

# INTERNAL MEDICINE COURSE

## 6-year MD program, 2018/2019

### Internal Medicine Clerkship Director:

**Assoc. Prof. Wiktoria Wojciechowska, MD, PhD**, 1st Department of Cardiology, ul. Kopernika 17; email: [wiktoria.wojciechowska@gmail.com](mailto:wiktoria.wojciechowska@gmail.com)

*assistant:* Adam Bednarski, MD, 1<sup>st</sup> Department of Cardiology, ul. Kopernika 17, [adam.bed85@gmail.com](mailto:adam.bed85@gmail.com)

### **Course information:**

Internal Medicine course is held during the 3<sup>rd</sup> year (2<sup>nd</sup> semester), 4<sup>th</sup> and 5<sup>th</sup> year. Within this time students are provided with an opportunity to visit and observe the functioning of most of Internal Medicine Departments of our University, including Departments of Cardiology, Pulmonology, Allergology and Immunology, Gastroenterology, Endocrine Diseases, Metabolic Disorders, Nephrology, Hematology and Rheumatology. Teaching is composed of three integrated parts, which are as follows:

**Seminars or case presentations** (usually the first 2 hours in the morning) given in all departments by leading consultants (in most cases by the head of the department). It should be emphasized, that the seminars are dedicated to the most important issues, rather than covering the whole material;

**Teaching ward rounds** (subsequent two hours) held in small groups; during the classes interesting cases are shown on the ward. The main goal of this part is to familiarize the students with clinical pathologies; and

**Bedside teaching**, held at chosen Departments during the whole course. The student is expected to be in Departments on daily basis, at least 2/3 hrs a day, when he/she clerks his/her own patients, suggests and discusses the necessary diagnostics and therapy.

### **STUDENT EVALUATION:**

Rules concerning the credits from different Departments depend on the local preferences and are clearly announced in the syllabus.

**In the beginning of 3<sup>rd</sup> year Internal Medicine course, group's representatives are obliged to contact Dr Adam Bednarski regarding final exam test for Credit.**

**The test summarizes the partial exams planned at each Department for the unification of assessment criteria. Questions are prepared by the assistants of the current course.**

**The aim of the exam is to evaluate the level of your knowledge acquired during the course and to gradually prepare you for the Internal Medicine final exam.**

**The accurate preparation for the classes and the systematic attendance will allow you to pass the test directly at the end of the course.**

**Once you arrange the date of the test, it cannot be changed**

## 1.Course Coordinators and Sites

### Hospital Coordinators:

Cardiology I/Vascular Diseases, Dept. of Coronary Disease and Heart Failure,  
ul. Prądnicka 80,  
Assoc. Prof. Olga Kruszelnicka-Kwiatkowska, MD, PhD  
[olga.kruszelnicka@gmail.com](mailto:olga.kruszelnicka@gmail.com)

and

Electrocardiology, Department of Electrocardiology,  
ul. Prądnicka 80,  
Jacek Bednarek, MD, PhD  
[bednarekj1@gmail.com](mailto:bednarekj1@gmail.com)

Cardiology II, 1<sup>st</sup> Department of Cardiology,  
ul. Kopernika 17,  
Assoc. Prof. Agnieszka Olszanecka, MD, PhD  
[olszanec@su.krakow.pl](mailto:olszanec@su.krakow.pl)

Cardiology III, Dept. of Interventional Cardiology,  
Ul. Prądnicka 80,  
Prof. Krzysztof Żmudka, MD, PhD / Jakub Podolec, MD, PhD  
[mczmudka@cyf-kr.edu.pl](mailto:mczmudka@cyf-kr.edu.pl) ; [jjpodolec@gmail.com](mailto:jjpodolec@gmail.com)

Pulmonology, 2<sup>nd</sup> Department of Internal Diseases,  
ul. Skawińska 8,  
Marek Przybyszowski, MD  
[mprzybyszowski@gmail.com](mailto:mprzybyszowski@gmail.com)

Allergology, 2<sup>nd</sup> Department of Internal Diseases,  
ul. Skawińska 8,  
Assoc. Prof. Stanisława Bazan-Socha, MD, PhD  
[mmsocha@cyf-kr.edu.pl](mailto:mmsocha@cyf-kr.edu.pl)

Endocrinology, Department of Endocrinology,  
ul. Kopernika 17,  
Assoc. Prof. Aleksandra Gillis-Januszewska, MD, PhD  
[myjanusz@cyf-kr.edu.pl](mailto:myjanusz@cyf-kr.edu.pl)

Metabolic Diseases, Department of Metabolic Diseases,  
ul. Kopernika 15,  
Małgorzata Waluś-Miarka, MD, PhD  
[mmwalus@wp.pl](mailto:mmwalus@wp.pl)

Nephrology, Department of Nephrology,  
ul. Kopernika 15,  
Piotr Jasik, MD, PhD  
[piotrj@mp.pl](mailto:piotrj@mp.pl)

Gastroenterology, Department of Gastroenterology,  
ul. Śniadeckich 5,  
Prof. Małgorzata Zwolińska-Wcisło, MD, PhD  
[mzwcislo@su.krakow.pl](mailto:mzwcislo@su.krakow.pl)

Hematology, Department of Hematology,  
ul. Kopernika 17,  
Marcin Sobociński, MD, PhD  
[marcinsobocinski1972@gmail.com](mailto:marcinsobocinski1972@gmail.com)

Rheumatology, Department of Rheumatology,  
ul. Śniadeckich 10,  
Beata Kwaśny-Krochin, MD, PhD  
[bkrochin@tlen.pl](mailto:bkrochin@tlen.pl)

Environmental Allergology, Department of Clinical and Environmental Allergology  
ul. Śniadeckich 10,  
Assoc. Prof. Grzegorz Porębski, MD, PhD  
[porebski@mp.pl](mailto:porebski@mp.pl)

1st Department of Internal Diseases (bedside teaching only)  
ul. Śniadeckich 10,  
Prof. Tomasz Grodzicki, MD, PhD  
[tomekg@su.krakow.pl](mailto:tomekg@su.krakow.pl)  
Dr Izabella Kierzkowska [iza.k@su.krakow.pl](mailto:iza.k@su.krakow.pl)

### **Syllabus of a component of a degree program**

Name of a Faculty	Faculty of Medicine, Jagiellonian University Medical College
Name of unit conducting a component	Internal Medicine Chair and Clinics UJ CM
Name of a component	Internal Medicine (IM)
International Standard Classification of Education ISCED	0912
Language of education	English
Goals of education	The primary goal of the Internal Medicine Course is the development of an understanding of the clinical presentation, basic physiology, physical findings, evaluation and management of adult patient diseases. The emphasis of the course is directed toward the integration of basic science with clinical skills.
Learning outcomes of a component	The core competencies that students must develop during training include ability to: obtain and record a patient's history in a logical and organized manner; perform and record a complete physical examination for newly admitted patients and an appropriately focused physical examination for follow up patients; obtain and understand supplemental information, i.e. lab studies, ECG, radiologic studies; formulate an assessment that includes differential diagnoses based on available data to guide initial diagnostic evaluation and disease management; present a patient's history and physical examination clearly and with appropriate detail orally and in writing report.
Verification methods and assessment criteria of learning outcomes obtained by students	patient's history to complete, oral and practical exams, tests
Type of a component	IM Introduction (IM I) during 3 <sup>rd</sup> year 1 <sup>st</sup> semester

