

Quickstart Guide:
BIM437 Computer Engineering Design & BIM444 Computer Engineering Applications

I. Introduction

- Preparing a BSc thesis is one of the graduation requirements of the BSc program.
- The BSc thesis is simply a research project on recent topics of Computer Engineering and must be prepared as a team consisting of 2-3 students under the supervision of an instructor from the department.
- The BSc thesis consists of two courses, namely “BIM437 Computer Engineering Design” and “BIM444 Computer Engineering Applications”, which should be registered in two consecutive semesters (7th and 8th) under normal circumstances. The thesis is expected to be designed in BIM437 and implemented in BIM444.
- A student must pass all courses from the first four semesters of the curriculum, have at least 150 ECTS and 2.00 GPA to be able to register to BIM437. A student must pass all courses from the first four semesters of the curriculum, have at least 150 ECTS and 2.0 GPA, and pass BIM437 as well to be able to register to BIM444.
- There is no resit exam for neither BIM437 nor BIM444.

II. BIM437 Computer Engineering Design

- At the beginning of the semester, a thesis topic is determined with the consensus of the team and their supervisor. The team and the supervisor have weekly follow-up meetings to evaluate the progress.
- A thesis proposal report (both in English and Turkish) together with a presentation (in English) is prepared using the report template provided by “TUBITAK 2209-A Research Project Support Programme for Undergraduate Students” or “TUBITAK 2209-B Industry Oriented Research Project Support Programme for Undergraduate Students”.
- The proposal report and presentation (in English) are presented to and graded by the jury composed of the instructors of the department. The date of the presentation is announced by the department within the semester.
- The proposal report (in Turkish) is submitted to TUBITAK 2209-A/B Program. The program details and submission schedule are announced by TUBITAK.
- A midterm exam on “Project management, risk management and change management; Entrepreneurship and sustainable development; The effects of engineering applications on health, environment, and security in universal and social aspects; Issues reflected to the engineering field of the age; Legal issues in computer security” is taken. The related course materials are provided by the supervisor. The date of the exam is announced by the department within the semester.
- A proficiency exam on Computer Programming (Java), Data Structures and Algorithms, Computer Networks, Operating Systems, Database Management Systems, Microcomputers, and Computer Architecture is taken as well.
- Grading Policy: Midterm Exam (15%) + Proficiency Exam (20%) + Thesis Proposal (65%)
- Grading Scale: 100-85 (AA); 84-80 (AB); 79-75 (BA); 74-70 (BB); 69-65 (BC); 64-60 (CB); 59-55 (CC); 54-50 (CD); 49-45 (DC); 44-40 (DD); 39-0 (FF).

III. BIM444 Computer Engineering Applications

- The implementation of the project is carried out based on the design details composed in BIM437. The team and the supervisor have weekly follow-up meetings to evaluate the progress.
- A midterm exam on “Ethics and Engineering Ethics, Ethical Issues in Computer Engineering, IT Ethics and Law” is taken. The related course materials are provided by the supervisor. The date of the exam is announced by the department within the semester.
- A project poster is prepared and presented in the Traditional Project Fair and Competition organized by our faculty and Eskişehir Chamber of Industry. The schedule of the fair is announced within the semester. Irregular students who registered to BIM444 in Fall must prepare a poster too, even if the project fair is organized in Spring.
- At the end of the semester, a thesis report (template available in <https://ceng.eskisehir.edu.tr/tr/Icerik/Detay/bitirme-projeleri-2>) and presentation are prepared for the completed project. Then, the project is presented to and graded by the jury composed of the instructors of the department. The date of the presentation is announced by the department within the semester.
- Grading Policy: Midterm Exam (15%) + Project Fair Poster & Enrollment (20%) + Thesis Report and Presentation (65%)
- Grading Scale: 100-85 (AA); 84-80 (AB); 79-75 (BA); 74-70 (BB); 69-65 (BC); 64-60 (CB); 59-55 (CC); 54-50 (CD); 49-45 (DC); 44-40 (DD); 39-0 (FF).

Note: All the regulations above are subject to change if required.

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