## Course Syllabus

| | |
|---|---|
| **Code - Course Title** | **BİY245 - Molecular Biology** |
| **Course Type** | III. SEMESTER |
| **Laboratory + Practice** | 1+0 |
| **ECTS** | **1.5** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Required Courses |
| **Course Instructor(s)** | PROF. DR. GÜLŞEN AKALIN ÇİFTÇİ, PROF. DR. ŞÜKRÜ BEYDEMİR |

| | |
|---|---|
| **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** | There is no recommended optional programme component for this course. |
| **Work Placement** | Not Applicable |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Nucleic Acids | |
| **Week - 2** | | Nucleic Acids | |
| **Week - 3** | | Nucleic Acids | |
| **Week - 4** | | Nucleic Acids | |
| **Week - 5** | | Protein Synthesis | |
| **Week - 6** | | Protein Synthesis | |
| **Week - 7** | | Protein Synthesis | |
| **Week - 8** | | Protein Synthesis | |
| **Week - 9** | | Gene Expression | |
| **Week - 10** | | Gene Expression | |
| **Week - 11** | | Gene Expression | |
| **Week - 12** | | Gene Expression | |
| **Week - 13** | | Gene Expression | |
| **Week - 14** | | Gene expression | |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | Will be able to explain RNA. |
| 2 | Will be able to explain Translation and Transcription |
| 3 | Will be able to explain gene expression in eukaryotes. |
| 4 | Will be able to explain gene expression disorders in eukaryotes |

## 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.*