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ER Diagram showing entities Student, course offerings, instructor, course with relationships entrols, teaches, is offered, and requires.

- Student attributes: program, name, sid
- entrols relationship with grade
- course offerings attributes: room, year, time, semister, section no
- teaches relationship
- instructor attributes: id.no, name, dept, title
- is offered relationship
- requires relationship: prerequisits, main course
- course attributes: syllabus, course.no, title, credits
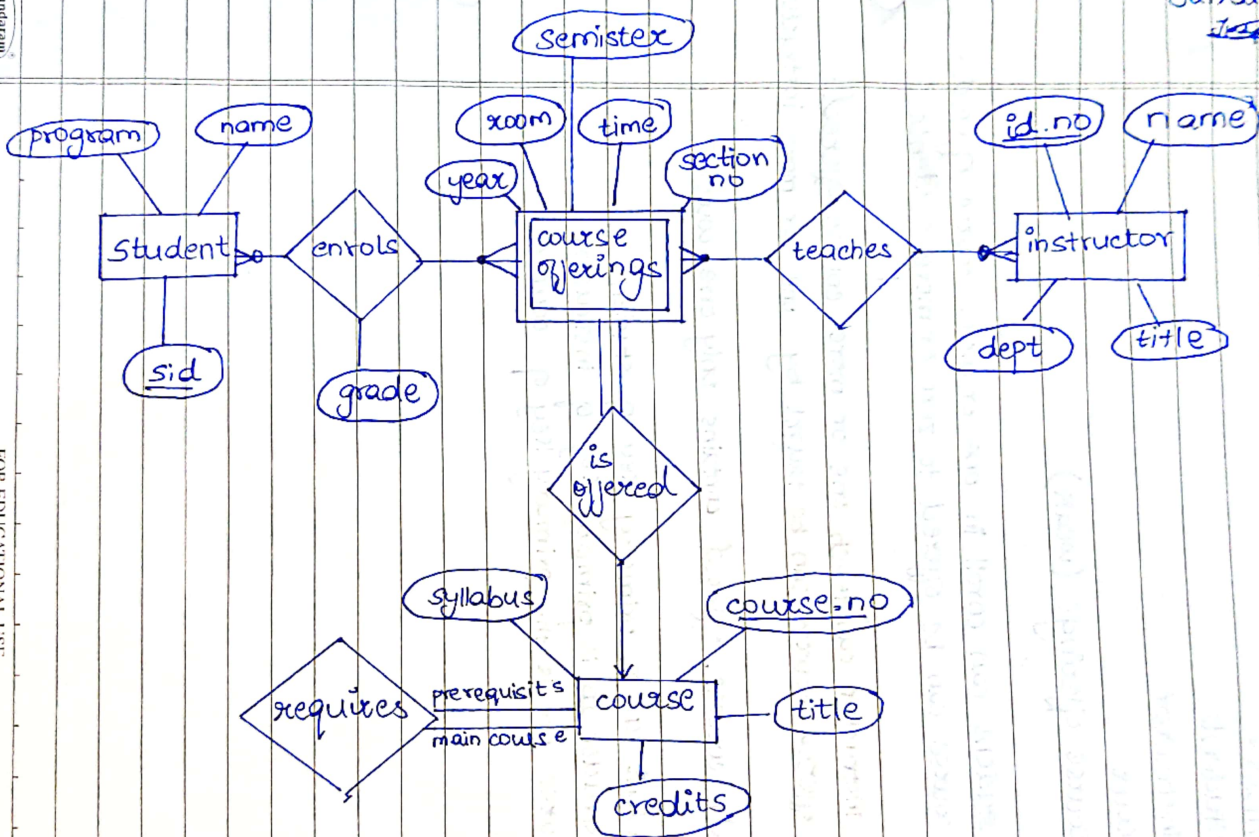
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Entities :-
- Student
- Instructor
- Course
- Course offerings (weak)

- A student can enroll in one or more course offered.
- A course can be offered to zero or more students

- An instructor can teach one or more course offered.
- An offered course can be taught by one or more instructors

- Each course offered contains only one course

- Student ID is primary key of student
- Instructor ID is primary key of instructor
- Course no is the primary key of course