ERD – Academic System (School)

Student

Field	Type	Description
student_id	INT (PK)	Unique identifier of the student
first_name	VARCHAR	Student first name
last_name	VARCHAR	Student last name
national_id	VARCHAR	Student national identification number
academic_status	VARCHAR	Student academic status. Allowed values: • REGULAR • FREE

Professor

Field	Type	Description
professor_id	INT (PK)	Unique identifier of the professor
first_name	VARCHAR	Professor first name
last_name	VARCHAR	Professor last name
email	VARCHAR	Institutional email address

Subject

Field	Type	Description
subject_id	INT (PK)	Unique identifier of the subject
name	VARCHAR	Subject name
level	INT	Academic level. Expected range: • 1 to 5
weekly_hours	INT	Weekly hours assigned to the subject

Course

Field	Type	Description
course_id	INT (PK)	Unique identifier of the course
year	INT	Academic year
term	INT	Academic term. Allowed values: • 1 to 4
shift	VARCHAR	Course shift. Allowed values: • MORNING • AFTERNOON • EVENING
subject_id	INT (FK)	Associated subject
professor_id	INT (FK)	Assigned professor

Enrollment

Field	Type	Description
enrollment_id	INT (PK)	Unique identifier of the enrollment
student_id	INT (FK)	Enrolled student
course_id	INT (FK)	Course the student is enrolled in
enrollment_date	DATE	Enrollment date
status	VARCHAR	Enrollment status. Allowed values: • ENROLLED • REGULAR • FREE • PASSED

Grade

Field	Type	Description
grade_id	INT (PK)	Unique identifier of the grade
student_id	INT (FK)	Evaluated student
subject_id	INT (FK)	Evaluated subject
score	INT	Numeric grade. Scale: • 0 to 10
evaluation_date	DATE	Evaluation date
result	VARCHAR	Evaluation result. Allowed values: • PASSED • FAILED

Prerequisite

Field	Type	Description
prerequisite_subject_id	INT (PK, FK)	Subject that must be passed beforehand
dependent_subject_id	INT (PK, FK)	Subject that depends on the prerequisite