

BMUH 526 Information Management Systems

| | |
|---|-------------------------------------|
| Course Code: | BMUH 526 |
| UTAA Credit (Theoretical-Laboratory hours/week): | 3(3-0) |
| ECTS Credit: | 6.0 |
| Department: | Electrical and Computer Engineering |
| Language of Instruction: | English |
| Level of Study: | Graduate |
| Offered Semester: | Fall and Spring Semesters. |

Course Objectives

The understanding of database modules and their interrelations is the introductory goal of the course. Additionally, understanding of modern techniques and algorithms used in the realization of each module are the other objectives. Eventually, examination of system integrity with performance concerns is one of the important purposes of this course

Course Content

System implementation methods of database management systems. Disk-based advanced data structures. System planning and execution methodologies

Course Learning Outcomes

- 1- Have detailed information about the tasks and working principles of database system modules and itself
- 2-Understand the implementation of a database management system consisting of multi modules
- 3-Understand the complex data structures in system implementation and can analyze their differences
- 4-Can come up with ideas on designing new data structures
- 5-Can make changes in some parts of the database system, analyze the effects of these changes on the operation of the system