

course – a course offered at the university (potentially several times)

Field name	Type	Key	Comment
course_id	int	PK	an integer ID for the course
course_code	char(20)		the official course code (e.g., “CCT395H”)
course_name	varchar(100)		the full name of the course
type	char(1)		“H” for half-year courses, “Y” for year-long

session – a session (semester) when courses can be offered

Field name	Type	Key	Comment
session_id	int	PK	an integer ID for the session
session_code	char(5)		the official session code (e.g., “20109”)
start_date	date		the start date of the session
end_date	date		the end date of the session

building – a building where classes can meet

Field name	Type	Key	Comment
building_id	int	PK	an integer ID for the building
building_code	char(5)		the official building code (e.g., “CCT”)
building_name	varchar(100)		the name of the building

room – a room where classes can meet

Field name	Type	Key	Comment
room_id	int	PK	an integer ID for the room
room_code	char(10)		the official room code (e.g. “CC2130”)
building_id	int	FK	the ID of the building where the room is located
capacity	int		the maximum number of people allowed in the room
projector	bool		does the room have a projector?

course_instance – a specific offering of a course (e.g., CCT395H in Fall 2010)

Field name	Type	Key	Comment
instance_id	int	PK	an integer ID of for course instance
course_id	int	FK	the ID of the course this instance belongs to
session_id	int	FK	the ID of the session to which this course instance belongs
room_id	int	FK	the ID of the room where the course meets
final_exam	bool		does the course have a final exam?

student – a student who can be enrolled in courses

Field name	Type	Key	Comment
student_id	int	PK	an integer ID for the student
last_name	varchar(100)		student’s last name
first_name	varchar(100)		student’s first name

enrollment – an enrollment of a specific student in a specific course

Field name	Type	Key	Comment
student_id	int	FK	the ID of the enrolled student
instance_id	int	FK	the ID of the course instance

1. In which building is room CC2130 located?
2. What courses meet in room CC2130 during session 20109?
3. How many courses meet in the CCT building during session 20109?
4. What is the maximum enrollment for courses meeting in room CC2130 during session 20109?
5. How many students are enrolled during session 20109 in courses that meet in the CCT building?
6. Is any room filled beyond capacity during session 20109?