

1) Assignment is a weak entity type because it is existant dependant on course course-id and derives its primary key from course entity type.

2) Individual assignment is existant dependant on student entity type
group assignment is existant dependant on student

3) Grade is a relationship attribute type to the relation between course and student.

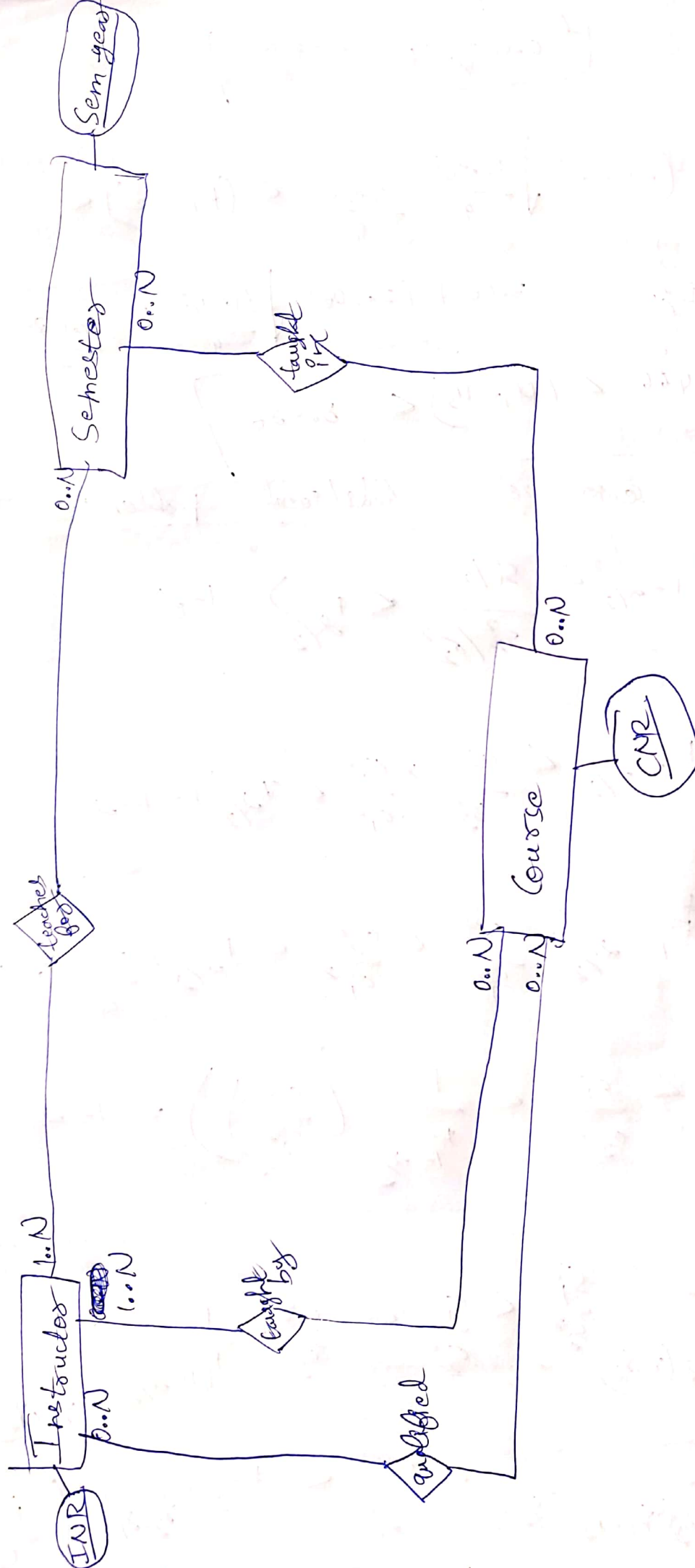
4) There is a specialization ;
Assignment - super class
Group assignment / Individual assignment - sub-classes
disjointness constraint - disjoint
completeness constraint - ~~not~~ total

