

Lecture 10

Tuesday Oct. 10

class Ik {

int k;
int hashCode { return k % 11; }

boolean equals (Object other) {

return this.k.hashCode() == other.hashCode();

hashCode();

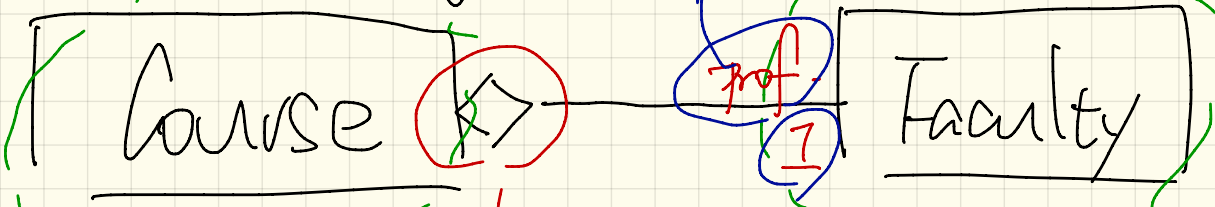
}
Client code

Ik k1 = new Ik(3);

Ik k2 = new Ik(6);

k1.equals(k2) → true x

UML class diagram



Container

role.
multiplicity container
(how many containers)

aggregation
(sharing is allowed;
aliasing)

Unified
Modelling
Language

void setProf(Faculty prof)?

this.prof = prof;

EECS3311.setProf(prof2)

EECS2030.getProf().getName().equals("Jeff")

3

course	
title	"A00"
prof	

course

course	
title	"SD"
prof	

Faculty

EECS 3311 String

EECS2030

prof.setName("Jeff")

