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| **Student** | | |
| Field | Data Type | Constraints |
| id | Integer | Unsigned, 0-4294967395, not null, primary key |
| name | VarChar | 255 characters, not null |
| dept\_name | Varchar | 100 characters, not null, foreign key |
| tot\_cred | SmallInt | Unsigned, not null, 0-65535 |

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| **department** | | |
| Field | Data Type | Constraints |
| dept\_name | Varchar | 100 characters, not null, primary key |
| building | Varchar | 255 characters, not null |
| budget | Integer | Unsigned, 0-4294967395, not null |

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| **instructor** | | |
| Field | Data Type | Constraints |
| ID | Integer | Unsigned, 0-4294967395, not null, primary key |
| name | Varchar | 255 characters, not null |
| dept\_name | Varchar | 100 characters, not null, foreign key |
| salary | Integer | Unsigned, 0-4294967395, not null |

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| **course** | | |
| Field | Data Type | Constraints |
| course\_id | VarChar | 100 characters, not null, primary key |
| title | VarChar | 100 characters, not null |
| dept\_name | VarChar | 100 characters, not null, foreign key |
| credits | Integer | Unsigned, 0-4294967395, not null |

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| **prereq** | | |
| Field | Data Type | Constraints |
| course\_id | VarChar | 255 characters, not null, primary key, foreign key |
| prereq-id | VarChar | 255 characters, not null, primary key, foreign key |

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| **take** | | |
| Field | Data Type | Constraints |
| ID | Integer | Unsigned, 0-4294967395, not null, primary key |
| course\_id | VarChar | 255 characters, not null, foreign key |
| sec\_id | Integer | Unsigned, 0-4294967395,not null, foreign key |
| semester | VarChar | 255 characters, not null, foreign key |
| year | Integer | Unsigned, 0-4294967395, not null, foreign key |
| grade | VarChar | 100 characters |

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| **time\_slot** | | |
| Field | Data Type | Constraints |
| time\_solt\_id | VarChar | 255 characters, not null, primary key |
| day | VarChar | 255 characters, not null, primary key |
| start\_hour | Integer | Unsigned, 0-4294967395, not null, primary key |
| start\_min | Integer | Unsigned, 0-4294967395, not null, primary key |
| end\_hour | Integer | Unsigned, 0-4294967395, not null |
| end\_min | Integer | Unsigned, 0-4294967395, not null |

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| **teaches** | | |
| Field | Data Type | Constraints |
| ID | Integer | Unsigned, 0-4294967395, not null,primary key |
| course\_id | VarChar | 255 characters, primary key, not null, foreign key |
| sec\_id | Integer | Unsigned, 0-4294967395, not null, primary key, foreign key |
| semester | VarChar | 255 characters, not null, primary key, foreign key |
| year | Integer | Unsigned, 0-4294967395, not null, primary key, foreign key |

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| **advisor** | | |
| Field | Data Type | Constraints |
| s\_id | Integer | Unsigned, 0-4294967395, not null, primary key, foreign key |
| i\_id | Integer | Unsigned, 0-4294967395, not null, primary key, foreign key |

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| **section** | | |
| Field | Data Type | Constraints |
| course\_id | VarChar | 255 characters, not null, primarykey |
| sec\_id | Integer | Unsigned, 0-4294967395, pnot null, primary key |
| semester | VarChar | 255 characters, not null, primary key |
| year | Integer | Unsigned, 0-4294967395, not null, primary key |
| building | Varchar | 255 characters, not null, foreign key |
| room\_no | Integer | Unsigned, 0-4294967395, not null, foreign key |
| time\_solt\_id | VarChar | 255 characters, not null, foreign key |

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| **classroom** | | |
| Field | Data Type | Constraints |
| building | Varchar | 255 characters, not null, primary key |
| room\_no | Integer | Unsigned, 0-4294967395, not null, primary key |
| capacity | Integer | Unsigned, 0-4294967395, not null |