



“Signed”

Vice-rector for research and academic affairs
Oleksandr Holovyko

2 024p.

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
(name of central executive body, owner)
V. N. Karazin Kharkiv National University
(full name of higher education institution)

EDUCATION PLAN

Higher education level

second master's degree

Duration of education – 6 years based on complete secondary education

Qualification: doctor

Master training in the "22-Healthcare" field of study
in specialty 222 - Medicine
per "Medicine" education and professional programme

Mode of study full-time

I. EDUCATION PROCESS TIMELINE

| Year | September | | | | October | | | | November | | | | December | | | | January | | | | February | | | | March | | | | April | | | | May | | | | June | | | | July | | | | August | | | | | | | | | |
|------|-----------|-----|-----|-----|---------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|-----|---------|----|----|----|----------|----|-----|-----|-------|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|----|------|----|----|----|--------|----|----|----|----|----|----|----|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | | |
| 1 | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | V | V | V | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | S | V | V | V | V | V | V | V | V | V | V | V | | |
| 2 | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | S | S | V | V | V | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | S | S | V | V | V | V | V | V | V | V | V | V | V | |
| 3 | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | S | V | V | V | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | S | S | S | V | V | V | V | V | V | V | V | V | V | V | V |
| 4 | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | V | V | V | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | S | S | S | S | V | V | V | V | V | V | V | V | V | V | V |
| 5 | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | S | S | V | V | V | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | S | S | S | S | V | V | V | V | V | V | V | V | V | V | | |
| 6 | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | S | V | V | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T/P | T | // | // | // | | | | | | | | | | | | |

II. SUMMARY DAYS OF TIME BUDGET, weeks

| Year | Theoretical education | Seccion and Credit | Internships | Attestation | Graduation project | Vacation | |
|-------|-----------------------|--------------------|-------------|-------------|--------------------|----------|-----|
| 1 | 37 | 3 | | | - | 12 | 52 |
| 2 | 34 | 6 | | | - | 12 | 52 |
| 3 | 34 | 6 | | | - | 12 | 52 |
| 4 | 36 | 4 | | | - | 12 | 52 |
| 5 | 35 | 5 | | | - | 12 | 52 |
| 6 | 36 | 1 | | 3 | | 2 | 42 |
| Total | 212 | 25 | | 3 | | 62 | 302 |

ABBREVIATIONS

T - theoretical education
S - Seccion
V - vacation
// - attestation exam
P-practical training
G - graduation project and its defence

PRACTICAL TRAINING

| Name of Practical training | Semester | Weeks |
|--------------------------------|----------|-------|
| Medical practice by speciality | 8 | 17 |
| Medical practice by speciality | 9 | 18 |
| Medical practice by speciality | 10 | 16 |
| Medical practice by speciality | 12 | 16 |

ATTESTATION

| Attestation exam | Semester |
|---|----------|
| Unified State Qualification Exam, Stage 1 | 6 |
| Unified State Qualification Exam, Stage 2 | 12 |

