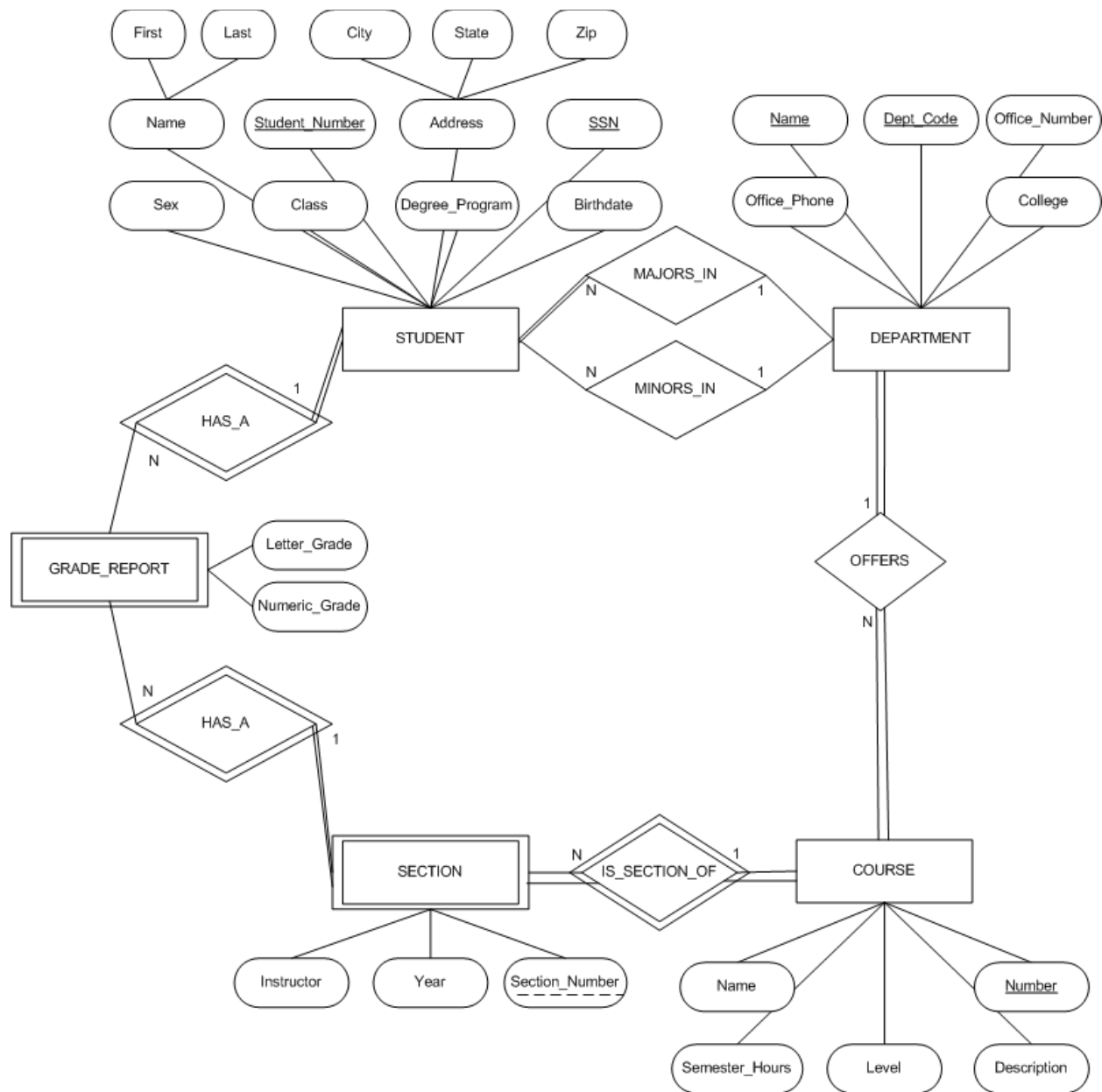# 1) ER Diagram for "UNIVERSITY database"

2) BANK database ER Diagram

a) List the (nonweak) entity types in the ER diagram

      BANK, ACCTS, LOANS, and CUSTOMER

b) Is there a weak entity type? If so, give its name, partial key, and identifying relationship.

      Yes, BANK_BRANCH is a weak entity type

      name: BANK_BRANCH

      partial_key: {BANK.Code, BANK_BRANCH.Branch_no}

      identifying relationship: a BANK_BRANCH is a branch of a BANK

c) What constraints do the partial key and the identifying relationship of the weak entity type specify in this diagram?

      Each BANK_BRANCH is uniquely identified by a branch_no and a BANK Code.

      Each Bank Branch is a Branch of exactly 1 BANK.