**JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE**

**FACULTY OF MEDICINE**



**MEDICAL CURRICULUM**

**FULL-TIME STUDIES**

Academic year 2016/2017

Kraków 2016

Legend:

**”O” –** obligatory course required to complete a given year of study

**„F”** – elective course (up to student’s choice)

**„N” –** extra-curricular course

**WL-L** course code in the USOS system for full-time students

Digital version of the materials - <http://www.medschool.uj.edu.pl/>

1st year (preclinical)

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| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | **Medical Polish Basic**  Mgr Dorota Rogala | Seminar 41 | O | Credit | 41 | 4 |
| 2 | **Medical Sociology**  Prof. dr hab. Beata Tobiasz - Adamczyk | Seminar 30 | O | Graded Credit | 30 | 4 |
| 3 | **Hygiene and Human Ecology**  Mgr. Joanna Zając | Seminar 20 | O | Credit | 20 | 2 |
| 4 | **History of Medicine**  Prof. dr hab. Ryszard Gryglewski | Lecture 30 | O | Exam | 30 | 4 |
| 5 | **Biology** | **Lecture 45** | O | Credit | 45 | 10 |
| 6 | **General Chemistry** | **Lecture 90** | O | Credit | 90 | 14 |
| 7 | **Mathematics** | **Lecture 45** | O | Credit | 45 | 10 |
| 8 | **Physics** | **Lecture 60** | O | Credit | 60 | 12 |

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| --- | --- | --- | --- | --- | --- | --- |
| 1 | **Biology** | **Lecture 45** | O | Credit | 45 | 10 |
| 2 | **Organic Chemistry** | **Lecture 90** | O | Credit | 90 | 20 |
| 3 | **Mathematics** | **Lecture 45** | O | Credit | 45 | 10 |
| 4 | **Humanities** | **Lecture 90** | O | Credit | 90 | 20 |

Total number of hours: 270

|  |  |
| --- | --- |
| **Total number of hours:** | 361 |
| **Total number of ECTS:**  **2nd year (preclinical)** | 60 |

Total number of ECTS: 60

**M-1**

semester I:

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| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1. | **Human Anatomy with Embryology**  Prof. dr hab. Jerzy Walocha | Lecture 34  Practical class 156 | O | Exam | 190 | 1  2 |
| 2. | **Histology**  Prof. dr hab. Tadeusz Cichocki Prof. dr hab. Jadwiga Mirecka | Lecture 47  Laboratory 47 | O | Exam | 94 | 9 |
| 3. | **Genetics with Molecular Biology**  Prof. dr hab. Marek Sanak | Lecture 21  Seminar 60  Laboratory 9 | O | Exam | 90 | 6 |
| 4 | **Ethics in Medicine**  Dr Zbigniew Zalewski | Seminar 20 | O | Graded Credit | 20 | 1 |
| 5. | **Emergency Medicine 1/3**  Dr Grzegorz Cebula | Practical class 20 | O | Credit | 20 | 4 |

semester I and II

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| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall**  **number of hours** | **ECTS**  **points** |
| 1. | **Biochemistry**  Dr Barbara Piekarska | Lecture 74  Seminar 19  Laboratory 32 | O | Exam | 125 | 10 |
| 2. | **Physiology with Biophysics**  Prof. dr hab. Tomasz Brzozowski | Lecture 175 | O | Exam | 175 | 11 |
| 3 | **Medical Polish 1/3 or**  **Medical Polish Advanced**  **Prof. Emil Orzechowski** | Seminar 120 | O | Credit | 120 | 4 |

semester II:

