Entity: Schedule Assignment 3: The University System Attributes: Section\_Number (PK) Course\_Number (FK) Instructor\_ID (FK) Entity: Student Term\_Year Entity: Course Attributes: Attributes: Ν Course\_Number (PK) Student\_ID (PK) Ν Course\_Name First\_Name Last\_Name Course\_Description Enroll Course\_Units SSN Current Address Street Course\_Level Department\_Code (FK) Current Address City Current\_Address\_State Current Address Zip Current\_Phone Permanent\_Address\_Street Entity: Grades Permanent\_Address\_City Attributes: Permanent\_Address\_State Student\_ID (FK) Permanent\_Address\_Zip Belong Permanent\_Phone Section\_Number (FK) Letter\_Grade DOB Numeric\_Grade Gender 1 Class\_Level Major Department Code (FK) Entity: Department Minor\_Department\_Code (FK) Degree\_Program Attributes: Department\_Code (PK) Department Name (unique) Office\_Number Office\_Phone Tables Creation Steps: College Step 1: Each Entity turns into a separate table, key attributes identified in the diagram become table columns. Bolded attributes are the keys. Step 2: Multi-valued relationships turn into tables including the composite keys of the corresponding tables. See new "enrollment" table below. New Table Created in Step 2: Step 3: Single valued relationships can be ignored Table: Enrollment and/or eliminated from the final table list. Attributes: Enrollment\_Number (PK) Student\_ID (FK)

Section\_Number (FK) Course\_Number (FK)