**BIS 2204 Database Languages (4 CU)**

**Course Description:** Upon completion of this course, the student should: Have knowledge of database definition and manipulation languages; Be able to use SQL, Advanced SQL, QBE, Visual Basic to perform data search, storage and other data processing techniques on a relational database schema.

**Indicative Content:** The course will give in-depth knowledge about the commonly used database manipulation languages. Based on a relational database schema, the course will illustrate the use of these languages in manipulating databases. Topics include: a brief introduction to relational database schemas; Database languages (SQL, Advanced SQL, Query-By-Example (QBE), Visual Basic.

**Reference Book:**

i. C. Coronel, *Database Systems: Design, Implementation and Management*, 6th edition, Course

Technology, 2004.

ii. R. Ramakrishnan and J. Gehrke, *Database Management Systems,* McGraw-Hill Higher Education;

3rd edition, 2002.