**RELATIONAL SCHEMA**

(ER TO RELATIONAL MAPPING)

**STAFF\_MEMBER:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| STAFF\_ID (PK) | FNAME | MNAME | LNAME | NATIONAL\_ID | DEPARTMENT\_  NUMBER (FK) |

**STUDENT**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| STUDENT\_ID (PK) | NATIONAL\_ID | FNAME | MNAME | LNAME | ADDRESS |

**DEPARTMENT**:

|  |  |  |  |
| --- | --- | --- | --- |
| DEPARTMENT\_NUMBER (PK) | DEPARTMENT\_CODE | NAME | STAFF\_ID (FK)  (FOR MANAGER) |

**COURSE**:

|  |  |  |  |
| --- | --- | --- | --- |
| COURSE\_ID (PK) | NAME | CREDITS | DEPARTMENT\_NUMBER (FK) |

**PROFESSOR**:

|  |
| --- |
| STAFF\_ID (PK)(FK) |

**TEACHING\_ASSISTANT:**

|  |
| --- |
| STAFF\_ID (PK)(FK) |

**ENROLLMENT**:

|  |  |  |  |
| --- | --- | --- | --- |
| COURSE\_ID (FK) | STUDENT\_ID (FK) | YEARLY\_PERFORMANCE\_GRADE | FINAL\_EXAM\_GRADE |

\*primary key of this table is the combination of the first 2 cells

**TEACHING**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STAFF\_ID (FK)  [FROM PROFESSOR RELATION] | STAFF\_ID (FK)  [FROM TEACHING ASSISTANT RELATION] | COURSE\_ID (FK) | GRADING\_SYSTEM | RECOMMENDED\_MATERIAL |

\*primary key of this table is the combination of the first 3 cells