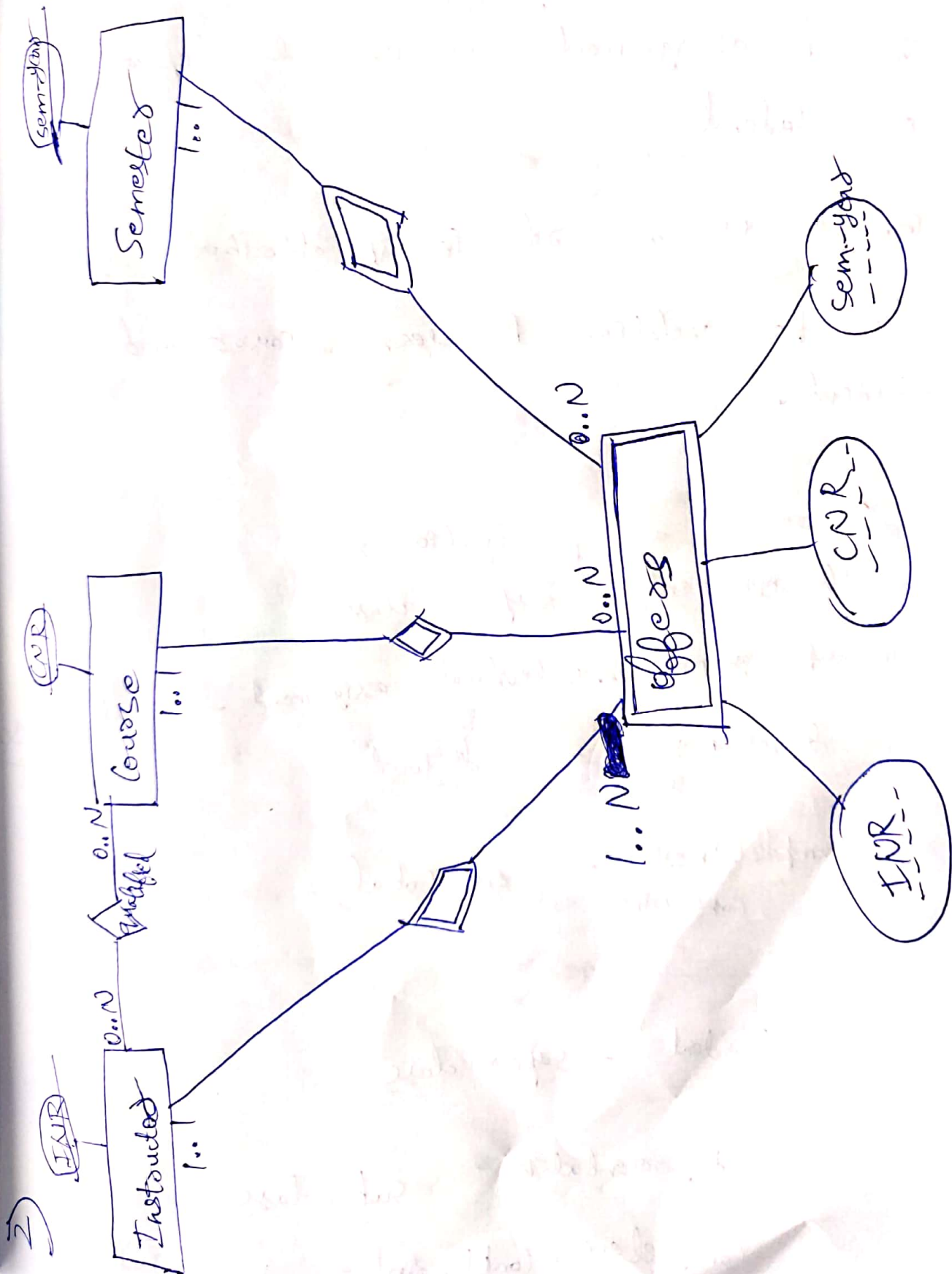
Student - super class

Department - sub class

completeness constraint - partial
disjointness constraint - not mentioned.

2





4) Course (CNB, CName)

Prerequisites (~~CNB~~ CNB, PreseqNumbers)

CNB Foreign key refers to CNB in course
Null not allowed

PreseqNumbers Foreign key refers to CNB in course
Null not allowed

Session (Location, Date, CNB)

CNB Foreign key refers to CNB in course
Null not allowed

Teacher (tnb, tname)

Student (snb, sname)

Enrollment (snb, location, date, result)

snb Foreign key refers to snb in student
Null not allowed.

Location " " location in session
Null allowed

Date " " date in session
Null allowed

Teaches (tnb, location, date)

tnb Foreign key refers to tnb in teacher
Null not allowed.

location Foreign key refers to location in session
Null allowed

date Foreign key refers to date in session
Null allowed

qualified (tnb, cnb)

tnb	foreign key refers to tnb	in	teacher
			null not
cnb	foreign key refers to cnb	in	course
			null not
			allowed.