

# Das Universitätsschema mit Integritätsbedingungen

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**create table** Studenten

( MatrNr            **integer primary key**,  
  Name             **varchar(30) not null**,  
  Semester         **integer check Semester between 1 and 13**);

**create table** Professoren

( PersNr            **integer primary key**,  
  Name             **varchar(30) not null**,  
  Rang             **character(2) check (Rang in ('C2', 'C3', 'C4'))**,  
  Raum             **integer unique**);

**create table** Assistenten

( PersNr            **integer primary key**,  
  Name             **varchar(30) not null**,  
  Fachgebiet       **varchar(30)**,  
  Boss             **integer**,  
  **foreign key**     (Boss) **references Professoren on delete set null**);

**create table** Vorlesungen

( VorlNr            **integer primary key**,  
  Titel             **varchar(30)**,  
  SWS              **integer**,  
  gelesenVon       **integer references Professoren on delete set null**);

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**create table** hören

```
( MatrNr      integer references Studenten on delete cascade,  
  VorlNr      integer references Vorlesungen on delete cascade,  
  primary key (MatrNr, VorlNr));
```

**create table** voraussetzen

```
( Vorgänger   integer references Vorlesungen on delete cascade,  
  Nachfolger  integer references Vorlesungen on delete cascade,  
  primary key (Vorgänger, Nachfolger));
```

**create table** prüfen

```
( MatrNr      integer references Studenten on delete cascade,  
  VorlNr      integer references Vorlesungen,  
  PersNr      integer references Professoren on delete set null,  
  Note        numeric(2,1) check (Note between 0.7 and 5.0),  
  primary key (MatrNr, VorlNr));
```