## Course Syllabus

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|---|---|
| **Code - Course Title** | **İKT457U - Economics of Science Technology and Innovation** |
| **Course Type** | VII. SEMESTER |
| **Laboratory + Practice** | 0+0 |
| **ECTS** | **7.0** |
| **Language of Instruction** | İngilizce |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | ASSOC. PROF. DR. İBRAHİM TUĞRUL ÇINAR |

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|---|---|
| **Mode of Delivery** | Distance education |
| **Prerequisites** | This course does not have any prerequisites or corequisites. |
| **Courses Recomended** | İKT214U Macroeconomic TheoryİKT451U Economic Growth And Development |
| **Recommended Resources** | Taymaz, E. (Ed.). (2024, May). Economics of Science Technology and Innovation (Publication No. 4439). Anadolu University Publication. Eskişehir. |
| **Work Placement** | None |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | From Knowledge Creation to Innovation | |
| **Week - 2** | | Measurement of R&D and Innovation | |
| **Week - 3** | | Measurement of Private and Social Returns to R&D | |
| **Week - 4** | | Technology and Economic Growth | |
| **Week - 5** | | Midterm Review 1 | |
| **Week - 6** | | Midterm Review 2 | |
| **Week - 7** | | Technology, Technology Transfer and Economic Development | |
| **Week - 8** | | Technology and Employment | |
| **Week - 9** | | Innovation, Network Effects, and Digital Technologies | |
| **Week - 10** | | Economics of Science, Technology and Innovation Policy | |
| **Week - 11** | | Final Review 1 | |
| **Week - 12** | | Final Review 2 | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | From Knowledge Creation to Innovation |
| 2 | Measurement of R&D and Innovation |
| 3 | Measurement of Private and Social Returns to R&D |
| 4 | Technology and Economic Growth |
| 5 | Technology, Technology Transfer and Economic Development |
| 6 | Technology and Employment |
| 7 | Innovation, Network Effects, and Digital Technologies |
| 8 | Economics of Science, Technology and Innovation Policy |

## 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.*

| Assessment Method and Passing Requirements | Quamtity | Percentage (%) |
|---|---|---|
| 1.Midterm Exam | 1 | 30 |
| Final Exam | 1 | 70 |
| | **Sum (%)** | **100** |