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| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | **Neurosciences**  Prof. dr hab. Jerzy Vetulani | Seminar 20 | O | Graded Credit | 20 | 3 |
| 2 | **Cell Biology**  Prof. dr hab. Jadwiga Mirecka | Lecture 30 | O | Graded Credit | 30 | 2 |
| 3 | **Laboratory Training of Clinical Skills** | Practical Class 40 | O | Credit | 40 | 1 |
| 4 | **Introduction to Clinical Sciences**  Dr Michał Nowakowski | Lecture 3  Seminar 3  Practical Class 54 | O | Graded Credit | 60 | 5 |
| 5 | **Immunology**  Prof. Krzysztof Bryniarski | Lecture 2  Seminar 22  Laboratory 14 | O | Exam | 40 | 5 |
| 6 | **Microbiology with Parasitology**  Prof. Piotr Heczko | Lecture 22  Laboratory 18 | O | Credit | 40 | 5 |
| 7 | **Research-**  **Based Methodology with elements of Biostatistics**  Dr Krzysztof Tomaszewski | Lecture 37  Seminar 23 | O | Exam | 60 | 2 |

Choice of elective courses:

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| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | **Medical Writing**  Dr Krzysztof Tomaszewski | Seminar 30 | F | Credit | 30 | 2 |
| 2 | **Introduction to Clinical Radiology**  Dr Wiesława Klimek Piotrowska | Lecture 2  Seminar 28 | F | Credit | 30 | 2 |
| 3 | **Neurosciences**  Prof. dr hab. Jerzy Vetulani | Seminar 30 | F | Credit | 30 | 2 |

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|  | **Health and Safety** |  | O | Credit | 4 | 0 |

**Clerkship :** Nursing– 4 weeks - 120 hours/ECTS: 4 Family Medicine – 3 weeks-80 hours/ECTS: 3

**Total number of hours:** 1354 (including 200 hrs of clerkship)

Total number of ECTS: 89

Course sequentiality - requirements for sitting 2nd year exam or earning a credit in 2nd year courses

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| **M-2 courses** | **To be allowed to sit for the exam, or earn a**  **credit in the course, required is completion of:** |
| Internal Medicine 1/2 | **\*Physiology** |
| Lab Diagnostics-course integrated with lnternal Medicine | **\*** |
| Professionalism and Communication Skills 1/2 | **\*** |
| Pathology | **\*, Histology, Physiology** |
| Pharmacology | **\*, Biochemistry, Physiology** |
| Radiology | **\*** |
| Medical Polish 2/3 | **\*** |
| Nuclear Medicine | **\*** |
| Clinical Psychology | **\*** |
| Anatomy - course integrated with Surgery | **\*** |
| Physiology-course integrated with Internal Medicine | **\*** |
| Dermatology and Venerology | \***Microbiology, Immunology** |
| Otorhinolaryngology | **\*** |
| Emergency Medicine 2/3 | **\*** |
| Clinical Microbiology | **\*Immunology, Microbiology** |
| Introduction to Neurology | **\*** |
| Infectious Diseases | **\*Microbiology** |

**\* –** Passing the course: **Human Anatomy with Embryology** is pre-requisite for promotion to the 2nd year of studies, **s e q u e n t i al i t y al so ap p l i e s t o su b s e q u e n t p a r t s o f c o u r s e s**

c o nt i nue d o v e r m o r e t ha n o ne a c a d e m i c y e a r

**M-2**

semester III

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| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | **Pathology**  Dr hab. Krzysztof Okoń | Lecture 89 Seminar 75 Laboratory 38 Dissection 38  including: Patophysiology Seminar 75  Patomorphology Lecture 79  Laboratory 38  Dissection 38 | O | Exam | 240 | 13 |
| 2 | **Pharmacology**  Prof. dr hab. Ryszard Korbut | Lecture 75  Seminar 75 | O | Exam | 150 | 13 |
| 3 | **Clinical Microbiology**  Prof. dr hab. Piotr Heczko | Lecture 17  Seminar 9  Laboratory 4 | O | Exam | 30 | 3 |
| 4 | **Professionalism and Communication Skills 1/2**  lek. med. Łukasz Małecki | Practical class 20 | O | Credit | 20 | 2 |
| 5 | **Clinical Psychology**  Mgr Mira Marciak | Seminar 40 | O | Credit | 40 | 1 |
| 6 | **Nuclear Medicine**  Dr hab. Agata Bałdys Waligórska | Seminar 20 | O | Credit | 20 | 1 |
| 7 | **Infectious Diseases**  Dr hab. Monika Bociąga-Jasik | Lecture 30  Seminar 20  Clinical class 20 | O | Exam | 70 | 3 |
| 8 | **Emergency Medicine 2/3**  Dr Grzegorz Cebula | Lecture 6  Seminar 5  Practical class 19 | O | Credit (grade) | 30 | 5 |

