture 14 – Mar 3

UML Class Diagram - III

Modeling a University

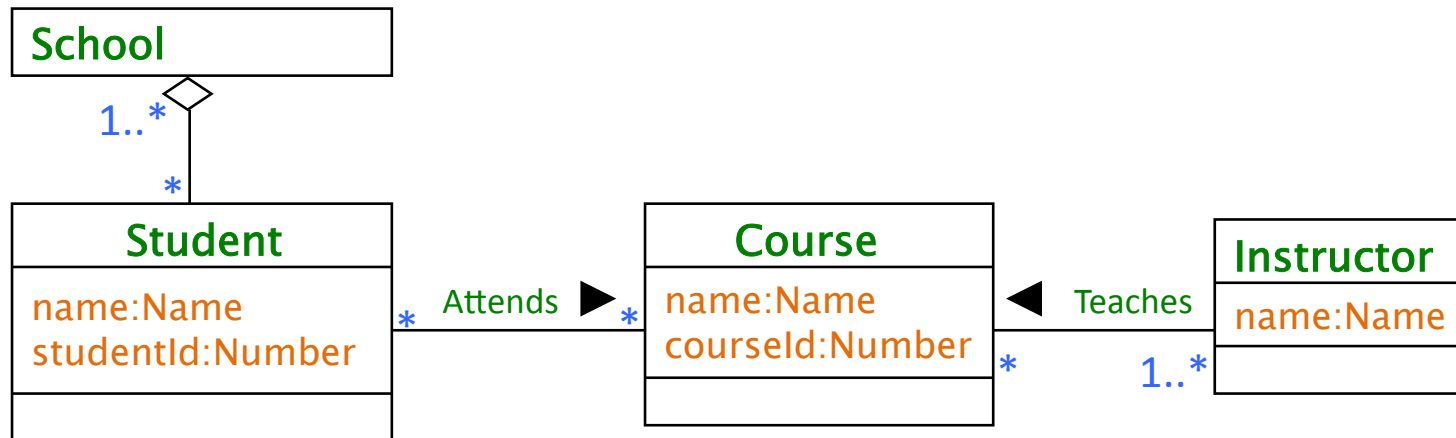
Relationship data



Write the Student and Course classes with just fields (no methods)

Modeling a University

Relationship data



```
public class Student
{
    Name name;
    Number studentId;
    Course[] courses;
    School[] schools;
    ...
}
```

```
public class Course {
    Name name;
    Number courseId;
    ArrayList<Student> students;
    Instructor[] instructors;
    ...
}
```

**Data needed to store a relationship between two classes
DO NOT show up as UML attributes in either class, because
they are NOT inherent properties of either of the classes in
the relationship.**

Modeling Orders for Products

Draw a UML Class Diagram to model orders for products. Customers who place orders can be personal customers or corporate customers. An order could have multiple products (items) in it, and at any point in time the company needs to know which of these items have been shipped.

Modeling Orders for Products

From "UML Distilled" by Martin Fowler with Kendall Scott

