**Relational Database**

**COURSE** (CID, PREFIX, CREDITHOURS, NAME)

**SCHEDULE** (SID, SEMESTER, START, END, WEEKDAYS, CID [FK], PREFIX [FK], SECTIONNUM [FK]), BUILDING [FK], ROOMNUMBER[FK],SMODALITY)

**LOCATION** (BUILDING, ROOMNUMBER, CAPACITY)

**INSTRUCTOR** (PROFID, FIRSTNAME, LASTNAME, STATUS, RANK, OFFICELOC, EMAIL, PLOAD, DEPARTMENT)

**INSTRUCTORPHONENUM** (PROFID [FK], PHONENUM)

**PREFERENCES** (PID, DAYS, STARTTIME, ENDTIME, MODALITY, PROFID [FK])

**SECTION** (SECTIONNUM, PREFIX [FK], CID [FK], BUILDING [FK], ROOMNUMBER [FK])

**TEACH** (SECTIONNUM [FK], PREFIX [FK], CID [FK], BUILDING [FK], ROOMNUMBER [FK], SID [FK], PROFID [FK])

Comments:

Derived attributes are not mapped in relational schemas! (from slides)

Pload -> SUM(Credit Hours) / 3 Grouped By PROFID