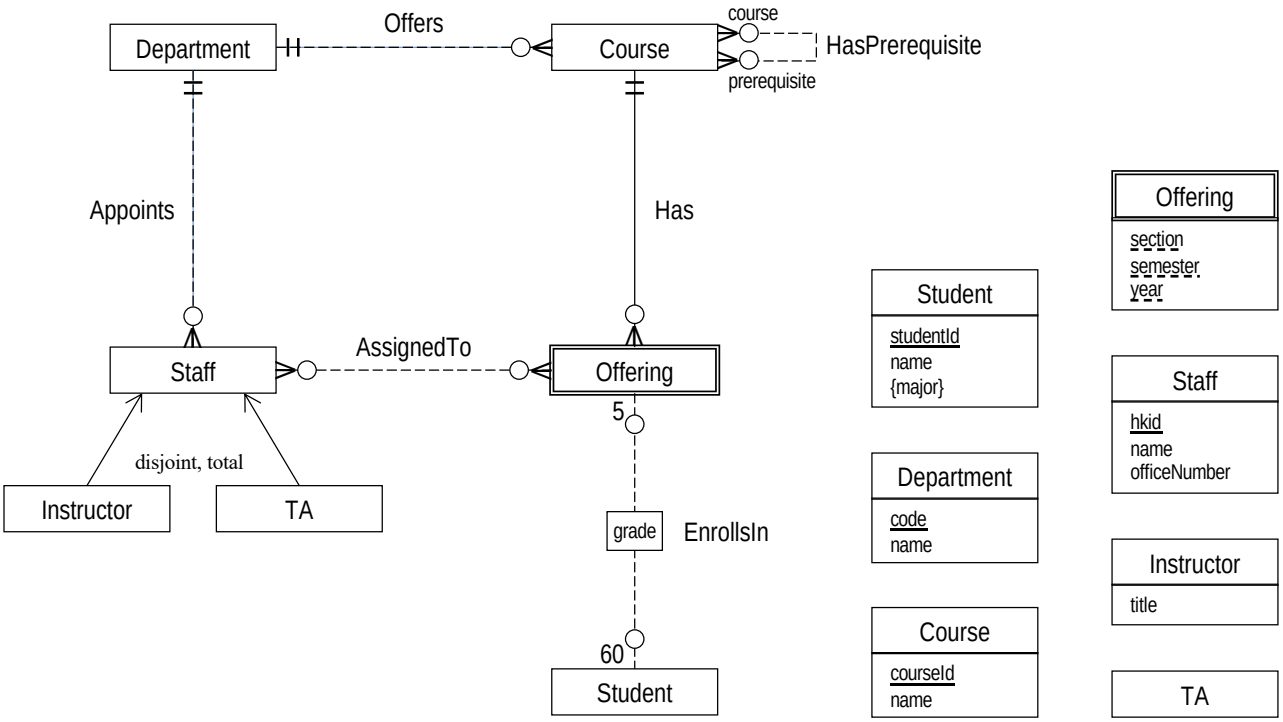
# COMP 3311: Database Management Systems

## Lecture 4 Exercises
## Relational Model and Relational Database Design

**Exercise 1:** Reduce the university E-R schema to relation schemas. Specify all keys and referential integrity constraints. Do not add any surrogate keys. ***Use schema combination where possible to reduce 1:1 and 1:N relationships.***




Do not upload this exercise sheet to Canvas.

**Name:** (1) _____/_____ **Student#:** (1) _____ **Date:** _____
Family/Given (PRINT) Given/First (PRINT)

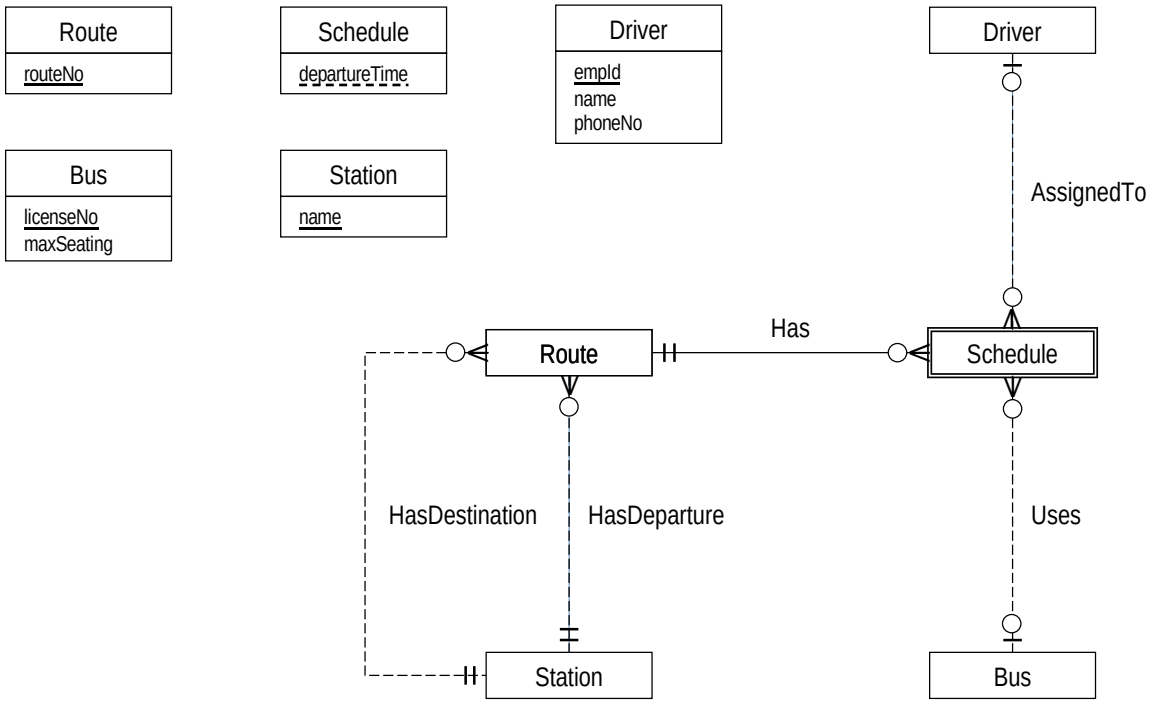
**Name:** (2) _____/_____ **Student#:** (2) _____
Family/Given (PRINT) Given/First (PRINT)

**NOTE: You are highly encouraged to do this exercise with a partner.**

# COMP 3311: Database Management Systems

## Lecture 4 Exercises
## Relational Model and Relational Database Design

**Exercise 2:** Reduce the bus company E-R schema to relation schemas. Specify all keys and referential integrity constraints. Do not add any surrogate keys. ***Use schema combination where possible to reduce 1:1 and 1:N relationships.***




You must upload this completed exercise sheet to Canvas by **11 p.m. today.**