

## DERS PROGRAMI

| I. SEMESTER |                                           |                  |      |
|-------------|-------------------------------------------|------------------|------|
| Code        | Course Title                              | Course Type      | ECTS |
| BYK501      | Biomolecules                              | Required Courses | 6.0  |
| BYK503      | Metabolism I                              | Required Courses | 6.0  |
| LEE510      | Ethics of Science and Research Techniques | Required Courses | 7.5  |
|             | Elective Courses                          |                  | 12.0 |
| Sum         |                                           |                  | 31.5 |

| II. SEMESTER |                  |                  |      |
|--------------|------------------|------------------|------|
| Code         | Course Title     | Course Type      | ECTS |
| BYK504       | Metabolism II    | Required Courses | 6.0  |
| SMR500       | Seminar          | Required Courses | 7.5  |
|              | Elective Courses |                  | 18.0 |
| Sum          |                  |                  | 31.5 |

| III. SEMESTER |              |                  |      |
|---------------|--------------|------------------|------|
| Code          | Course Title | Course Type      | ECTS |
| TEZ700        | Thesis       | Required Courses | 30.0 |
| Sum           |              |                  | 30   |

| IV. SEMESTER |              |                  |      |
|--------------|--------------|------------------|------|
| Code         | Course Title | Course Type      | ECTS |
| TEZ700       | Thesis       | Required Courses | 30.0 |
| Sum          |              |                  | 30   |

| Elective Courses |                                                  |                       |      |
|------------------|--------------------------------------------------|-----------------------|------|
| Code             | Course Title                                     | Laboratory + Practice | ECTS |
| BİY559           | The Biology and Mechanisms of Apoptosis (TR)     | 3 + 0                 | 6.0  |
| BİY587           | Biochemistry of Enzyme (TR)                      | 3 + 0                 | 6.0  |
| BYK507           | Biochemical Metabolism in Exercise (TR)          | 3 + 0                 | 6.0  |
| BİY566           | Cellular Adhesion Molecules (TR)                 | 3 + 0                 | 6.0  |
| BİY568           | Free Radicals and Antioxidants (TR)              | 3 + 0                 | 6.0  |
| BİY576           | Target Enzymes in the Treatment of Diseases (TR) | 3 + 0                 | 6.0  |
| BYK502           | Laboratory Techniques in Biochemistry (TR)       | 3 + 0                 | 6.0  |
| BYK506           | Nucleotide Biochemistry (TR)                     | 3 + 0                 | 6.0  |

**Elective Courses**

| Code   | Course Title                                                                           | Laboratory + Practice | ECTS |
|--------|----------------------------------------------------------------------------------------|-----------------------|------|
| BYK509 | Isolation, Characterization and Purification Techniques of Some Biomacromolecules (TR) | 3 + 0                 | 6.0  |
| BYK510 | Kinetic Calculations in Enzymatic Reactions (TR)                                       | 3 + 0                 | 6.0  |

**Institute Specialization Field Course**

| Code   | Course Title                            | Laboratory + Practice | ECTS |
|--------|-----------------------------------------|-----------------------|------|
| UZM700 | Research in Area of Specialization (TR) | 5 + 0                 | 4.5  |

## DERS İÇERİKLERİ

---