



Syllabus 2018/2019														
Description of the course														
Module/Course	ULTRASONOGRAPHY IN GASTROENTEROLOGY										Group of detailed education results			
											Group code F	Group name		
												Interventional	Clinical Sciences	
Faculty	Medicine													
Major	medicine													
Specialties	Not applicable													
Level of studies	Uniform magister studies <input type="checkbox"/> *x 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies <input type="checkbox"/>													
Form of studies	X full-time x part-time													
Year of studies	IV and V						Semester	x Winter x Summer						
Type of course	<input type="checkbox"/> obligatory <input type="checkbox"/> limited choice x free choice / elective													
Course	x major <input type="checkbox"/> basic													
Language of instruction	<input type="checkbox"/> Polish x English <input type="checkbox"/> other													
* mark <input type="checkbox"/> with an X														
Number of hours														
Form of education														
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
Winter Semester														
Department of Gastroenterology and Hepatology	5				5									
Summer Semester														



Department of Gastroenterology and Hepatology	5				5									

TOTAL per year:

Department of Gastroenterology and Hepatology	5				5									

Educational objectives (max. 6 items)

- C1. Basic knowledge regarding indication for US examination
- C2. To get to know with ultrasound anatomy
- C3. How to find pathological changes in US examination of abdomen
- C4. Indications and Technique of endoultrasound examination
- C5. Training of practical skills of ultrasound examination

Education result matrix for module/course in relation to verification methods of the intended education result and the type of class

Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>
K 01	FW10	Basic knowledge of standards of the contemporary imaging techniques	Discussion after lecture	L
S 01	FU6	Can perform examination of lymph nodes, thyroid glands and abdominal cavity	Self performance of US examination	CC,PCP

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:

Knowledge: 3
Skills: 4

Student's amount of work (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	10
2. Student's own work (self-study):	3
Total student's workload	13
ECTS points for module/course	0.5



Comments	
Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)	
Lectures 1. Indication for liver examination 2. US examination of the liver 3. US examination of the gall bladder and biliary tract 4. US examination of the pancreas 5. US examination of the kidneys 6. US examination of the spleen 7. US examination of the retroperitoneal space 8. Endo ultrasonography	
Seminars 1.	
Practical classes 1. Indication for liver examination 2. US examination of the liver 3. US examination of the gall bladder and biliary tract 4. US examination of the pancreas 5. US examination of the kidneys 6. US examination of the spleen 7. US examination of the retroperitoneal space	
Other 1. 2. 3. etc. ...	
Basic literature (list according to importance, no more than 3 items) 1. Julie M. Nightingale, Robert L. Law, <i>Metody obrazowania przewodu pokarmowego</i> , 2011 2. H. Kremer, W. Drobinski, <i>Diagnostyka ultrasonograficzna</i> , Wydawnictwo Urban&Partner, Wrocław, 1996 3. Hamm, Bernd; Ros, Pablo R., <i>Abdominal Imaging</i> , 2013	
Additional literature and other materials (no more than 3 items) 1. 2. 3.	
Didactic resources requirements (e.g. laboratory, multimedia projector, other...)	



Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Oral and practical test.

Each absence must be made up, including rector's days or dean's hours.

Grade:	Criteria for course
Very Good (5.0)	Can perform basic US examination of abdominal cavity
Good Plus (4.5)	Can perform US examination of liver and gall bladder
Good (4.0)	Knows basics of US examination of abdominal cavity
Satisfactory Plus (3.5)	Knows clinical application of US examination of abdominal cavity in diagnostics
Satisfactory (3.0)	Knows indications to US examinations of abdominal cavity

Name of unit teaching course:	Dept. and Clinic of Gastroenterology and Hepatology
Address	Borowska 213, 50-556 Wrocław
Phone	71 733 21 20
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Person responsible for course:	Katarzyna Neubauer, MD, Ph.D
Phone	71 733 21 20
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<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
Katarzyna Neubauer	MD, Ph.D, internal medicine specialist, gastroenterologist	medicine	doctor	lectures, classes



Date of Syllabus development

27 June 2018

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Syllabus developed by

Katarzyna Neubauer MD; Ph.D.

Signature of Head of teaching unit

Signature of Faculty Dean

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KATEDRA GASTROENTEROLOGII I HEPATOLOGII
KLINIKA GASTROENTEROLOGII I HEPATOLOGII
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prof. dr hab. Elżbieta Poniewierka