	IM II during 3 <sup>rd</sup> year 2 <sup>nd</sup> semester IM III during 4 <sup>th</sup> year IM IV during 5 <sup>th</sup> year
Year of study	3-5
Semester	As above
Mode of study	long-cycle
Name and surname of the coordinator of a component and/or person/s conducting a component	<b>Coordinator: Assoc. Prof. Wiktoria Wojciechowska, MD, PhD</b> Adam Bednarski, MD, PhD Marcin Sobociński, MD, PhD (IM I Coordinator) Assoc. Prof. Aleksandra Gillis-Januszewska, MD, PhD Assoc. Prof. Stanisława Bazan-Socha, MD, PhD Prof. Tomasz Grodzicki, MD, PhD Piotr Jasik, MD, PhD Assoc. Prof. Olga Kruszelnicka-Kwiatkowska, MD, PhD Beata Kwaśny-Krochin, MD, PhD Assoc. Prof. Agnieszka Olszanecka, MD, PhD Małgorzata Waluś-Miarka, MD, PhD Prof. Małgorzata Zwolińska-Wcisło, MD, PhD Prof. Krzysztof Żmudka, MD, PhD
Name and surname of person/s conducting an examination or granting credit - if it's not a coordinator	IM I Marcin Sobociński, MD, PhD IM II-IV Assoc. Prof. Wiktoria Wojciechowska, MD, PhD Adam Bednarski, MD, PhD
Manner of completion	Credit based on attendance and knowledge presented during lectures and classes. After completing the IM course - final exam.
Preliminary and additional requirements	Knowledge: - Basic anatomy, physiology and pathophysiology
Type and number of hours of courses requiring direct participation of academic staff and students, if in a given component such courses are included	Introduction to Internal Medicine – 60 hrs Internal Medicine II – 70 hrs Internal Medicine III – 90 hrs Internal Medicine IV -90 hrs
Number of ECTS credits assigned to a component	Internal Medicine I and II – 60 hrs + 70 hrs 8 ECTS Internal Medicine III – 90 hrs 6 ECTS Internal Medicine IV – 90 hrs 5 ECTS
Balance of ECTS credits	
Applied teaching methods	seminars, case presentations, ward round teaching, bedside teaching
Form and conditions of passing a component, including conditions of allowing to take an examination, as well as form and conditions of passing each type of courses included in a given component	<b>IM I</b> credit based on: -attendance and knowledge presented during lectures and classes -permissible absences: 2 days -exam: test, practical and oral exam (history taking and physical examination)  <b>IM II</b>

	<p>credit based on:</p> <ul style="list-style-type: none"> <li>-attendance and knowledge presented during lectures and classes</li> <li>-permissible absences: 2 days</li> <li>-exam – test</li> </ul> <p><b>IM III:</b></p> <p>credit based on:</p> <ul style="list-style-type: none"> <li>-attendance and knowledge presented during lectures and classes</li> <li>-permissible absences: 2 days</li> <li>-exam – test</li> </ul> <p>- <b>IM IV:</b></p> <p>credit based on:</p> <ul style="list-style-type: none"> <li>-attendance and knowledge presented during lectures and classes</li> <li>-permissible absences: 2 days</li> <li>-exam – test</li> </ul> <p>The final exam: test and practical on the sixth year of the study after completion the IM module.</p>
Content of a module (with division into forms of courses completion)	<p><b>IM</b> Introduction (see a detailed syllabus)</p> <p><b>IM II</b> (see a detailed syllabus for each course)</p> <p>Gastroenterology</p> <p>Hematology</p> <p>Cardiology II</p> <p>Metabolic Diseases</p> <p><b>IM III</b> (see a detailed syllabus for each course)</p> <p>Cardiology I/Vascular Diseases</p> <p>Electrocardiology</p> <p>Nephrology</p> <p>Pulmonology</p> <p><b>IM IV</b> (see a detailed syllabus for each course)</p> <p>Endocrinology</p> <p>Cardiology III</p> <p>Rheumatology</p> <p>Environmental Allergology</p>
List of basic as well as supplementary literature, knowledge of which is required in order to pass a given component	see booklist