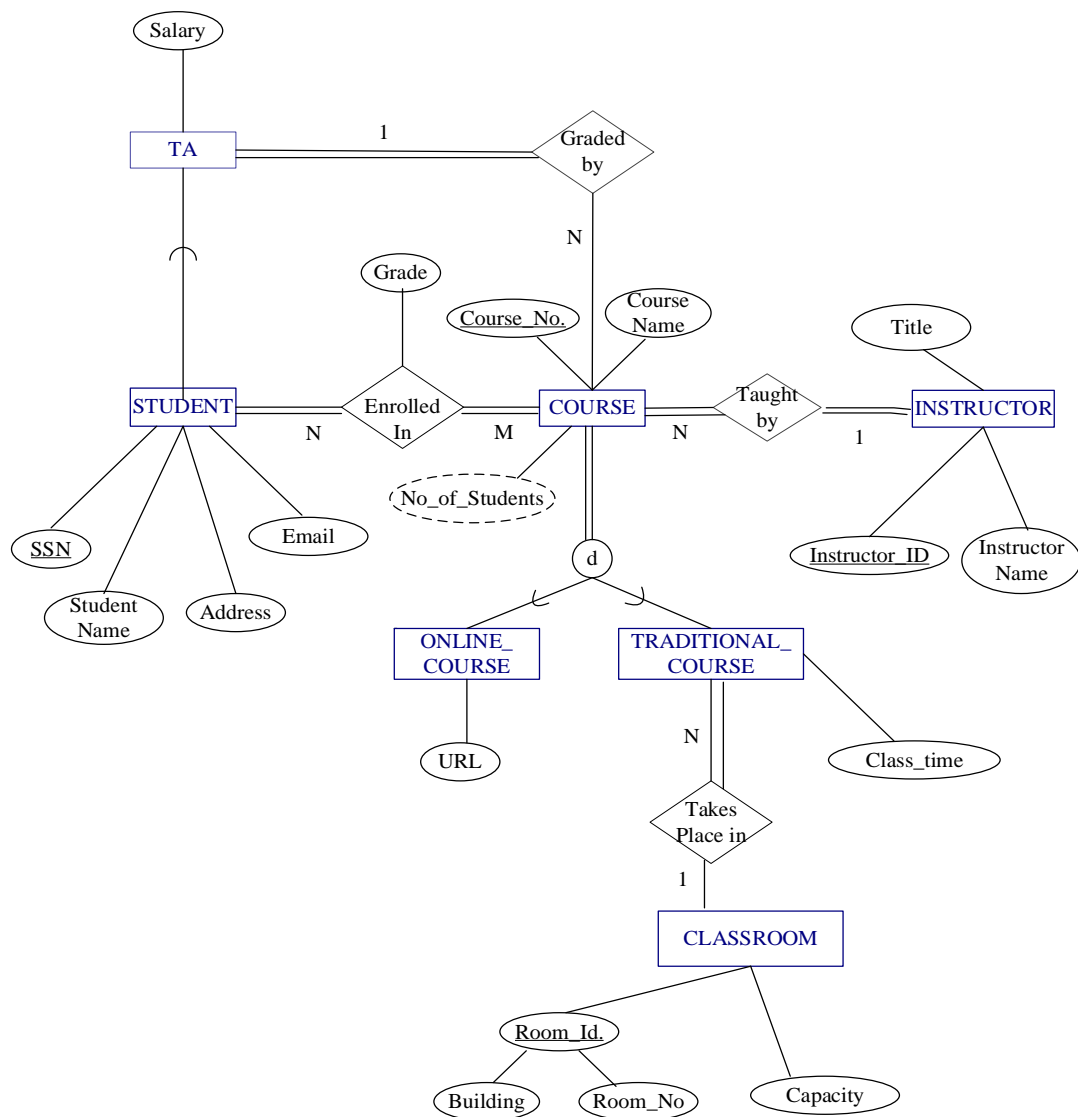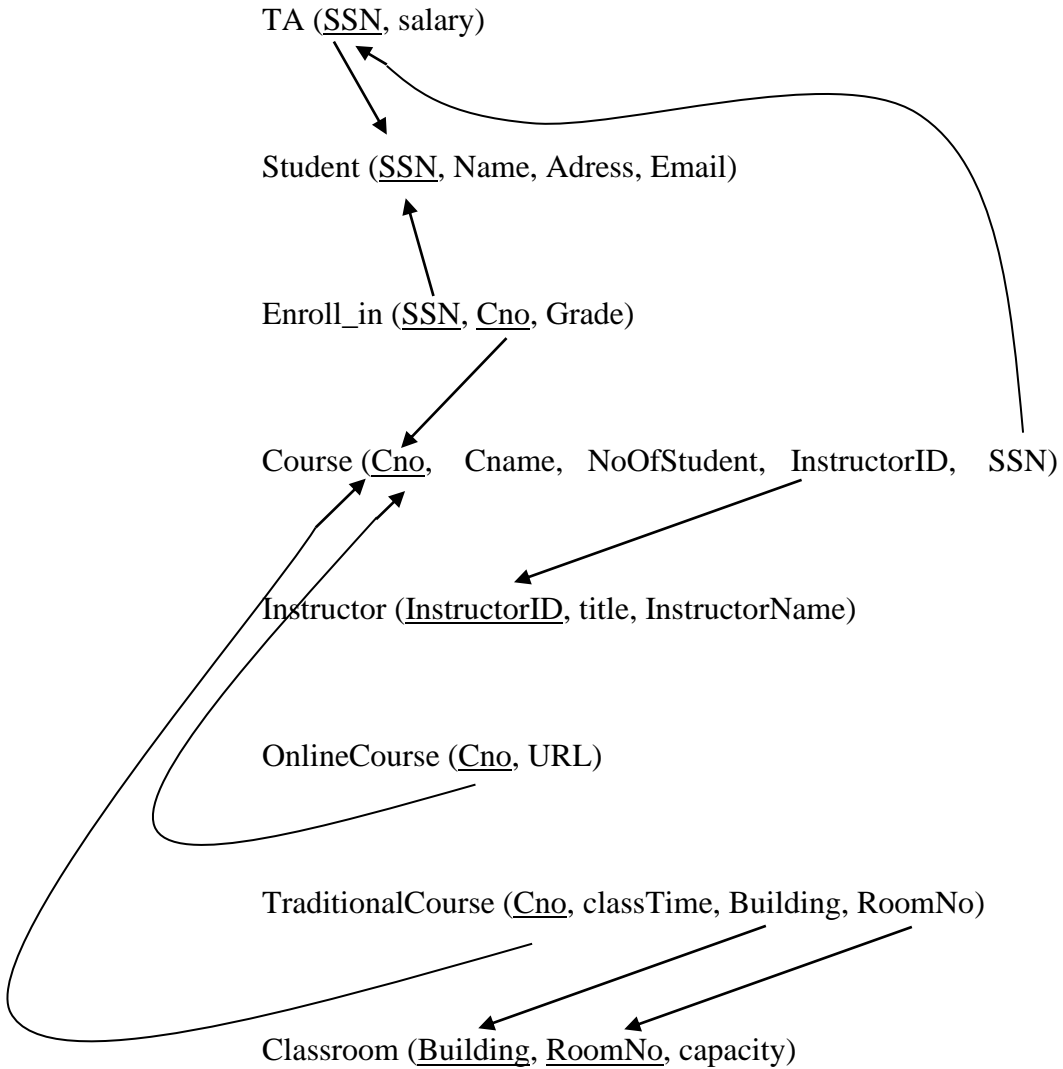Khanh Luu (301526589)
CSC 174

