İÇM309 - SURVEY AND RESTORATION - Güzel Sanatlar Fakültesi - İç Mimarlık Bölümü

General Info

Objectives of the Course

The aim of this course is to teach students the process of measuring, documenting, and preparing technical drawings of existing structures. Students learn to perform accurate and reliable measurements and produce drawings based on these measurements. After the midterm, the course progresses through applied project work.

Course Contents

Concept and importance of rölöve Measurement techniques and instruments Floor plan, elevation, and plan drawing techniques Methods for extracting sections and views Perspective and isometric drawings Project preparation and applied rölöve studies

Recommended or Required Reading

Ahunbay, Z. (1996). Historical environmental protection and restoration. Istanbul: Yapı Endüstri Publishing House. Uluengin, B. (2013). Surveying. Istanbul: Yapı-Endüstri Center. Madran, E, Özgönül, N. 2007; Protection of Immovable Cultural Heritage; Principles, legislation, methods, and practices. Chamber of Architects Continuous Professional Development Center Publications. Istanbul.

Planned Learning Activities and Teaching Methods

Lectures and presentations (theoretical knowledge transfer) Demonstration and practice (measurement and drawing exercises) Question and answer (student engagement) Project-based learning (applied work after midterm)

Recommended Optional Programme Components

Reviewing course materials in advance is recommended. Students should come prepared for measurement and drawing exercises (ruler, scale, pencil, etc.). Attendance in field trips for project work is important. Students are expected to actively participate and collaborate in teams

Instructor's Assistants

Does not exist.

Presentation Of Course

The course is delivered through theoretical lectures and visual examples. Measurement and drawing techniques are demonstrated and practiced. After the midterm, the course progresses through applied project work based on students' rölöve projects. Course materials are provided via synchronous/asynchronous methods.

Dersi Veren Öğretim Elemanları

Inst. İlksen Alveroğlu

Program Outcomes

1. Measure and document the current condition of buildings.
2. Prepare floor plans, elevations, and section drawings.
3. Ensure accuracy and compliance with standards in measurements and drawings.
4. Explain the theoretical stages of the rölöve process and evaluate it conceptually.
5. Learn traditional and modern rölöve techniques and recognize the instruments and measurement devices used.

Weekly Contents

| Order | PreparationInfo | Laboratory | TeachingMethods | Theoretical | Practis |
|---|---|---|---|---|---|
| 1 | • *Ministry of National Education. (n.d.). Survey (Building Project Drawing). Vocational Qualifications and Certification Department. https://megep.meb.gov.tr/mte_program_modul/moduller_pdf/R%C3%B6l%C3%B6ve.pdf | | Lecture. | Course introduction, concept and importance of rölöve. | |
| 2 | Kar, B. Ç., Dereli, M., & Yaldız, E. (2024). Deterioration of Monumental Stone Structures: The Example of Afyonkarahisar Gedik Ahmet Pasha (Imaret) Mosque. PLANARCH - Design and Planning Research, 8(1), 113-126. https://doi.org/10.54864/planarch.1456579 | | Lecture, slides, discussion | Deterioration in monumental structures. | |
| 3 | • *Ministry of National Education. (n.d.). Survey (Building Project Drawing). Vocational Qualifications and Certification Department. https://megep.meb.gov.tr/mte_program_modul/moduller_pdf/R%C3%B6l%C3%B6ve.pdf | | Lecture, slides, drawing and field practice. | History of rölöve, types of rölöve, formation of rölöve teams | |
| 4 | • *Ministry of National Education. (n.d.). Survey (Building Project Drawing). Vocational Qualifications and Certification Department. https://megep.meb.gov.tr/mte_program_modul/moduller_pdf/R%C3%B6l%C3%B6ve.pdf | | Lecture, slides, drawing and lab practice. | Instruments used in rölöve, sketching and photographing | |
| 5 | *https://www.youtube.com/watch?v=gS__sZkouHU **https://www.youtube.com/watch?v=s4sH-49jWho&t=89s ***https://www.youtube.com/watch?v=7unQTCg6mDI&t=17s | | uygulaması Lecture, drawing exercises. | Traditional rölöve techniques and triangulation method. | |
| 6 | *https://www.youtube.com/watch?v=gS__sZkouHU **https://www.youtube.com/watch?v=s4sH-49jWho&t=89s ***https://www.youtube.com/watch?v=7unQTCg6mDI&t=17s | | Practical session, drawing exercises. | Application of triangulation concept. | |

