

Pharmaceutical Microbiology

| | Code | Course title | Semester | Course status | Active classes | | | | ECTS |
|------------------------------|---------|--|----------|---------------|----------------|-----------|------------|------------|-----------|
| | | | | | Weekly | | Semesterly | | |
| | | | | | L | R | L | R | |
| First Year | | | | | | | | | |
| 1 | Д1О31 | Methodology of scientific research | I | MC | 2 | 2 | 30 | 30 | 5 |
| 2 | Д1О32 | Statistics in research | I | MC | 2 | 2 | 30 | 30 | 5 |
| 3 | Д1О33 | Seminar 1 | I | MC | 2 | 4 | 30 | 60 | 5 |
| 4 | ДФМ1ОМ1 | Microbiology 1 | I | MM | 4 | 4 | 60 | 60 | 10 |
| 5 | ДФМ1ОМ2 | Selected topics in organic chemistry | I | MM | 2 | 2 | 30 | 30 | 5 |
| 6 | Д1О34 | Seminar 2 | II | MC | 2 | 4 | 30 | 60 | 5 |
| 7 | ДФМ1ОМ3 | Microbiology 2 | II | MM | 4 | 4 | 60 | 60 | 10 |
| Elective Block 1-2 | | | | | | | | | |
| 8, 9 | ДФМ1И1 | Principles of use of animals for scientific purposes | II | E | 4 | 4 | 60 | 60 | 10 |
| | ДФМ1И2 | Immune response in infection | | | | | | | |
| | ДФМ1И3 | Resistance to antimicrobial drugs-molecular mechanisms | | | | | | | |
| | ДФМ1И4 | Molecular methods and recombinant biotechnology | | | | | | | |
| 10 | | Research | II | | | | | | 5 |
| Total in first year: | | | | | 22 | 26 | 330 | 390 | 60 |
| Second Year | | | | | | | | | |
| 11 | Д2О31 | Seminar 3 | III | MC | 2 | 4 | 30 | 60 | 5 |
| 12 | ДФМ2ОМ1 | Application of microorganisms in medicine and pharmacy | III | MM | 2 | 2 | 30 | 30 | 5 |
| Elective Block 3-4 | | | | | | | | | |
| 13, 14 | ДФМ2И1 | Selected Chapters of Micology | III | E | 4 | 4 | 60 | 60 | 10 |
| | ДФМ2И2 | Vaccines | | | | | | | |
| | ДФМ2И3 | Virulence factors of pathogenic microorganisms | | | | | | | |
| | ДФМ2И4 | Laboratory methods in parasitology | | | | | | | |
| 15 | | Research | III | | | | | | 10 |
| 16 | Д2О32 | Seminar 4 | IV | MC | 2 | 4 | 30 | 60 | 5 |
| 17 | | Defense of doctoral dissertation theme proposal | IV | M | 0 | 15 | 0 | 225 | 10 |
| 18 | | Research | IV | | | | | | 15 |
| Total in second year: | | | | | 10 | 29 | 150 | 435 | 60 |
| Third Year | | | | | | | | | |

| | | | | | | | | | |
|-----------------------------|--|---------------|----|--|----------|-----------|----------|------------|-----------|
| 19 | | Research work | V | | 0 | 20 | 0 | 300 | 5 |
| 20 | | Research | V | | | | | | 25 |
| 21 | | Research work | VI | | 0 | 20 | 0 | 300 | 5 |
| 22 | | Research | VI | | | | | | 25 |
| Total in third year: | | | | | 0 | 40 | 0 | 600 | 60 |

Active classes: L-Lectures, R-Research work.