

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2024-2030
 rok akademicki 2024/2025
 1 rok

Załącznik nr 3 do Uchwały nr 11/2024 Senatu GUMed z dnia 25 marca 2024 r.

| Module / Subject | ECTS | Total number of hours | semester 1 | | | | | | semester 2* | | | | | | Manner of obtaining credit | |
|--|------|-----------------------|-----------------|----------|----------|--------------|--------------------|------------|-----------------|----------|----------|--------------|--------------------|------------|----------------------------|------------------|
| | | | Number of hours | | | | | | Number of hours | | | | | | | |
| | | | lectures | seminars | exercise | laboratories | practical training | self-study | lectures | seminars | exercise | laboratories | practical training | self-study | | |
| Anatomy | 3 | 32 | 17 | | 15 | | | | | | | | | | | Credit with mark |
| Basic Polish I | 4 | 60 | | | 30 | | | | | 30 | | | | | | Credit |
| Biology and genetics | 6 | 60 | 15 | | 11 | 34 | | | | | | | | | | Exam |
| Biophysics | 2 | 25 | | | | | | | | 7 | 18 | | | | | Credit with mark |
| Botany | 8 | 85 | | | | | | 19 | 6 | 15 | 45 | | | | | Exam |
| General and inorganic chemistry | 9 | 95 | 25 | | 14 | 56 | | | | | | | | | | Exam |
| History of pharmacy | 1 | 15 | 15 | | | | | | | | | | | | | Credit with mark |
| History of philosophy | 1 | 15 | | | | | | | 15 | | | | | | | Credit |
| Hygiene and epidemiology | 2 | 30 | | | | | | 10 | 20 | | | | | | | Credit with mark |
| Information literacy | | 2 | 2 | | | | | | | | | | | | | Credit |
| Latin language classes | 4 | 60 | | | 30 | | | | | 30 | | | | | | Credit with mark |
| Mathematics | 2 | 30 | | | 30 | | | | | | | | | | | Credit with mark |
| Physical chemistry | 10 | 95 | | | | | | 30 | 5 | 12 | 48 | | | | | Exam |
| Physical education | | 60 | | | 30 | | | | | 30 | | | | | | Credit |
| Propaedeutics of pharmaceutical practice | 2 | 30 | | | | | | 30 | | | | | | | | Credit |
| Information technology | 1 | 15 | | | | 15 | | | | | | | | | | Credit with mark |
| Safety and Good Work Practice | | 4 | 4 | | | | | | | | | | | | | Credit |
| Statistics | 2 | 30 | | | | | | | | 30 | | | | | | Credit with mark |
| Elective subjects | 3 | 45 | | | | | | | | | | | | | | Credit |

* the number of hours assigned to the summer semester may include classes available throughout the year or in the block system

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 rok akademicki 2025/2026
 2 rok

Załącznik nr 3 do Uchwały nr 11/2024 Senatu GUMed z dnia 25 marca 2024 r.

| Module / Subject | ECTS | Total number of hours | semester 3 | | | | | | semester 4* | | | | | | Manner of obtaining credit |
|----------------------------------|------|-----------------------|-----------------|----------|----------|--------------|--------------------|------------|-----------------|----------|----------|--------------|--------------------|------------------|----------------------------|
| | | | Number of hours | | | | | | Number of hours | | | | | | |
| | | | lectures | seminars | exercise | laboratories | practical training | self-study | lectures | seminars | exercise | laboratories | practical training | self-study | |
| Analytical chemistry | 10 | 115 | 25 | 10 | 6 | 24 | | | | 10 | 40 | | | Exam | |
| Basic Polish II | 4 | 60 | | | 30 | | | | | 30 | | | | Credit with mark | |
| Biochemistry | 9 | 100 | | | | | | 40 | | 12 | 48 | | | Exam | |
| Immunology | 3 | 35 | | | | | | 20 | | 3 | 12 | | | Credit with mark | |
| Psychology and sociology | 1 | 15 | | | | | | | 15 | | | | | Credit with mark | |
| Intellectual property protection | 1 | 15 | | | | | | 15 | | | | | | Credit | |
| Microbiology | 7 | 80 | 20 | | 12 | 48 | | | | | | | | Exam | |
| Molecular biology | 3 | 40 | 10 | 15 | 3 | 12 | | | | | | | | Credit with mark | |
| Organic chemistry | 12 | 140 | 50 | | | | | | | 15 | 75 | | | Exam | |
| Physiology | 6 | 75 | 30 | | 9 | 36 | | | | | | | | Exam | |
| Elective subjects | 4 | 45 | | | | | | | | | | | | Credit | |

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 3 rok

Załącznik nr 3 do Uchwały nr 11/2024 Senatu GUMed z dnia 25 marca 2024 r.

