1.UNIVERSITY DATABASE
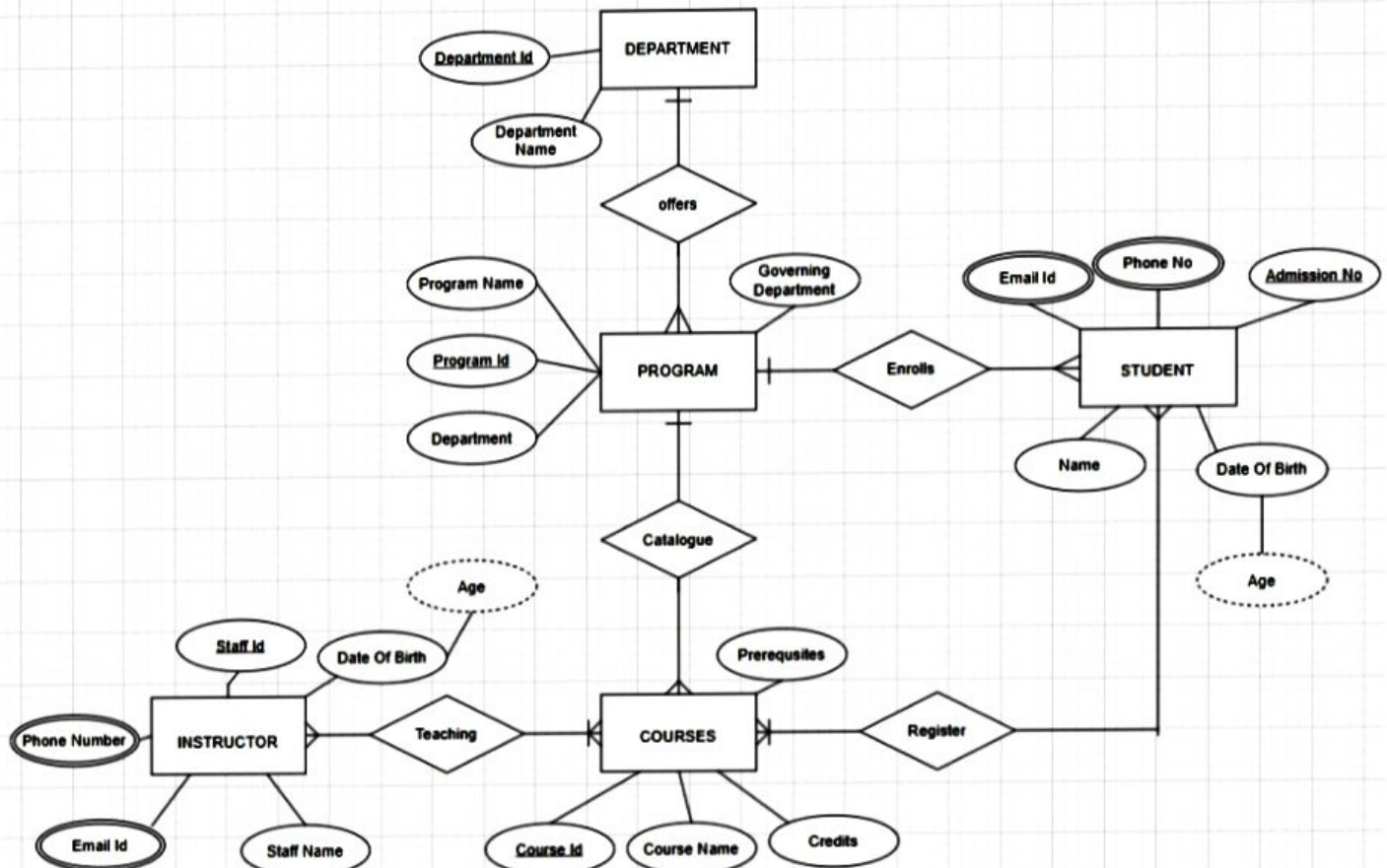

The entities in the system include **Department, Program, Student, Instructor,** and **Courses**, each chosen to represent key components of the University management system. Relationships like "Department offers Program" and "Student registers for Courses" connect these entities meaningfully. The concept of **prerequisites** is addressed through a self-referential relationship in the **Courses** entity, ensuring academic progression is maintained. Each entity and relationship contributes to the logical organization and functionality of the system. This structured approach ensures efficient management and accurate data representation.