Remember that a many to many relationship in a properly normalized database requires a linking table. we need this between users and courses, because each course can have multiple users and each user can be in multiple courses. The daughter of the error is something symbolic I left showing this many to many relationship.

The users table stores the name and contact information and their role. I considered storing the role Another table but the sadly against it because of this way is simpler. Disadvantage is a user cannot be a teacher in one course and a student in another course unless they have multiple accounts, but I don't think that will be an issue.

I have courses and sessions divided into different tables. the course table has the primary and secondary code. For example, for this course, the primary code is “CMPS” and the secondary code is “480”. The session code comes after this. Each course can have zero, one, or more sessions, but each session only has one course. Same type of thing for assignments and grades.

The bottom section of each box are use cases. this area needs polished a bit more probably.

