



Dietary supplements – theory and practice

Suplementy diety – teoria I praktyka

1. IMPRINT

Academic Year	2026/2027
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline	Medical science
Study Profile	<i>General academic</i>
Level of studies	Uniform MSc
Form of studies	Full time studies
Type of module / course	Non-compulsory (optional)
Form of verification of learning outcomes	Completion
Educational Unit / Educational Units	Department of Social Medicine and Public Health Medical University of Warsaw Medical Simulation Center Banacha Campus 3a Pawińskiego St., 02-106 Warsaw E-mail: msizp@wum.edu.pl
Head of Educational Unit / Heads of Educational Units	Prof. Aneta Nitsch-Osuch, MD, PhD
Course coordinator	Katarzyna Okręglicka, PhD kokreglicka@wum.edu.pl
Person responsible for syllabus	Katarzyna Okręglicka, PhD kokreglicka@wum.edu.pl
Teachers	Katarzyna Okręglicka, PhD kokreglicka@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	IV year, summer, and winter semester	Number of ECTS credits	2.00
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FORMS OF CLASSES	Number of hours	ECTS credits calculation
Contacting hours with academic teacher		
Lecture (L)		
Seminar (S)	30 (e-learning)	1.2
Classes (C)		
e-learning (e-L)		
Practical classes (PC)		
Work placement (WP)		
Unassisted student's work		
Preparation for classes and completions	20	0.8

3. COURSE OBJECTIVES

O1	Familiarise oneself with the types of available on market dietary supplements. Dietary Supplement Regulation on Polish and European market.
O2	Familiarise oneself with the relationship between various dietary supplements intake and the state of human health.
O3	Familiarise oneself with food additives present in dietary supplements and functional food (sweeteners, preservatives, antioxidants), their safety of use and health effects.

1. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

Code and number of the effect of learning in accordance with standards of learning	Effects in the field of: <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 29th of September 2023)</i>

Knowledge – Graduate* knows and understands:

C.W43	basics of general toxicology;
C.W48.	consequences of deficiency or excess of vitamins or minerals in human organism;
C.W50.	consequences of improper nutrition, including long-term starvation, too square meals and unbalanced diet and disorders of digestion and absorption of digestion products;
D.W14	rules of promotion of health, its objectives and main directions of operation, with a special focus on the awareness of healthy lifestyle;

D.W15	how to motivate patients to healthy conduct and pass bad news;
Skills– Graduate* is able to:	
D.U1.	include patient's subjective needs and expectations resulting from the socio-cultural background in the entire therapeutic process;
D.U7.	involve a patient in the treatment process;
B.U10.	use databases, including the Internet and search for needed information with available tools;

* In appendix to the Regulation of Minister of Science and Higher education from 29th of September 2023, „graduate”, not student is mentioned.

2. ADDITIONAL EFFECTS OF LEARNING <i>(non-compulsory)</i>	
Number of effect of learning	Effects in the fields of:
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

3. CLASSES		
Form of class	Class contents	Effects of Learning
S-el1	Dietary supplements – definitions, legal regulation on Polish and European market	C.W43; C.W48; C.W50.; D.W14; D.W15
S-el2	Vitamins and minerals supplements – indications to use	C.W43; C.W48; C.W50.; D.W14; D.W15
S-el3	Bioactive plant compound used in dietary supplements with proven beneficial effects on the human body.	C.W43; C.W48; C.W50.; D.W14; D.W15
S-el4	Food Additives - definitions, legal regulation on Polish and European market.	C.W43; C.W48; C.W50.; D.W14; D.W15
S-el5	Non-sugar sweeteners – safe alternative for sugar or hazard.	C.W43; C.W48; C.W50.; D.W14; D.W15
S-el6	Preservatives, antioxidants, food colouring – benefits and limitations in use	C.W43; C.W48; C.W50.; D.W14; D.W15

S-el7	Food additives health impact.	C.W43; C.W48; C.W50.; D.W14; D.W15
S-el8	Theory vs practice – part 1. Dietary supplements exposure – deficiency or overdose. Practice course.	D.U1.; D.U7.; B.U10.
S-el9	Theory vs practice – part 2. Sugar or Non-sugar sweeteners exposure – safe intake or overdose. Practice course.	D.U1.; D.U7.; B.U10.
S-el10	Theory vs practice – part. 3 Common food preservatives – main sources in diet. Practice course.	D.U1.; D.U7.; B.U10.

4. LITERATURE

Obligatory

1. Willett W, Rockström J, Loken B. i wsp. Food in the Anthropocene: the EAT–Lancet Commission on healthy diets from sustainable food systems. The Lancet. 2019; 393(10170):447-492.
2. Melina V, Craig W, Levin S. Position of the Academy of Nutrition and Dietetics: vegetarian diets. Journal of the Academy of Nutrition and Dietetics. 2016; 116(12):1970-1980.
3. Gehring J, Touvier M, Baudry J. i wsp. Consumption of ultra-processed foods by pesco-vegetarians, vegetarians, and vegans: associations with duration and age at diet initiation. The Journal of nutrition. 2021; 151(1):120-131.

Supplementary

5. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
C.W43; C.W48; C.W50.; D.W14; D.W15	Active participation in e-learning. Test	Certificate
D.U1.; D.U7.; B.U10.	Active participation in seminars, preparing final work. Test	To pass is necessary to collect above 60% of the maximum possible points from assignments and test.

6. ADDITIONAL INFORMATION

(Optional course – full on e-learning platform.

Access to e-learning will be available from 21th of October 2026 to 8th January 2027 and 1st March to 31st of May 2027;

A person responsible for the course: Katarzyna Okreglicka PhD, katarzyna.okreglicka@wum.edu.pl,

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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers