Appendix 5
to Resolution No. 15630
of Senate of Wroclaw Medical University
of 30 March 2016

Syllabus 2020/2021

Description of the course

Module/Course	**ONCOLOGY**	Group of detailed education results	
		Group code E F	Group name Nonsurgical and surgical Clinical Subjects
Faculty	Medicine		
Major	Medicine		
Specialties			
Level of studies	Uniform magister studies X* 1st degree studies ☐ 2nd degree studies ☐ 3rd degree studies ☐ postgraduate studies ☐		
Form of studies	X full-time		
Year of studies	V	Semester	X Winter X Summer
Type of course	X obligatory ☐ limited choice ☐ free choice / elective		
Course	☐ major ☐ basic		
Language of instruction	☐ Polish X English ☐ other		

* mark ☐ 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 Oncology	30				25									
Summer Semester														
Department of Oncology					25									

TOTAL per year: 80														

Educational objectives (max. 6 items)

C1. Developing skills to diagnose and properly stage malignant neoplasms.

C2. Knowledge of combined modality treatment principles.

C3. Developing skills to choose optimal treatment method and procedures during and after the treatment, including communication with the oncological patient and his/her family.

C4. Knowledge of supportive, palliative and analgesic care. Recognizing life threatening situations in oncology.

C5. Developing skills to use methods of early cancer detection and prophylaxis.

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 ***enter the abbreviation*
W 01	E.W23	1. . Knows environmental and epidemiological etiology factors of the most common human malignant neoplasms.	Cases analysis, observation, open problems, activity during clinical classes	L, CC
	E.W25	2. . Knows modern oncology treatment capabilities (including multimodal treatment), cell and gene therapy perspectives and its adverse effects.		
	E.W26	3. Knows combined modality treatment principles and diagnostics-therapeutic algorithms in the most common human malignant neoplasms.		
	E.W27	4. Knows and understands causes, symptoms, diagnostics and treatment rules in the most common problems of palliative medicine including: symptomatic care of somatic symptoms, dealing with cachexia and life threatening situations, decubitus prophylaxis and treatment.		
	E.W28	5. Knows the palliative principles of dealing with a terminal patient		

	E.W29	6. Knows the pain treatment rules, including cancer related and chronic pain.		
U1 **U2** **U3** **U4** **U5** **U6** **U7**	**E.U16** **E.U17** **E.U18** **E.U20** **E.U21** **E.U24** **F.U6**	1. Plans diagnostic, therapeutic and prophylactic procedures 2. Analyses eventual adverse effects and interactions of certain drugs. 3. Proposes individualization of valid therapy guidelines and/or other methods of treatment in case of ineffective or contraindications to standard treatment. 4. Qualifies patients to hospital or outpatient treatment. 5. Defines stages where further living, functional stage or patients preferences limit standard therapeutic procedures in certain oncological disease. 6. Interprets laboratory findings and indentifies *deviation causes*. 7. Examines breasts and peripheral lymphnodes.	Cases analysis, observation, activity during clinical classes	L, CC
K 01 K 02 K 03 K 04	K. 3A K. 3B D. U4 D. U12	1. Directs the good of the patient, placing them in the first place. 2. Is able to establish and maintain a deep and respectful contact with the patient. 3. builds an atmosphere of trust during the entire treatment process. 4. Adheres to ethical standards in professional activities	cooperates in a group, actively participates	L, CC

** 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: 5
Skills: 4
Social competences: 4

Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	**Student Workload (h)**
1. Contact hours:	80
2. Student's own work (self-study):	55
Total student's workload	135
ECTS points for module/course	4,0
Comments	None

Content of classes

1. Malignant neoplasms as a medical and social problem. Epidemiology and the results of cancer treatment.
2. The strategy of cancer diagnosis and treatment. Oncological sensitivity – early symptoms of cancer. Methods of cancer diagnosis and staging
3. Cancer markers. Prognostic and predictive factors. The role of general practitioner in diagnosing cancer and the oncological patient care. Procedure after finishing cancer treatment. Oncology guidelines.
4. Radiotherapy as a single and combined method of oncological treatment, radiosensitivity and radiocurability. Radiation reactions. Radiation principles and techniques used in oncology. Radiotherapy as a part of organ sparing treatment.
5. Systemic treatment: schemes and capacity. Systemic treatment adverse effects: prophylaxis and treatment. Oncological treatment and ability to procreate. Criticism in interpreting clinical trials. New drugs in oncology. Respiratory system, GI tract, CNS, GU, skin, breast and head and neck cancers and sarcomas. Supportive and palliative care in oncology.