| III. EDUCATION PROCESS PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------|--------------------------|------------------|------------------------------|---------------------|--------------------|----------------------------|-------------|-------------|------------|-----------------|-----------------------|---|-------------|--------------|--------------|--------------|--------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
| SUBJECTS AND COURSEWORKS THAT ARE NOT A PART OF ANY PARTICULAR SUBJECT | Distribution per semester | | | | | | | Hours | | | | | | Distribution of classroom hours per week across years and semesters | | | | | | | | | | | | | | | | | |
| | Four-point grading system | | Two-point grading system | supervisory work | Individual task | | ECTS Credit Points | Auditoric hours including: | | | | | Self work of students | 1st year | | | 2nd year | | | 3rd year | | | 4th year | | | 5th year | | | 6th year | | |
| | exam | graded credit | | | calculation and graphic work | medical file amount | | In total | in total | Lectures | laboratory | Practical works | | Curriculums | 19 | 18 | 17 | 17 | 18 | 16 | 19 | 17 | 18 | 16 | 20 | 16 | | | | | |
| | | | Semesters | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Weeks per semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. EP Mandatory Components | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.1. General scientific (fundamental) disciplines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MC 1 | Ukrainian Language (for professional purposes) | | | 1(1) | 1(1) | - | - | 3 | 90 | 30 | 0 | 30 | 60 | 1,58 | | | | | | | | | | | | | | | | | |
| MC 2 | History of Ukraine: civilization dimension | | | 1(1) | - | - | - | 3 | 90 | 30 | 20 | - | 10 | 60 | 1,58 | | | | | | | | | | | | | | | | |
| MC 3 | Foreign language | | | 1(1) | - | - | - | 3 | 90 | 50 | 0 | 50 | 40 | 2,63 | | | | | | | | | | | | | | | | | |
| MC 4 | Philosophy | | | 1(1) | - | - | - | 3 | 90 | 40 | 20 | 20 | 50 | 2,11 | | | | | | | | | | | | | | | | | |
| MC 5 | Foreign language (for professional purposes) | 4(1) | 3(1) | - | - | - | - | 6 | 180 | 70 | 0 | 70 | 110 | | | 2,12 | 2,00 | | | | | | | | | | | | | | |
| MC 6 | Latin and medical terminology | 2(1) | 1(1) | - | - | - | - | 3 | 90 | 54 | 0 | 54 | 36 | 1,47 | 1,44 | | | | | | | | | | | | | | | | |
| MC 7 | Medical biology | 2(1) | 1(1) | - | - | - | - | 4 | 120 | 70 | 12 | 58 | 50 | 1,90 | 1,90 | | | | | | | | | | | | | | | | |
| MC 8 | Medical informatics | | 4(1) | - | 4(1) | - | - | 3 | 90 | 54 | 6 | 48 | 36 | | | 2,23 | 0,94 | | | | | | | | | | | | | | |
| MC 9 | Medical chemistry | 2(1) | 1(1) | - | - | - | - | 3 | 90 | 52 | 12 | 40 | 38 | 1,37 | 1,44 | | | | | | | | | | | | | | | | |
| MC 10 | Medical and biologic physics | 2(1) | 1(1) | - | - | - | - | 3 | 90 | 54 | 10 | 44 | 36 | 1,37 | 1,56 | | | | | | | | | | | | | | | | |
| MC 11 | Biologic and bio-organic chemistry | 4(1) | 2(1), 3(1) | - | - | - | - | 8 | 240 | 144 | 20 | 124 | 96 | | 2,22 | 3,29 | 2,82 | | | | | | | | | | | | | | |
| MC 12 | Human anatomy | 3(1) | 1(1), 2(1) | - | - | - | - | 14 | 420 | 250 | 30 | 220 | 170 | 4,74 | 6,00 | 3,05 | | | | | | | | | | | | | | | |
| MC 13 | Histology, cytology and embryology | 3(1) | 2(1) | - | - | - | - | 9 | 270 | 160 | 40 | 120 | 110 | | 6,00 | 3,06 | | | | | | | | | | | | | | | |
| MC 14 | Physiology | 4(1) | 3(1) | - | - | - | - | 9 | 270 | 162 | 32 | 130 | 108 | | 4,82 | 4,70 | | | | | | | | | | | | | | | |
| MC 15 | Microbiology, virology and immunology | 5(1) | 3(1), 4(1) | - | - | - | - | 8 | 240 | 144 | 24 | 120 | 96 | | 2,94 | 2,59 | 2,78 | | | | | | | | | | | | | | |
| | Total in cycle General scientific (fundamental) | 6 | 7 | 16 | 1 | 1 | | 82 | 2460 | 1364 | 226 | 0 | 1108 | 30 | 1096 | 18,74 | 20,56 | 21,51 | 13,05 | 2,78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1.2 Professionally oriented (clinical) disciplines | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MC 16 | Life safety, fundamentals of bioethics and biosafety; occupational safety | | 4(1) | - | - | - | - | 3 | 90 | 54 | 4 | 50 | 36 | | | 2,00 | 1,17 | | | | | | | | | | | | | | |

