



TURKISH REPUBLIC
FIRAT UNIVERSITY
COLLEGE OF TECHNOLOGY
DEPARTMENT OF SOFTWARE ENGINEERING

COURSE SYLLABUS
YMT537 Information Engineering

Location: Lecture and Lab: Software Engineering Building

Class meeting times:	Lab meeting time:	Instructor:	Teaching Assistant
	-	Prof. Dr. İbrahim TÜRKOĞLU	-

Office hours: Please see the notice board outside each faculty member's office.

Course description: This course includes performance monitoring and query optimization settings in central and distributed information systems and information store design and maintenance.

Course objectives: This course addresses the information engineering methods. The purpose of this course is to realize a system design according to one of knowledge engineering techniques. Students to acquire the skills required in this course are as follows:

- Capable of Mathematics, science, and engineering sciences, scientific issues and problems in the application of software engineering
- Within the framework of the rules of ethics to science in a new area of innovation will add the ability to apply a known method or gaining
- Ability to working single and multi-diciplinary teams
- Identify, define, design, analyze and solve engineering problems
- Vocational and ethical responsibility
- Necessary for engineering practice techniques, technologies and skills to use modern tools.
- Students will demonstrate knowledge of the distinction between critical and non-critical systems.
- Ability to monitor technological innovations and the consciousness of life-long learning.
- Students will demonstrate proficiency in rapid software development techniques
- Students will demonstrate an understanding of the proper contents of a software requirement document.
- To have knowledge of and understand the data, algorithm development
- Ability to design, test and experiment to analyze and interpret data



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Prerequisite: Prerequisites: eligibility for YMT 111, MAT161, FIZ111, basic keyboarding, and PC skills.

Textbook

Cover T.M., Thomas J.A., - Elements of Information Theory, John Wiley & Sons Inc.,
D.J.C. MacKay, Information Theory, Inference, and Learning Algorithms, Cambridge University Press 2003.

Course requirements:

Assignments: Students will be required to complete six programming assignments. Students will be given two weeks to complete each assignment. Five of the assignments will count towards the final grade, giving student the option to drop their lowest graded assignment.

Exams: Three exams, including the final exam, will be given. Students will be given at least one week's notice of the exam dates. All examinations are written examinations. There are no make-up examinations available for any student. If a student has an excused absence exam, the University Regulation will be applied.

Grading plan: First exam	40%
Final exam	60%

≥ 90	\Rightarrow	A
≥ 80 but < 90	\Rightarrow	B



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≥ 70 but < 80	\Rightarrow	C
≥ 60 but < 70	\Rightarrow	D
< 60	\Rightarrow	F

Class participation

In accordance with University Policy, regular attendance is required; however, no points will be awarded or subtracted based on your attendance. You are responsible for all material covered in every class, regardless of whether you attended or not. It is your responsibility to obtain notes, assignments, etc., from fellow class members if you miss a class.

Academic dishonesty

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The university and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials. No cheating on an examination or assignments is allowed. A score of zero will be given to the student if such a case occurred.

Rules of conduct

Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Please turn off or mute your cellular phone and/or pager before class begins. Students are prohibited from eating in class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking among each other at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a, minimally, a directive to leave class or being reported to the Dean of Students for disciplinary action in accordance with university policy.



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Visitors in the classroom

Occasion visiting of classes by responsible persons is allowed with prior arrangement with the instructor, as long as it does not interfere with the registered members of the class or the educational process.

Disabilities

According to University policy requests for accommodations must be initiated by the student. A student seeking accommodations should go to the Deans of Students for instructions.

Religious Holidays

An institution of higher education shall excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.