## Course Syllabus

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| **Code - Course Title** | **İST206 - Statistics II** |
| **Course Type** | IV. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **5.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | DOÇ. DR. DUYGU TUNALI, DR. ÖĞR. ÜYESİ MAHMUT ATLAS, PROF. DR. ALİ ÖZDEMİR, PROF. DR. HARUN SÖNMEZ, PROF. DR. HÜSEYİN GÜRBÜZ |

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| **Mode of Delivery** | The mode of delivery of this course is Face to face |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Courses Recomended** | STAT 205 Statistics I course is recommended for Students taking this course |
| **Recommended Resources** | Atlas, M., İstatistik II Çözümlü Örnekler, 2013, Eskişehir İstatistik II, Şıklar, E. Özdemir, A., Editörler, 2013, T.C. Anadolu Üniversitesi Yayını No: 2806, Açıköğretim Fakültesi Yayını No: 1764Çömlekçi, N., 2013, Temel İstatistik İlke ve Teknikleri, Nisan Kitabevi, |
| **Work Placement** | Internship is not suitable for this course. |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Sampling theory | |
| **Week - 2** | | Sampling distributions | |
| **Week - 3** | | Statistical estimation | |
| **Week - 4** | | hypothesis testing | |
| **Week - 5** | | hypothesis testing | |
| **Week - 6** | | Student's T Distribution 1 | |
| **Week - 7** | | Student's T Distribution 2 | |
| **Week - 8** | | Chi-square dstribution | |
| **Week - 9** | | Chi-square testing | |
| **Week - 10** | | Regression and correlation analysis 1 | |
| **Week - 11** | | Regression and correlation analysis 2 | |
| **Week - 12** | | Time series analysis | |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| Week - 13 | | Indexes | |
| Week - 14 | | Indexes | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | list the phases of sampling process |
| 2 | describe statistical estimation |
| 3 | describe and test the statistical hypothesis |
| 4 | calculate the coefficient of linear regression |

## Sustainable Development Goals

*No content has been provided.*

## Course Theme

*No content has been provided.*

## AKTS Workload

| Activity | Duration (Hour) | Count | Workload |
|---|---|---|---|
| Teorik Derse Katılım | 0 | 0 | 0 |
| Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı) | 0 | 0 | 0 |
| Ödevler | 0 | 0 | 0 |
| Proje - Rapor - Sunum Hazırlama | 0 | 0 | 0 |
| Ara Sınav Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Final Sınavı Hazırlığı (sınav süresi dahil) | 0 | 0 | 0 |
| Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.) | 0 | 0 | 0 |
| Staj Uygulaması | 0 | 0 | 0 |
| | | **Calculated ECTS** | **0** |

## Assessment Method and Passing Requirements

*No content has been provided.*