| Order | PreparationInfo | Laboratory | TeachingMethods | Theoretical | Practis |
|---|---|---|---|---|---|
| 7 | *https://www.youtube.com/watch?v=RtGD6u-s0dk | | Practical session, fieldwork, drawing. | Rölöve measurement process and practice | |
| 8 | | | | MIDTERM EXAM. | |
| 9 | **There is no preparation information as there is in-class control and practice in groups every week. | | Lecture and discussion. | Planning of survey projects and explaining how to create a monument ticket. | |
| 10 | **There is no preparation information as there is in-class control and practice in groups every week. | | Lecture and demonstration. Practical session, fieldwork, drawing. | Selecting an existing building, sketching and photographing process, data collection. | |
| 11 | **There is no preparation information as there is in-class control and practice in groups every week. | | | | Introdu project applicat field an measur prepara Project applicat perform measur and dat collectic |
| 12 | **There is no preparation information as there is in-class control and practice in groups every week. | | Application | | Project applicat perform measur and dat collectic |
| 13 | **There is no preparation information as there is in-class control and practice in groups every week. | | | | Project applicat floor pl elevatio sections |
| 14 | **There is no preparation information as there is in-class control and practice in groups every week. | | | | Project applicat floor pl elevatio sections |
| 15 | **There is no preparation information as there is in-class control and practice in groups every week. | | Application. | | Project applicat results evaluati reportin |
| 16 | | | | FINAL EXAM. | |

Workload

| Activities | Number | PLEASE SELECT TWO DISTINCT LANGUAGES |
|---|---|---|
| Uygulama / Pratik | 14 | 1,00 |
| Final | 1 | 1,00 |
| Vize | 1 | 1,00 |
| Teorik Ders Anlatım | 14 | 2,00 |
| Bütünleme | 1 | 1,00 |
| Proje | 1 | 14,00 |
| Ders Sonrası Bireysel Çalışma | 14 | 2,00 |

Assesments

| Activities | Weight (%) |
|---|---|
| Vize | 40,00 |
| Proje | 50,00 |
| Rapor | 10,00 |
| Final | 0,00 |

İç Mimarlık Bölümü / İÇ MİMARLIK X Learning Outcome Relation

| | P.O. 1 | P.O. 2 | P.O. 3 | P.O. 4 | P.O. 5 | P.O. 6 | P.O. 7 | P.O. 8 | P.O. 9 | P.O. 10 | P.O. 11 | P.O. 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L.O. 1 | | | 3 | 2 | | 1 | | | | | | 4 |
| L.O. 2 | | | 3 | 2 | | 1 | | | | | | 4 |
| L.O. 3 | | | 3 | 2 | | 1 | | | | | | 4 |
| L.O. 4 | | | 3 | 2 | | 1 | | | | | | 4 |
| L.O. 5 | | | 3 | 2 | | 1 | | | | | | 4 |

Table :

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**P.O. 1 :** İç mimarlık alanında sanat ve tasarım bilgilerini aktarabilme ve kullanabilme becerilerine sahiptir

**P.O. 2 :** Mekanı oluşturan birimler arasındaki ilişkileri ve mekan tasarlama yöntemlerini kullanabilir

**P.O. 3 :** İç mimarlık ve tasarımın diğer alanlarında teknik bilgiye sahiptir.

**P.O. 4 :** Karşılaştığı problemlerde iki ve üç boyutlu düşünebilme ve ifade edebilme becerisine sahiptir.

**P.O. 5 :** Mekan-İnsan-Mobilya-Çevre ilişkilerini tasarım yoluyla çözümleme becerisine sahiptir

**P.O. 6 :** Mesleki ve genel kültür bilgisini edinir.

**P.O. 7 :** Tasarım yoluyla etkin bir şekilde iletişim kurabilme yetkinliğine sahiptir.

**P.O. 8 :** Teknik ve estetik konuları analiz etme becerisine sahiptir.

**P.O. 9 :** Karşılaştığı problemlerde yenilikçi ve özgün çözümler üretir

**P.O. 10 :** İç mekan tasarım sürecinin bütününü yönetebilme becerisine sahiptir.

**P.O. 11 :** İç mimarlık alanında özelleşmiş tasarım problemleri ile ilgili bilgiye hakimdir.

**P.O. 12 :** Bir mimari tasarım / planlama / tasarım projesini bağımsız olarak yürütür, bu süreçler için araştırma projeleri planlar ve yürütür, yeni sentezler üretir.

**L.O. 1 :** Yapıların mevcut durumlarını ölçümleyebilir ve belgeleyebilir.

**L.O. 2 :** Kat planı, cephe ve kesit çizimleri hazırlayabilir.

**L.O. 3 :** Ölçüm ve çizimlerde doğruluk ve standartlara uygunluğu sağlayabilir.

**L.O. 4 :** Rölöve sürecinin teorik aşamalarını açıklayabilir ve kavramsal olarak süreci değerlendirebilir.

**L.O. 5 :** Geleneksel ve modern rölöve tekniklerini öğrenebilir ve kullanılan cihazlar ile ölçüm aletlerini tanıyabilir.