

# CS6307 Introduction to Big Data Management and Analytics for non CS-Majors

## Assignment 1

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# University Enrollment System

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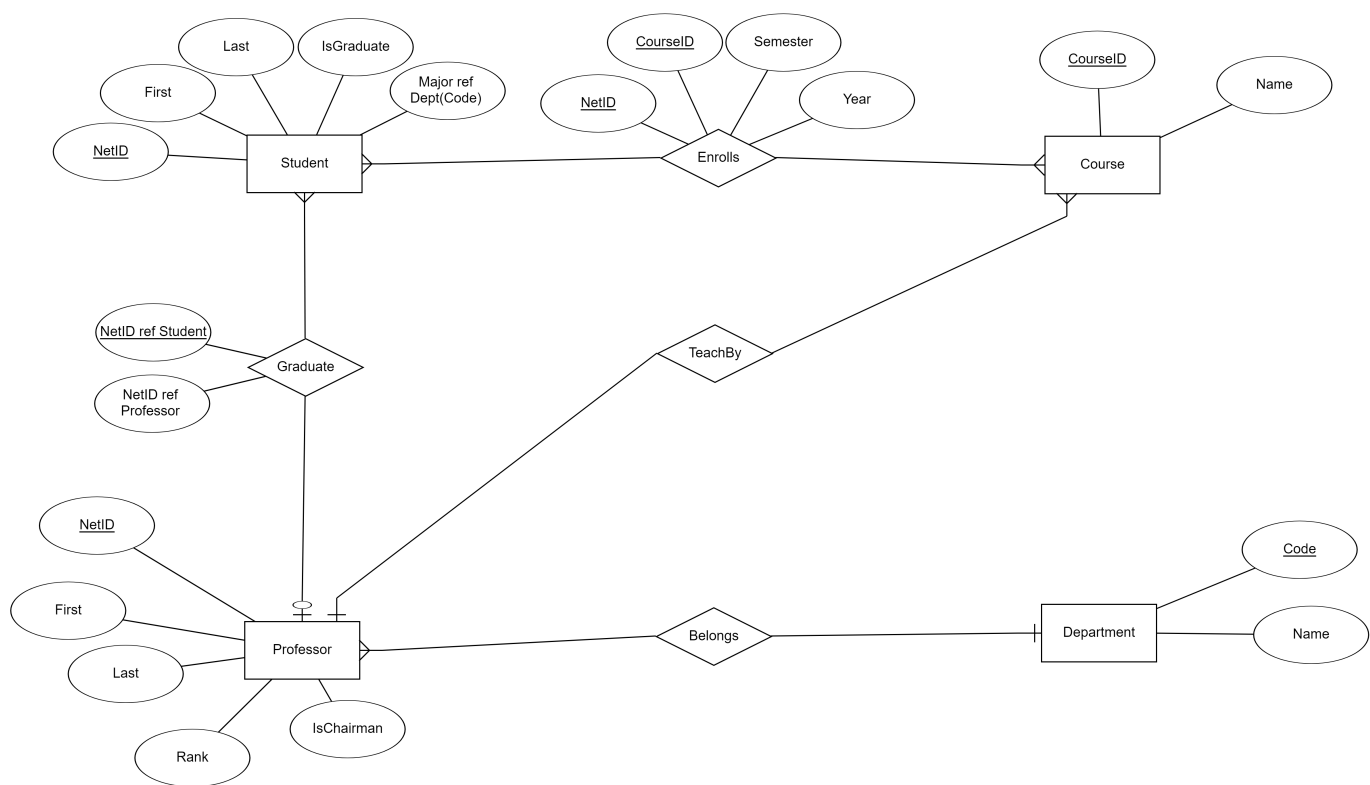
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# 1 Entity Relation Diagram



Note: Graduate Relation happens only if IsGraduate is true for Student entity.

## 2 Relational Model

Department (Code, Name)

Student (NetID, First\_Name, Last\_Name, Major(Department Code), IsGraduate)

Professor (NetID, First\_Name, Last\_Name, Rank, Department (Department Code), Is-Chairman)

Graduate (NetID (Student), Advisor (Professor NetID))

Course (Course\_ID, Course\_Name, TeachBy (Professor NetID))

Enrolls (Course\_ID, NetID (Student), Semester, Year)