CSC 174 Fall 2020
Homework Assignment 2

Total: 100 points

Map the given EER into the relational model. Three are three options for mapping a specialization. Please use the option of "Create a table for each class (both superclass and subclass)". Please include all the relations and views (if there is any).

Your *homework must be typed* and submitted electronically through Canvas. Neither hard copy nor email submission will be accepted. You must submit a PDF file. Files in another format will not be accepted.

Khanh Luu (301526589)
CSC 174

TA (<u>SSN</u>, salary)

Student (<u>SSN</u>, Name, Adress, Email)

Enroll_in (<u>SSN</u>, <u>Cno</u>, Grade)

Course (<u>Cno</u>, Cname, NoOfStudent, InstructorID, SSN)

Instructor (<u>InstructorID</u>, title, InstructorName)

OnlineCourse (<u>Cno</u>, URL)

TraditionalCourse (<u>Cno</u>, classTime, Building, RoomNo)

Classroom (<u>Building</u>, <u>RoomNo</u>, capacity)

create view OnlineCourse_View as

    select   C.Cno, C.Cname, C.NoOfStudent, C.InstructorID, C.SSN, O.URL

    from   Course as C, OnlineCourse as O

    where   C.Cno = O.Cno ;

Khanh Luu (301526589)
CSC 174

```
create view TraditionalCourse_View as
        select  C.Cno, C.Cname, C.NoOfStudent, C.InstructorID, C.SSN, T.classTime,
                T.Building, T.RoomNo
        from    Course as C, TraditionalCourse as T
        where   C.Cno = T.Cno ;


create view TA_view as
        select  S.SSN, S.Name, S.Address, S.Email, A.Salary
        from    Student as S, TA as A;
        where   S.SSN = A.SSN ;
```