



Relational Schema

Relational table specification
Table name: Department
Attributes
department_code (Primary Key, varchar(10))
office_number (varchar(50), not nullable)
administrator_name (varchar(100), not nullable)

Relational table specification

Table name: HeadOfDepartment
Attributes
department_code (Primary Key, Foreign Key, varchar(10), references Department(department_code))
special_responsibility_allowance (decimal(10, 2), not nullable)

Relational table specification
Table name: TeachingStaff
Attributes
staff_number (Primary Key, varchar(10))
name (varchar(100), not nullable)
salary (decimal(10, 2), not nullable)
type (varchar(50), not nullable) — used to differentiate between Academics and Teaching Assistants
department_code (Foreign Key, varchar(10), references Department(department_code))

Subclass of TeachingStaff

Relational table specification
Table name: Academic
Attributes
staff_number (Primary Key, Foreign Key, varchar(10), references TeachingStaff(staff_number))
grade (varchar(50), not nullable)

Subclass of TeachingStaff

Relational table specification
Table name: TeachingAssistant
Attributes
staff_number (Primary Key, Foreign Key, varchar(10), references TeachingStaff(staff_number))
contract_number (varchar(50), not nullable)

Module

Relational table specification
Table name: Module
Attributes
module_number (Primary Key, varchar(10))
topic (varchar(100), not nullable)

staff_number (Foreign Key, varchar(10), references Academic(staff_number)) — indicates the Academic responsible for this module.

TeachingAssistant_Module (Many-to-Many relationship between TeachingAssistant and Module)

Relational table specification
Table name: TeachingAssistant_Module
Attributes
contract_number (Foreign Key, varchar(50), references TeachingAssistant(contract_number))
module_number (Foreign Key, varchar(10), references Module(module_number))