Lectures

1. Strategy of cancer diagnosis, treatment and follow-up L, 2h
2. Radiotherapy in gynecology. Emergencies in cancer patients. L, 2h
3. Radiotherapy. Technical and physical basics of radiotherapy. Advances in radiotherapy. Radiotherapy in organ conserving cancer treatment L, 2h
4. Chemotherapy, hormonotherapy and molecular targeted therapy. Quality of life in cancer patients L, 2h
5. Cancer epidemiology. Results of cancer treatment. Primary and secondary prophylaxis of cancer. L, 2h

Practical classes

1. Breast cancer CC 5h
2. Radiotherapy CC 5h
3. Upper gastrointestinal tract – radiotherapy CC 5 h
4. Head and neck cancer – radiotherapy CC 5h
5. Lower gastrointestinal tract – radiotherapy CC5h
6. Melanoma and skin cancer CC 5h
7. Genitourinary cancer – radiotherapy CC 5h
8. Soft tissues and bone sarcomas CC 5h

9. lung cancer – radiotherapy CC 5h
10. Gynaecological cancer – radiotherapy CC 5h

Basic literature (list according to importance, no more than 3 items)

1. DeVita, Hellman and Ropsenberg's Cancer: Principles and Practice of Oncology Review by Ramaswamy Govindan M; Lippincott Williams & Wilkins Publishers
2. Oxford Handbook of Oncology
3. Washington Manual Of Oncology

Additional literature and other materials (no more than 3 items)

1. DeVita, Hellman and Rosenberg's Cancer: Principles and Practice of Oncology Review by Ramaswamy Govindan M; Lippincott Williams & Wilkins Publishers
2. *CA A Cancer Journal for Clinicians* Wydanie polskie: Onkologia po Dyplomie, Medical Tribune Group. Sp. z o.o. Warszawa
3. *UICC Manual of Clinical Oncology*; by Raphael E. Pollock, James H. Doroshow, David Khayat, Akimasa Nakao, Brian O'Sullivan (Editors); John Wiley & Sons
4. Bajcar S., Grzegorczyk I. Atlas diagnostyki zmian barwnikowych skóry. Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2000
5. Bengel W., Vehman G. Diagnostyka różnicowa chorób błon śluzowych jamy ustnej. Wydawnictwo Kwintescencja, Warszawa 2000
6. Włodek-Owińska B., Świński T. Atlas chorób błony śluzowej jamy ustnej. PZWL, Warszawa 1993.
7. Wąsik F, Baran E, Szepietowski J. Atlas chorób skóry. Wydawnictwo Volumed, 1993.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)
Computer, multimedia projector, fantoms.

Preliminary conditions : preliminary test
Preparation for classes prescribed textbook (field activities according to the plan), and knowledge from previous years of study.

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 med by the student to pass it and criteria for specific grades)
Absences (including Rector's hours) must be resolved - a way to be agreed with the teachers (presentation, essay on the topic).
Active participation in class, presence in accordance with the studies regulations.
Test exam: multiple/single choice, multiple/single answer and matching response.
Oral exam possible if number of students willing to take the test is too small.
Oral exam: 3 questions from the set of issues. Every question graded with points from 0-3 (0-lack of knowledge, 1-basic knowledge,2- incomplete knowledge, 3 complete knowledge of the issue).

Grade:	Criteria for course
Very Good (5.0)	96-100% Achieving the assumed learning outcomes covering all relevant aspects.
Good Plus (4.5)	91-95% Achieving the assumed learning outcomes covering all relevant aspects

	with some errors or inaccuracies.
Good (4.0)	81-90% Achieving the assumed learning outcomes without some less important aspects.
Satisfactory Plus (3.5)	71-80% Achieving the assumed learning outcomes, omitting some important aspects or with significant inaccuracies.
Satisfactory (3.0)	61-70% Achieving the assumed learning outcomes, bypassing some important aspects or with serious inaccuracies.
Failing (2.0)	<60% No achievement of the expected learning outcomes.

Grade:	**Criteria for exam (if applicable)**
Very Good (5.0)	96-100% or 9 pts. from oral exam
Good Plus (4.5)	90-95% or 8 pts. from oral exam
Good (4.0)	80-89% or 7 pts. from oral exam
Satisfactory Plus (3.5)	70-79% or 6 pts. from oral exam
Satisfactory (3.0)	60-69% or 5 pts. from oral exam

Name and address of module/course teaching unit, contact: telephone and e-mail address

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Coordinator / Person responsible for module/course, contact: telephone and e-mail address

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List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

professor Rafał Matkowski - MD, PhD, surgical oncology

Adam Maciejczyk - MD, PhD, radiotherapy, L, CC
Marcin Jędryka – MD, PhD, gyneacolog, L, CC
Marcin Ekiert- MD, PhD, clinical oncology, L, CC

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Marcin Stępień – MD, radiotherapy, L, CC
Katarzyna Soter – MD, PhD, clinical oncology , L, CC
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Date of Syllabus development

.....31.05.2020.....

Syllabus developed by

dr Urszula Staszek-Szewczyk

Signature of Head of teaching unit

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Signature of Faculty Dean

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