| Module / Subject | ECTS | Total number of hours | semester 5 | | | | | | semester 6* | | | | | | Manner of obtaining credit |
|--|------|-----------------------|-----------------|----------|----------|--------------|--------------------|------------|-----------------|----------|----------|--------------|--------------------|------------|----------------------------|
| | | | Number of hours | | | | | | Number of hours | | | | | | |
| | | | lectures | seminars | exercise | laboratories | practical training | self-study | lectures | seminars | exercise | laboratories | practical training | self-study | |
| Basics of drug design | 1 | 15 | | | | | | | 15 | | | | | | Credit |
| Qualified first aid | 2 | 30 | | | | | | | 15 | 3 | 12 | | | | Credit with mark |
| Medical ethics | 2 | 30 | | | | | | 15 | 15 | | | | | | Credit |
| Pathophysiology with elements of oncology | 6 | 95 | 40 | 55 | | | | | | | | | | | Exam |
| Pharmaceutical biotechnology | 3 | 40 | | | | | | 20 | | 5 | 15 | | | | Exam |
| Pharmaceutical chemistry | 16 | 255 | 50 | | 20 | 85 | | 40 | | 15 | 45 | | | | Exam |
| Pharmaceutical technology I * | 9 | 150 | 25 | | | | | 15 | | | 110 | | | | Credit |
| Pharmacognosy | 10 | 150 | 30 | | 9 | 36 | | 30 | | 9 | 36 | | | | Exam |
| Pharmacy pre-training | | 5 | | | | | | | | 5 | | | | | Credit |
| Elective subjects | 5 | 60 | | | | | | | | | | | | | Credit |
| One-month summer training at open pharmacy | 6 | 160 | | | | | | | | | | | | | Credit |

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 4 rok

Załącznik nr 3 do Uchwały nr 11/2024 Senatu GUMed z dnia 25 marca 2024 r.

| Module / Subject | ECTS | Total number of hours | semester 7 | | | | | | semester 8* | | | | | | Manner of obtaining credit |
|---|------|-----------------------|-----------------|----------|----------|--------------|--------------------|------------|-----------------|----------|----------|--------------|--------------------|------------|----------------------------|
| | | | Number of hours | | | | | | Number of hours | | | | | | |
| | | | lectures | seminars | exercise | laboratories | practical training | self-study | lectures | seminars | exercise | laboratories | practical training | self-study | |
| Bromatology | 6 | 90 | 30 | 10 | 10 | 40 | | | | | | | | | Exam |
| Clinical pharmacy | 3 | 45 | | | | | | 15 | 20 | 2 | 8 | | | | Credit |
| Introduction to medicine | 2 | 30 | 20 | 5 | | | 5 | | | | | | | | Exam |
| Basics of entrepreneurship | 1 | 20 | | | | | | 20 | | | | | | | Credit with mark |
| Nature drugs | 2 | 40 | 32 | 8 | | | | | | | | | | | Credit with mark |
| Pharmaceutical technology II | 6 | 110 | 30 | | | 80 | | | | | | | | | Credit |
| Pharmacokinetics | 3 | 40 | | | | | | 15 | 5 | 6 | 14 | | | | Credit with mark |
| Pharmacology and pharmacodynamics | 13 | 210 | 40 | 65 | | | | 35 | 70 | | | | | | Exam |
| Synthesis and technology of pharmaceutical substances | 5 | 75 | 16 | 5 | 4 | 32 | | | 6 | 6 | 6 | | | | Exam |
| Toxicology | 6 | 95 | | | | | | 30 | | 13 | 52 | | | | Exam |
| Pharmaceutical law | 2 | 35 | | | | | | 15 | 20 | | | | | | Credit with mark |
| Pharmacoeconomics | 1 | 30 | | | | | | 15 | 15 | | | | | | Credit with mark |
| Elective subjects | 4 | 60 | | | | | | | | | | | | | Credit |
| One-month summer training at hospital pharmacy | 6 | 160 | | | | | | | | | | | | | Credit |

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 rok akademicki 2028/2029
 5 rok

Załącznik nr 3 do Uchwały nr 11/2024 Senatu GUMed z dnia 25 marca 2024 r.

| Module / Subject | ECTS | Total number of hours | semester 9 | | | | | | semester 10* | | | | | | Manner of obtaining credit |
|--------------------------------------|------|-----------------------|-----------------|----------|----------|--------------|--------------------|------------|-----------------|----------|----------|--------------|--------------------|------------|----------------------------|
| | | | Number of hours | | | | | | Number of hours | | | | | | |
| | | | lectures | seminars | exercise | laboratories | practical training | self-study | lectures | seminars | exercise | laboratories | practical training | self-study | |
| Biopharmaceutics | 4 | 55 | 30 | | 5 | 20 | | | | | | | | | Exam |
| Clinical pharmacy | 7 | 70 | 30 | 20 | 4 | | 16 | | | | | | | | Exam |
| Pharmaceutical care | 4 | 55 | 10 | | 9 | | 36 | | | | | | | | Credit with mark |
| Pharmaceutical technology III | 8 | 70 | 20 | | | 50 | | | | | | | | | Exam |
| Pharmacotherapy and drug information | 4 | 55 | 35 | 20 | | | | | | | | | | | Credit with mark |
| Pharmacy practice | 7 | 90 | 18 | 25 | 10 | | 37 | | | | | | | | Credit with mark |
| Scientific reasearch methodology | 24 | 377 | | | | | | | | 377 | | | | | Credit |
| Elective subjects | 2 | 30 | | | | | | | | | | | | | Credit |

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 6 rok

Załącznik nr 3 do Uchwały nr 11/2024 Senatu GUMed z dnia 25 marca 2024 r.

| Module / Subject | ECTS | Total number of hours | semester 11 | | | | | | semester 12* | | | | | | Manner of obtaining credit | |
|--------------------------------|------|-----------------------|-----------------|----------|----------|--------------|--------------------|------------|-----------------|----------|----------|--------------|--------------------|------------|----------------------------|--------|
| | | | Number of hours | | | | | | Number of hours | | | | | | | |
| | | | lectures | seminars | exercise | laboratories | practical training | self-study | lectures | seminars | exercise | laboratories | practical training | self-study | | |
| Six-month training at pharmacy | 60 | 960 | | | | | | | | | | | | | | Credit |

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