

| Semester | | |
|----------|-----------------------------|----------------------|
| PK | sem_id | int, not null |
| | sem_year | char(4), not null |
| | sem_season | varchar(6), not null |
| | sem_num_weeks | smallint |
| | sem_start_date | datetime, not null |
| | sem_first_block_start_date | datetime |
| | sem_second_block_start_date | datetime |

| Schedule | | |
|----------|-------------|---------------|
| PK | schedule_id | int, not null |

| Schedule-Section | | |
|------------------|-------------|---------------|
| PK, FK | schedule_id | int, not null |
| PK, FK | section_id | int, not null |

| Course | | |
|--------|-----------------|-----------------------|
| PK | course_id | int, not null |
| | course_code | varchar(15), not null |
| | course_title | varchar(60),not null |
| | course_capacity | smallint |
| | course_credits | smallint, not null |
| FK | dept_id | int, not null |

| Section | | |
|---------|--------------------|-----------------------|
| PK | section_id | int, not null |
| FK | course_id | int, not null |
| FK | prof_id | smallint, not null |
| FK | classroom_id | int, not null |
| FK | semester_id | int, not null |
| | section_days | varchar(50), not null |
| | section_start_time | time, not null |
| | section_end_time | time, not null |
| | section_block | int, not null |
| | section_capacity | int, not null |

| Professor | | |
|-----------|------------|----------------------|
| PK | prof_id | smallint, not null |
| | prof_first | varchar(30),not null |
| | prof_last | varchar(30),not null |
| UQ | prof_email | varchar(50),not null |
| FK | dept_id | int, not null |

| Classroom | | |
|-----------|--------------------|-----------------------|
| PK | classroom_id | int, not null |
| | classroom_number | varchar(10), not null |
| | classroom_capacity | smallint, not null |
| FK | building_id | int, not null |

| Department | | |
|------------|-----------|-----------------------|
| PK | dept_id | int, not null |
| UQ | dept_name | varchar(50), not null |
| UQ | dept_code | varchar(4), not null |

| Building | | |
|----------|---------------|-----------------------|
| PK | building_id | int, not null |
| | building_code | varchar(10), not null |
| | building_name | varchar(50), not null |
| FK | campus_id | smallint, not null |

| User | | |
|------|------------|-----------------------|
| PK | user_id | int, not null |
| UQ | user_login | varchar(20), not null |
| | user_admin | char(1), not null |
| FK | dept_id | int |

| Campus | | |
|--------|-------------|-----------------------|
| PK | campus_id | smallint, not null |
| UQ | campus_name | varchar(50), not null |