CIVIL ENGINEERING DEPARTMENT

- Mission
- Management
- Education
- Main research & Topics
- Scientific studies
- Department activities

www.eng.harran.edu.tr/insaat/
CIVIL ENGINEERING DEPARTMENT

Mission

* Has a systematic research
* Has a defending & extroverted research
* With theoretical and experimental modelling ability
* Can use advanced methods & technologies
* Has an effective oral & written communication
* With group & individual work culture
* Has professional ethics & aware of own responsibilities
* Has a researcher spirit during good behavior

TO TRAIN CIVIL ENGINEERS...

www.eng.harran.edu.tr/insaat/
Management

* Head of department : Prof. Dr. Ziraddin MAMMADOV
* Assistant of head : Doç. Dr. Kasım YENİGÜN
* Secretariat : Sait BAŞDAĞ, Şeref DÖĞER
* Commissions : There are 13 commissions.

www.eng.harran.edu.tr/insaat/
Commissions of Civil Engineering Department

1. Commission about transferring inland universities
2. Procurement of materials & fixtures
3. Courses schedule & date of exams prepare commission
4. Graduation commission
5. Probation commission
6. Exoneration & adaptation commission
7. Laboratories & research commission
8. Sport & social activities commission
9. Commission of conference symposium & seminar
10. Master’s degree student commission
11. Informatics commission
12. Forgive review student commission
13. Erasmus-Farabi commission
CIVIL ENGINEERING DEPARTMENT

Academic staff (2013)

* Professor : 2
* Associate Prof. : 3
* Assistant Prof. : 6
* Research assistant : 5

www.eng.harran.edu.tr/insaat/
CIVIL ENGINEERING DEPARTMENT

Departments

* Mechanics Division
* Geotechnic Division
* Structural Division
* Transportation Division
* Hydraulic Division

www.eng.harran.edu.tr/insaat/
Undergraduate education

* Up to 2012-2013  Graduated student : 118
* In 2012-2013  undergraduated student : 554
* Total given lectures : 62
* Compulsory lectures : 52
* Multiple-choice courses: 10
* Total required credits: 179
Mechanical, structural, geotechnical, hydraulic Departments of Transportation and The Master's program is carried out. As of 2013, the department does not have a doctorate program. PhD program is expected to open in the near future.

Total number of students in Master's Degree : 36
Total number of students graduating from Master's Degree : 28
CIVIL ENGINEERING DEPARTMENT

Laboratories

* Structures Laboratory
* Mechanics Laboratory
* Transportation Laboratory
* Materials of structure Laboratory
* Geotechnic Laboratory
* Hydraulic Laboratory

www.eng.harran.edu.tr/insaat/
CIVIL ENGINEERING DEPARTMENT

Research Subject

* Structural Analysis
* Structural Dynamics
* Structural Stability
* Analysis of defective structures
* Masonry Structures
* Design of earthquake-resistant structures
* Determination of Seismic Safety of Reinforced Concrete and Masonry Buildings
* Principles of construction of reinforced concrete and masonry buildings

www.eng.harran.edu.tr/insaat/
Optimum Design with Genetic Algorithms
Use of Artificial Neural Networks in Engineering
Seismic Isolation and Semi-Active Control of Structures
Destructive and Non-Destructive Testing Methods of Structures
Evaluation of Waste Material
Material Technology, Production and Standards
Research subject

* Water structures
* Hydraulic
* Soil mechanics
* Foundation engineering
* Safety of Dam
* Spillways
* Statistical Applications in Engineering
* Hydrologic Analysis and Design
Especially in the Construction Materials Laboratory renovated to a certain extent. However, both the equipment and technical personnel shortage continues.

Contributions and shortcomings of projects should be encouraged to complete the work.

Laboratory uses the graduate students are given support by the faculty advisor to the Hübak project to prepare the students to strive to be appropriate.
Reinforced concrete, steel, wood, precast concrete, prefabricated and static and dynamic analysis and design of composite structural systems

Account the non-linear structural systems in terms of material and geometry changes

Methods of analysis and strengthening of damaged structures

Experimental investigation of composite structural elements

www.eng.harran.edu.tr/insaat/
Examination of non-destructive tests of strength of materials on existing buildings
Mechanical behavior and durability of cement-based materials
Designing of flood control structures
Civil engineering applications of artificial intelligence methods
Supporting urban deep foundation pits

www.eng.harran.edu.tr/insaat/
✓ Soil investigations, foundation design and determination of dynamic soil
✓ Railways and urban rail systems (metro, light rail, tram) design and feasibility studies
✓ Highway and railway engineering
✓ Transportation plans
The department faculty members, as well as a large part of the teaching and research activities, especially Şanlıurfa Civil Engineers (İMO) IMO branches, including the neighboring provinces and contributions to the profession have contributed Learning Courses, seminars and is still continuing.
As of 2008, serves the department web page. Information and announcements are constantly updated.

http://eng.harran.edu.tr/insaat/index.htm

www.eng.harran.edu.tr/insaat/
What can be done in education?

* Department meetings of the Academic Council of the opinions that the course content accordingly evaluated and replaced with the curriculum.
* Before starting a new core courses to students entering the department, the department should be the introduction of civil engineering education is also introduced and the place and the future vision of the profession should be a good introduction.
* The most important problem in undergraduate education students to remain weak communication and counseling should be provided the better functioning of the institution.

[www.eng.harran.edu.tr/insaat/]
What can be done in education?

* Studies on the practical lessons for the students to learn by seeing, and students should be encouraged to participate in these activities.
* To allow the student extra-curricular hours in the "Web" should be expanded based on the use of the system.
* Participation in activities and participation of students in technical excursions, should be encouraged to enter competitions.
What can be done in education?

- Students should be helped to learn foreign language technical.
- Students with homework, reports and thesis writing rules should assist with.
- Students are also encouraged to conduct research and group work.
- Accordance with the objectives of strategic planning and dynamic new studies are needed.
What can be done in education?

- Laboratories support (personnel, equipment and accreditation for money) is needed.
- New projects, equipment and technical personnel (temporary research assistants) can be reinforced. (workaround)
- Conferences and seminars can be arranged.
- Technical excursions can be arranged.

www.eng.harran.edu.tr/insaat/
Relationship with professional associations and training can be improved. (Standards, competent engineering, ...)

Organized social activities that allow members of the staff to get to know each other.

Increased dialogue with other civil engineering departments in Turkey and around the world.

www.eng.harran.edu.tr/insaat/
For suggestions and questions

Prof. Dr. Ziraddin Mammadov
zireddin@harran.edu.tr

Doç. Dr. Kasım YENİĞÜN
kyenigun@harran.edu.tr

www.eng.harran.edu.tr/insaat/