semester III, IV

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| **No.** | **Course name/ course co- ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | **Internal Medicine1/2 with Laboratory Diagnostics**  Dr hab. Grzegorz Gajos Prof. dr hab. Anetta Undas | **Internal Medicine I:**  Introduction to Internal Medicine (70 hrs) seminar – 35hrs clinical class – 35 hrs  Internal Medicine (120 hrs) case presentation 32 hrs clinical class 32 hrs  clinical class (BT)56 hrs  CARDIOLOGY 2 6 days  GASTROLOGY 4 days  PULMONOLOGY 4 days  ALLERGOLOGY 2 days  Laboratory Diagnostics (20 hrs) | O | Credit | 190+20  210 | 13+2  1  5 |
| 2 | **Medical Polish 2/3**  Prof. dr hab. Andrzej Borowski | Seminar 120 hrs | O | Exam | 120 | 4 |

semester IV

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| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | **Radiology**  Prof. dr hab. Andrzej Urbanik | Lecture 4  Seminar 46  Practical class 10 | O | Exam | 60 | 5 |
| 2 | **Surgery 1/2**  **Anatomy - course integrated with Surgery**  Dr hab. Antoni Szczepanik | Lecture - 5  Seminar 50  Practical class 5  Clinical class 50  **Anatomy** course integrated  Seminar 20 | O | Credit | 110+20  130 | 8+2  10 |
| 3 | **Physiology-**  **course integrated with Internal Medicine**  Prof. dr hab. Tomasz Brzozowski | Lecture 20 | O | Credit | 20 | 3 |
| 4 | **Dermatology and Venerology**  Dr Katarzyna Podolec | Seminar 20  Clinical class 25 | O | Exam | 45 | 3 |

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| 5 | **Otorhinolaryngology**  Dr Maciej Wiatr | Clinical class 45 | O | Exam | 45 | 3 |
| 6 | **Introduction to Neurology**  Prof. dr hab. Ralph Jozefowicz | Lecture 12  Seminar 18 | O | Graded Credit | 30 | 3 |

**Clerkship** – Primary Care – 1 week 40 hrs--optional

**Total number of hours:** 1260 (without clerkship)

**Total number of ECTS: 88** (without clerkship)

Course sequentiality - requirements for sitting 3rd year exam or earning a credit in 3rd year courses

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| **M-3 courses** | **To be allowed to sit for the exam, or earn a**  **credit in the course, required is completion of:** |  |
| Psychiatry | Pharmacology, Clinical Psychology |
| Pediatrics Pediatric Surgery | Pathology, Pharmacology, Radiology |
| Public Health |  |
| Professionalism and Communication Skills 2/2 | **\*** |
| Family Medicine | Pathology, Pharmacology, Radiology |
| Ophthalmology | Pathology, Pharmacology, Radiology |
| Toxicology | Pathology, Pharmacology, Radiology |
| Surgery 2/2 | Pathology, Pharmacology, Radiology |
| Orthopedics with Rehabilitation | Pathology, Pharmacology, Radiology |
| Palliative Medicine | Pathology, Pharmacology, Radiology |
| Oncology | Pathology, Pharmacology, Radiology |
| Geriatrics | Pathology, Pharmacology, Radiology |
| Neurology | Pathology, Pharmacology, Radiology |
| Obstetrics and Gynecology | Pathology, Pharmacology, Radiology |
| Internal Medicine 2/2 (with Rehabilitation 10 hrs) | Pathology, Pharmacology, Radiology |
| Forensic Medicine with elements of medical law |  |
| Anesthesiology and Intensive Care Medicine | Pharmacology |
| Emergency Medicine 3/3 | **\*** |
| Medical Polish 3/3 | **\*** |

