





TOTAL per year: 60													
<p><b>Educational objectives</b> (max. 6 items)</p> <p><b>C1.</b> Developing skills to diagnose and properly stage malignant neoplasms.</p> <p><b>C2.</b> Knowledge of combined modality treatment principles.</p> <p><b>C3.</b> Developing skills to choose optimal treatment method and procedures during and after the treatment, including communication with the oncological patient and his/her family.</p> <p><b>C4.</b> Knowledge of supportive, palliative and analgesic care. Recognizing life threatening situations in oncology.</p> <p><b>C5.</b> Developing skills to use methods of early cancer detection and prophylaxis.</p>													
<b>Education result matrix for module/course in relation to verification methods of the intended education result and the type of class</b>													
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>									
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, PCP, CSC									
	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.											



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

\*\* 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	
<b>Student's amount of work (balance of ECTS points)</b>	
<b>Student's workload</b> (class participation, activity, preparation, etc.)	<b>Student Workload (h)</b>
1. Contact hours:	60
2. Student's own work (self-study):	32,5
Total student's workload	92,5
<b>ECTS points for module/course</b>	3,5
Comments	None
<b>Content of classes</b>	
<ol style="list-style-type: none"> <li>1. Malignant neoplasms as a medical and social problem. Epidemiology and the results of cancer treatment.</li> <li>2. The strategy of cancer diagnosis and treatment. Oncological sensitivity – early symptoms of cancer. Methods of cancer diagnosis and staging.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>6. Respiratory system, GI tract, CNS, GU, skin, breast and head and neck cancers and sarcomas.</li> <li>7. Supportive and palliative care in oncology.</li> </ol>	
<b>Lectures</b>	
<ol style="list-style-type: none"> <li>1. Strategy of cancer diagnosis, treatment and follow-up</li> <li>2. Radiotherapy in gynecology. Emergencies in cancer patients.</li> <li>3. Radiotherapy. Technical and physical basics of radiotherapy. Advances in radiotherapy. Radiotherapy in organ conserving cancer treatment</li> <li>4. Chemotherapy, hormonotherapy and molecular targeted therapy. Quality of life in cancer patients</li> <li>5. Cancer epidemiology. Results of cancer treatment. Primary and secondary prophylaxis of cancer.</li> </ol>	
<b>Seminars</b>	
<b>Practical classes</b>	
<ol style="list-style-type: none"> <li>1. Breast cancer</li> <li>2. Radiotherapy</li> <li>3. Upper gastrointestinal tract – radiotherapy</li> <li>4. Head and neck cancer - radiotherapy</li> <li>5. Lower gastrointestinal tract – radiotherapy</li> <li>6. Melanoma and skin cancer</li> <li>7. Genitourinary cancer - radiotherapy</li> <li>8. Soft tissues and bone sarcomas</li> <li>9. Lung cancer - radiotherapy</li> </ol>	



10. Gynaecological cancer – radiotherapy

**Other**

- 1.
- 2.
- 3.

etc. ...

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

1. DeVita, Hellman and Roposenberg'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., Grzegorzczak 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, phantoms.

**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 met by the student to pass it and criteria for specific grades)

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).



<b>Grade:</b>	<b>Criteria</b> (only for courses/modules ending with an examination)
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**

**Department of Oncology**, Faculty of Postgraduate Medical Training  
Pl. Hirszfelda 12, Wrocław, tel. +48 71 3689391, fax: +48 71 3619111,  
<http://www.onkologia.am.wroc.pl/>  
tel.: 713689391, tel./faks: 713619111 e-mail: wk-28@umed.wroc.pl

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

prof. dr hab. n. med. Rafał Matkowski  
tel: 71 3689391  
e-mail: rafal.matkowski@umed.wroc.pl

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

prof. dr hab. n. med. Rafał Matkowski - lekarz, chirurg-onkolog – L,CC, CSC, PCP  
dr hab. n. med. Adam Maciejczyk - lekarz, radioterapeuta - L,CC, CSC, PCP  
dr n. med. Marcin Jędryka – lekarz, ginekolog-onkolog - L,CC, CSC, PCP  
dr n. med. Marcin Ekiert- lekarz, onkolog kliniczny - L,CC, CSC, PCP  
dr n. med. Agnieszka Ignatowicz-Pacyna - lekarz, radioterapeuta -L,CC, CSC, PCP  
dr n. med. Aleksandra Łacko - lekarz, onkolog kliniczny - L,CC, CSC, PCP  
dr n. med. Małgorzata Rusiecka – lekarz, radioterapeuta - L,CC, CSC, PCP  
dr hab. n. med. Jolanta Szelachowska – lekarz, radioterapeuta - L,CC, CSC, PCP  
dr n. med. Krzysztof Szewczyk – lekarz, chirurg-onkolog - L,CC, CSC, PCP  
dr n. med. Radosław Tarkowski – lekarz, chirurg-onkolog - L,CC, CSC, PCP  
dr n. med. Urszula Staszek-Szewczyk - lekarz, chirurg - L,CC, CSC, PCP  
lek. Marcin Stępień – lekarz, radioterapeuta - L,CC, CSC, PCP  
lek. Katarzyna Soter – lekarz, onkolog kliniczny - L,CC, CSC, PCP  
lek. Ewelina Łata-Woźniak – lekarz, radioterapeuta - L,CC, CSC, PCP  
lek. Andrzej Czeakański – lekarz ginekolog-onkolog - L,CC, CSC, PCP  
lek. Piotr Lepka – lekarz (ginekolog w trakcie specjalizacji) - L,CC, CSC, PCP  
**DOKTORANCI**  
lek. Krystian Lichoń – lekarz (radioterapeuta w trakcie specjalizacji) - L,CC, CSC, PCP  
lek. Dominika Zielecka – lekarz (radioterapeuta w trakcie specjalizacji) - L,CC, CSC, PCP  
lek. Katarzyna Konat – lekarz (radioterapeuta w trakcie specjalizacji) - L,CC, CSC, PCP

Uniwersytet Medyczny we Wrocławiu  
KATEDRA ONKOLOGII  
pl. L. Hirszfelda 12, 53-413 Wrocław  
tel. 71 368 93 91, tel./faks: 71 361 91 11



**Date of Syllabus development**

.....29.06.2016.....

**Syllabus developed by**

.....

**Signature of Head of teaching unit**

Uniwersytet Medyczny we Wrocławiu  
KATEDRA ONKOLOGII,  
KATEDRA CHIRURGII ONKOLOGICZNEJ  
Kierownik

prof. dr hab. Rafal Matkowski

**Signature of Faculty Dean**

Wrocław Medical University  
FACULTY OF MEDICINE  
VICE-DEAN FOR STUDIES IN ENGLISH  
Prof. Andrzej Hendrich, PhD