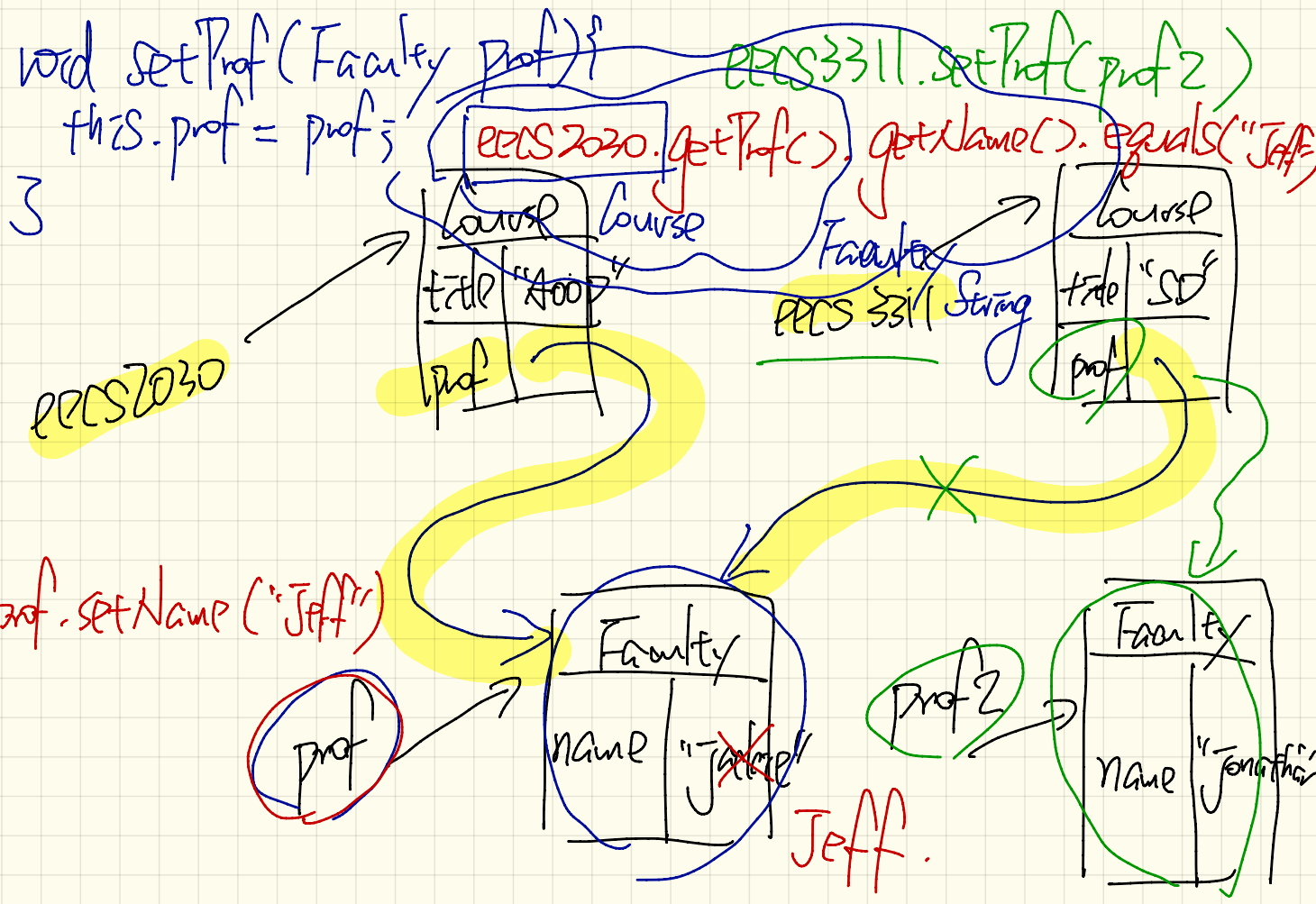
prof

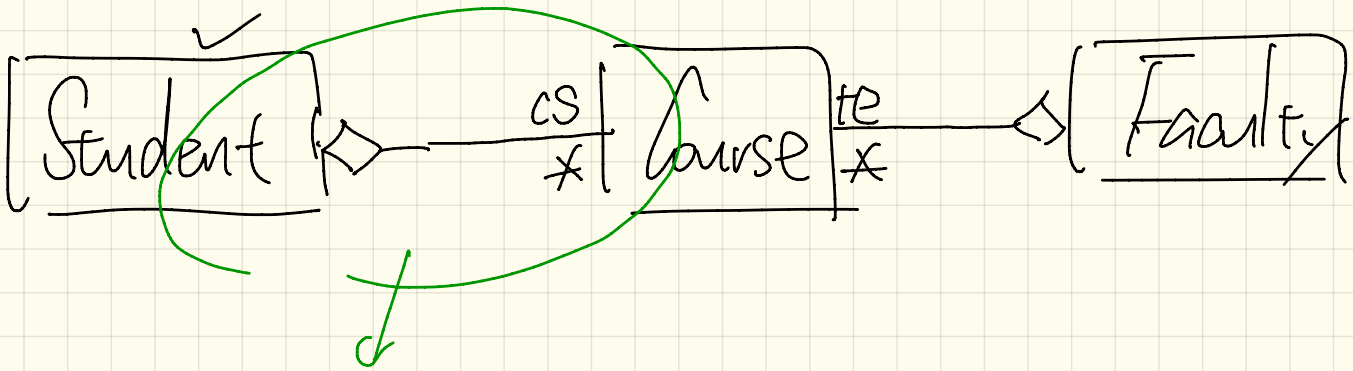
Faculty	
name	" Jeff "

Jeff.

prof2

Faculty	
name	"Jonathan"





Each student has a
collection of courses.

EPCS 2030. setProf (P)
 EPCS 3311. setProf (P)

✓ p.addT (EPCS 2030)
 ✓ p.addT (EPCS 3311)

s.addC (EPCS 2030)
 s.addC (EPCS 3311)

aliasing: { P
 EPCS2030.prof
 EPCS3311.prof