\* – S eq u en t i a l i t y al so ap p l i e s t o su b se q u e n t p a r t s o f c o u r se s c o nt i nue d o v e r m o r e t ha n o ne a c a d e m i c y e a r

**M-3**

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| **No.** | **Course name/ course co-ordinator** | **Type of instruction/number of hours** | | **O/F/N** | **Type of crediting** | **Overall number of hours** | **ECTS**  **points** |
| 1 | Psychiatry  Prof. dr hab. Bogdan de Barbaro | Lectures 20  Clinical class 100 | | O | Graded Credit | 120 | 5 |
| 2 | Pediatrics with Pediatric Surgery  Dr Piotr Kruczek | Lecture 18  Seminar 40  Clinical class 172 | | O | Graded Credit | 200+30  230 | 11+2  =13 |
| 3 | Public Health  Dr hab. Aleksander Gałaś | Lecture 10  Practical class 20 | | O | Graded Credit | 30 | 2 |
| 4 | Professionalism and Communication Skills 2/2  Dr Michał Nowakowski | Practical class | 20 | O | Credit | 20 | 1 |
| 5 | Family Medicine  Prof. Adam Windak | Seminar Practical class | 30  30 | O | Graded Credit | 60 | 5 |
| 6 | Ophthalmology  Prof. dr hab. Bożena Romanowska-Dixon | Lecture Clinical class | 20  25 | O | Exam | 45 | 3 |
| 7 | Toxicology  Dr n. med. Piotr Hydzik | Seminar Clinical class | 30  10 | O | Graded Credit | 40 | 6 |
| 8 | Surgery 2/2  Dr hab. Antoni Szczepanik | Seminar/Case Presentation Clinical class ER | 60  103  20 | O | Graded Credit | 183 | 8 |
|  | Cardiosurgery  Prof. dr hab. Roman Pfitzner | Lecture Clinical class | 6  12 | O | in Surgery | 18 | 1 |
|  | Traumatology Dr Piotr Guzik | Seminar Clinical class | 20  20 | O | in Surgery | 40 | 2 |
|  | Neurosurgery  Dr Mariusz Krupa | Seminar Clinical class | 13  11 | O | in Surgery | 24 | 2 |
|  | Urology  Dr Wojciech Habrat | Seminar Clinical class | 16  12 | O | in Surgery | 30 | 3 |
| 9 | Orthopedics and Rehabilitation Dr Barbara Jasiewicz | Seminaria- 14 godz.  Ćwiczenia- 56 hrs | | O | Exam | 70 | 4 |
| 10 | Palliative Medicine Dr Michael Kozlowski | Seminar 10 hrs Clinical classes 10 hrs | | O | Credit | 20 | 3 |
| 11 | Oncology  Dr Kamil Konopka | Lecture Seminar Clinical class | 6 hrs  18 hrs  36 hrs | O | Exam | 60 | 4 |
| 12 | Geriatrics  Prof. dr hab. Jerzy Gąsowski | Seminar Clinical class | 20  25 hrs | O | Credit | 45 | 3 |