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|-----------------|---|--------------------------|---|---|--|----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|------|---|------|
| EB 111. 2 | Elective Block Military medical training. Military medical training including Medicine of emergency situations, Battlefield medicine, Military hygiene and epidemiology | 3(1), 7(1), 10(1) | | | | | 10 | 300 | 170 | 0 | 170 | 130 | 2,94 | | | 3,68 | | | 3,13 | | |
| EB 112. 1 | Elective Block Patient care (practice). Patient care in internal medicine | 4(1) | - | - | | 5 | 150 | 90 | 0 | 90 | 60 | 1,06 | 4,23 | | | | | | | | |
| EB 112. 2 | Elective Block Patient care (practice). Care for patients in pediatrics | 4(1) | - | - | | 5 | 150 | 90 | 0 | 90 | 60 | 1,06 | 4,23 | | | | | | | | |
| EB 112. 3 | Elective Block Patient care (practice). Patient care in surgery | 4(1) | - | - | | 5 | 150 | 90 | 0 | 90 | 60 | 1,06 | 4,23 | | | | | | | | |
| EB 113. | Elective Block Nursing practice. Nursing practice in | 6(1) | - | - | | 5 | 150 | 90 | 0 | 90 | 60 | | | 3,88 | 1,25 | | | | | | |
| EB 113. 2 | Elective Block Nursing practice. Nursing practice in pediatrics | 6(1) | - | - | | 5 | 150 | 90 | 0 | 90 | 60 | | | 3,88 | 1,25 | | | | | | |
| EB 113. 3 | Elective Block Nursing practice. Nursing practice in surgery | 6(1) | - | - | | 5 | 150 | 90 | 0 | 90 | 60 | | | 3,88 | 1,25 | | | | | | |
| EB 58 | Cardiovascular surgery | 8(1) | | | | 3 | 90 | 30 | 0 | 30 | 60 | | | | | | | 1,8 | | | |
| EB 59 | Topical issues of disinfection and sterilization | 8(1) | | | | 3 | 90 | 30 | 0 | 30 | 60 | | | | | | | 1,8 | | | |
| EB 60 | Topical issues of cerebrovascular diseases | 8(1) | | | | 3 | 90 | 30 | 0 | 30 | 60 | | | | | | | 1,8 | | | |
| EB 114. 1 | Elective Block Medical practice by speciality. Medical practice by speciality internal medicine | 8(1), 10(1), 12(1) | - | - | | 16 | 480 | 242 | 0 | 242 | 238 | | | | | 2,1 | 2,94 | 2 | 1 | 2 | 3,76 |
| EB 114. 2 | Elective Block Medical practice by speciality. Medical practice by speciality Surgery | 8(1), 10(1), 12(1) | - | - | | 16 | 480 | 242 | 0 | 242 | 238 | | | | | 2,1 | 2,94 | 2 | 1 | 2 | 3,76 |
| EB 114. 3 | Elective Block Medical practice by speciality. Medical practice by speciality Pediatrics | 8(1), 10(1), 12(1) | - | - | | 16 | 480 | 242 | 0 | 242 | 238 | | | | | 2,1 | 2,94 | 2 | 1 | 2 | 3,76 |
| EB 114. 4 | Elective Block Medical practice by speciality. Medical practice by speciality Obstetrics and Gynecology | 8(1), 10(1), 12(1) | - | - | | 16 | 480 | 242 | 0 | 242 | 238 | | | | | 2,1 | 2,94 | 2 | 1 | 2 | 3,76 |
| EB 61 | Medical officers legal status in health care | 8(1) | | | | 3 | 90 | 30 | 0 | 30 | 60 | | | | | | | 1,8 | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|----------|--|--|--|-------|---|---|---|---|-----|----|---|--|----|--|----|--|--|------|--|--|------|
| EB 62 | Methods of visualization in instrumental investigation of internal organ diseases | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 63 | Clinical electrocardiography and functional diagnosis of internal organ diseases | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 64 | Basics of laboratory diagnostics for diseases of internal organs | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 65 | Basics of diet therapy and rational nutrition | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 66 | Methods of genetic diagnosis | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 67 | Food genetics (nutrigenetics) | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 68 | Emergencies: provision of first aid at the scene | | | 6(1) | - | - | - | 3 | 90 | 30 | 0 | | 30 | | 60 | | | 1,87 | | | |
| EB 69 | Infertility is not a sentence, there are modern auxiliary reproductive technologies | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 70 | Especially dangerous infections during pregnancy | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 71 | Military dermatology is the challenge of today | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 72 | Complementary and alternative medicine in clinical practice | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 73 | Acute and chronic face pain | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 74 | Solving dental problems in the everyday work of a somatic medicine doctor | | | 8(1) | | | | 3 | 90 | 30 | 0 | | 30 | | 60 | | | | | | 1,8 |
| EB 75 | Topical issues of child rheumatology | | | 10(1) | | | | 4 | 120 | 30 | 0 | | 30 | | 90 | | | | | | 1,88 |
| EB 76 | Modern functional and laboratory diagnosis in pediatrics | | | 10(1) | | | | 4 | 120 | 30 | 0 | | 30 | | 90 | | | | | | 1,88 |
| EB 77 | Modern physico-chemical technologies in oncology. Reconstructive-recoverable oncosurgery | | | 10(1) | | | | 4 | 120 | 30 | 0 | | 30 | | 90 | | | | | | 1,88 |

Facultative disciplines

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-------------|---|---|--|-----|-----|---|--|-----|--|-----|--|--|--|--|------|------|--|--|--|--|--|--|--|--|-----|
| 1 | Preparation for the Unified State Qualification Exam | | 6(1), 12(1) | - | - | | 240 | 140 | 0 | | 140 | | 100 | | | | | 2,00 | 2,00 | | | | | | | | | 4,5 |
|---|--|--|-------------|---|---|--|-----|-----|---|--|-----|--|-----|--|--|--|--|------|------|--|--|--|--|--|--|--|--|-----|

summary

| Назва | Credits amount ECTS |
|--|---------------------|
| Compulsary disciplines including practices | 270 |
| Elective disciplines | 91 |
| Total | 359 |

Confirmed by the Academic Council of university protocol № *10* *27* date *15* May 2024.

Dean of medical faculty

Guarantor of educational program

Tetiana LIADOVA

Natalia SHEVCHENKO