Unnormalized Form
Course ID
Course Name
Instructor ID
Instructor Name
Student ID
Student Name
Student DOB
Student Gender
Student Grade

1st NF
Course
Course ID
Course Name
Instructor ID
Instructor Name

Student
Course ID
Student ID
Student Name
Student DOB
Student Gender
Student Grade

2nd NF
Course
Course ID
Course Name
Instructor ID
Instructor Name

CourseStudent
Course ID
Student ID
Student Grade

StudentInfo
Student ID
Student Name
Student DOB
Student Gender

3rd NF
Course
Course ID (PK)
Course Name
Instructor ID (FK)

InstructorInfo
Instructor ID (PK)
Instructor Name

CourseStudent
Course ID (PK)
Student ID (PK)
Student Grade

StudentInfo
Student ID (PK)
Student Name
Student DOB
Student Gender