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| --- | --- | --- | --- | --- | --- | --- |
| 13 | Neurology  Prof. Ralph Jozefowicz | Lecture 40 hrs  Seminar 26 hrs Clinical class 49 hrs | O | Exam | 120 | 5 |
| 14 | Obstetrics and Gynecology Dr hab. Robert Jach | Seminar 64 hrs Clinical class 86 hrs | O | Graded Credit | 150 | 5 |
| 15 | Internal Medicine 2/2with Rehabilitation Prof. dr hab. Grzegorz Gajos | **Internal Medicine 2/2**  case presentation - 46 hrs clinical class – 46 hrs clinical class (BT) – 46 hrs  CARDIOLOGY 1 6 days  ELECTROCARDIOLOGY 2  ENDOCRINOLOGY 3  METABOLIC DISORDERS 2  NEPHOLOGY 4  HEMATOLOGY 4  REUMATOLOGY 2  **Rehabilitation**  clinical classes 10 | O | Graded Credit | 140+10  150 | 7 |
| 16 | Forensic Medicine with elements of medical law  Dr hab. Krzysztof Woźniak | Lecture 9 hrs  Seminar 53 hrs Practical class 8 hrs | O | Exam | 70 | 4 |
| 17 | Anesthesiology and Intensive Care Dr Agnieszka Jastrzębska | Lecture 21 hrs  Seminar 12 hrs Clinical class 27hrs | O | Exam | 60 | 4 |
| 18 | Emergency Medicine 3/3 Dr Grzegorz Cebula | Seminar 1  Practical class 39 | O | Graded Credit | 40 | 2 |
| 19 | Medical Polish 3/3  Mgr Dorota Rogala | Seminar 40 | O | Graded Credit | 40 | 4 |

**Clerkship :** Primary Care – 1 week 40 hrs /ECTS 1

Internal Medicine **-** 4 weeks 120 hrs/ECTS:4 Pediatrics – 2 weeks 60 hrs/ECTS:2

Surgery - 2 weeks 60 hrs/ECTS:2

OBGYN – 2 weeks 60 hrs/ECTS:2

Intensive Care- 2 weeks 60 hrs/ECTS:2

**Total number of hours:** 2065 (including 400 hrs of clerkship)

Total number of ECTS: 109

Course sequentiality - requirements for sitting 4th year exam or earning a credit in 4th year courses

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| --- | --- |
| **M-4** | **To be allowed to sit for the exam, or earn a credit in the course, required is completion of:** |
| Internal Medicine 8 wks | **\*** |
| Surgery 4 wks | **\*** |
| Pediatrics 4 wks | **\*** |
| Psychiatry 2 wks | **\*** |
| Family Medicine 2 wks | **\*** |
| Emergency Medicine 2 wks | **\*** |
| Obstetrics and Gynecology 2 wks | **\*** |
| Clinical Electives 6 wks | **\*** |

\* – Sequentiality also applies to subsequent parts of courses continued over more than one academic year

4th year Curriculum Outline

Based on the standards of education for medical studies of May 9, 2012

**(Dz.U. 05.06.2012, item 631)**

4th year

(Clinical training) 2017/2018

|  |  |  |  |
| --- | --- | --- | --- |
| **Course name** | **Number of hours** | **ECTS Points** | **Type of crediting** |
| Internal Medicine 8 wks | 240 | 17 | EXAM |
| Surgery 4 wks | 120 | 8 | EXAM |
| Pediatrics 4 wks | 120 | 9 | EXAM |
| Psychiatry 2 wks | 60 | 4 | EXAM |
| Family Medicine 2 wks | 60 | 4 | EXAM |
| Emergency Medicine 2 wks | 60 | 4 | EXAM |
| Obstetrics and Gynecology 2 wks | 60 | 3 | EXAM |
| Clinical Electives 6 wks | 180 | 11 | Credit |
| **Total** | **900** | **60** |  |

Overall: medical program

|  |  |  |
| --- | --- | --- |
| **Year of studies** | **Number of hours** | **ECTS Points** |
| **1st year preclinical** | 361 | 60 |
| **2nd year preclinical** | 270 | 60 |
| **M-1** | 1354 | 89 |
| **M-2** | 1260 | 88 |
| **M-3** | 2065 | 109 |
| **M-4** | 900 | 60 |
| **Total** | **6284** | **360** |