

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

M-1 students are obliged to complete at least one elective course

Extra-curricular:

Prof. Walter Chwals' lectures

At student's request, Dean promotes the student to subsequent year of study if the student obtained the following number of ECTS points:

M-1 - 74 out of 89 ECTS

M-2 – 73 out of 88 ECTS

M-3 – 90 out of 109 ECTS

M-4 – 50 out of 60 ECTS

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

1st year (preclinical)

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 Zajac	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

Total number of hours: 361
Total number of ECTS: 60

2nd year (preclinical)

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 ECTS: 60

M-1
semester I :

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

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:

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:

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
	Health and Safety		O	Credit	4	0

Clerkship :

Nursing– 4 weeks - 120 hours/ECTS: 4

Total number of hours:

Family Medicine – 3 weeks-80 hours/ECTS: 3

Total number of ECTS:

1354 (including 200 hrs of clerkship)

89

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

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 Internal 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, **sequentiality also applies to subsequent parts of courses continued over more than one academic year**

semester III

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

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 Medicine 1/2 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

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
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

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	*

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

M-3

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 30 Practical class 30	O	Graded Credit	60	5
6	Ophthalmology Prof. dr hab. Bożena Romanowska-Dixon	Lecture 20 Clinical class 25	O	Exam	45	3
7	Toxicology Dr n. med. Piotr Hydzik	Seminar 30 Clinical class 10	O	Graded Credit	40	6
8	Surgery 2/2 Dr hab. Antoni Szczepanik	Seminar/Case Presentation 60 Clinical class 103 ER 20	O	Graded Credit	183	8
	Cardiosurgery Prof. dr hab. Roman Pfitzner	Lecture 6 Clinical class 12	O	in Surgery	18	1
	Traumatology Dr Piotr Guzik	Seminar 20 Clinical class 20	O	in Surgery	40	2
	Neurosurgery Dr Mariusz Krupa	Seminar 13 Clinical class 11	O	in Surgery	24	2
	Urology Dr Wojciech Habrat	Seminar 16 Clinical class 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 Kozłowski	Seminar 10 hrs Clinical classes 10 hrs	O	Credit	20	3
11	Oncology Dr Kamil Konopka	Lecture 6 hrs Seminar 18 hrs Clinical class 36 hrs	O	Exam	60	4
12	Geriatrics Prof. dr hab. Jerzy Gaśowski	Seminar 20 Clinical class 25 hrs	O	Credit	45	3

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

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
1 st year preclinical	361	60
2 nd year preclinical	270	60
M-1	1354	89
M-2	1260	88
M-3	2065	109
M-4	900	60
Total	6284	360