

# ELECTIVES COURSE CATALOG

## 2021/2022

Department	Lecturer		General competences	Learning outcomes	Teaching methods (lectures, practical training, teamwork, seminars, project work, case study etc.)	Higher education level	Study programme / specialty	Prerequisites	Semester restrictions
	Lectures	Seminars, practical and laboratory classes							
<b>MEDICINE AND SPORTS ELECTIVES</b>									
<a href="https://pg.cabinet.sumdu.edu.ua/catalog">https://pg.cabinet.sumdu.edu.ua/catalog</a>									
<b>Immunoprophylaxis of Infectious Diseases (Language – Ukrainian)</b>									
<a href="https://pedpo.med.sumdu.edu.ua/images/documents/sulabus_imynoprofilaktuka.pdf">https://pedpo.med.sumdu.edu.ua/images/documents/sulabus_imynoprofilaktuka.pdf</a>									
Department of Pediatrics		Smiyan K.O.	Ability to act socially responsible and civic conscious	Understand the benefits of vaccination. Be able to organize support for immunoprophylaxis in society. Understand the benefits of the National Prophylactic Vaccination Calendar and the Epidemiological Vaccination Calendar	Practice, seminars, problem classes, teamwork	For students of all educational levels	For all fields of knowledge and specialties, except for the specialties of the Medical Institute	There are no special input requirements	Without restrictions
<b>Features of Care for Children under 3 Years (Language – Ukrainian)</b>									
<a href="https://pedpo.med.sumdu.edu.ua/images/documents/sulabys_doglad_do_3_rokiv.pdf">https://pedpo.med.sumdu.edu.ua/images/documents/sulabys_doglad_do_3_rokiv.pdf</a>									
Department of Pediatrics		Romanyuk O.K.	Ability to apply knowledge in practical situations. Ability to act socially responsibly and civically consciously in order to raise a healthy child	Understand the theoretical aspects of the physiology of children under 3 years. Be able to take care of children under 3 years; to carry out hygienic procedures of this category of children	Practice, seminars	For students of all educational levels	For all fields of knowledge and specialties, except for the specialties of the Medical Institute	There are no special input requirements	Without restrictions

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<b>Nutrition (Features of Proper Nutrition in Various Diseases) (Language – Ukrainian)</b> <a href="https://pedpo.med.sumdu.edu.ua/images/documents/Sulabys_Nytrisiologia.pdf">https://pedpo.med.sumdu.edu.ua/images/documents/Sulabys_Nytrisiologia.pdf</a>									
Department of Pediatrics		Romanyuk O.K.	Ability to apply knowledge in practical situations. The ability to act socially responsible and civic consciously in choosing adequate nutrition	Be able to assess the adequacy of nutrition to the needs of the body depending on the disease and age	Practice, seminars	For students of all educational levels	For all fields of knowledge and specialties, except for the specialties of the Medical Institute	There are no special input requirements	Without restrictions
<b>Contraception and Family Planning (Language – Ukrainian)</b> <a href="https://obsgyn.med.sumdu.edu.ua/index.php?option=com_content&amp;id=30&amp;lang=uk">https://obsgyn.med.sumdu.edu.ua/index.php?option=com_content&amp;id=30&amp;lang=uk</a>									
Obstetrics, gynecology and family planning		Smiyan S.A.	Ability to apply knowledge in practical situations. The ability to act socially responsibly and consciously	Understand the theoretical aspects of contraception, types of contraception, methods, and techniques of contraceptive use. Be able to choose the most more effective method of contraception. Perform sanitary work among the population	Practice, problem classes, teamwork	Without restrictions	For the entire contingent of applicants, except for the specialties of the Medical Institute	There are no special input requirements	Without restrictions
<b>First Aid (Language – Ukrainian)</b> <a href="https://emergency.med.sumdu.edu.ua/disciplini/bazovij-silabus-navchalnoyi-discipli/">https://emergency.med.sumdu.edu.ua/disciplini/bazovij-silabus-navchalnoyi-discipli/</a>									
Department of Emergency Care and Disaster Medicine		Shkatula Yu.V. Shapoval I.V.	Ability to apply knowledge in practical situations. Ability to identify, pose	Assess the level of structural and functional disorders of the victim's body in emergency situations, determine the level of threat to the	Practical classes, discussions, problem classes, group work	Without restrictions	For all fields of knowledge and specialties, except for	Special incoming requirements missing, audience based on	Without restrictions

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			and solve problems. Ability to work in a team	victim's life and the need for first aid. Provide first aid in case of respiratory failure, cardiac arrest, fainting, traumatic and thermal injuries, drowning and mechanical asphyxia, acute poisoning and other emergencies that threaten the life of the victim. Apply the principles of medical sorting and transportation of victims in extreme situations			the specialties of the Medical Institute	Department of Emergency Care and Disaster Medicine	
<b>Modern Problems of Biophysics (Language – Ukrainian)</b>									
Department of Biophysics, Biochemistry, Pharmacology and Biomolecular Engineering		Sukhodub L.F. Natalich V.V.	Ability to learn and master modern knowledge. Ability to use information and communication technologies. Ability to conduct research at the appropriate level. Ability to search, process and analyze information from various sources	Understand the physical foundations of modern methods of studying biological systems and methods of visualization in medical diagnostics. Analyze the possibilities of using electron microscopy in research practice. Be able to explain the nature of the interaction of different types of radiation with biological media	Practical classes, seminars	For students of all educational levels	For the entire contingent of applicants from the Faculty of Electronics and Information Technology	General educational level of knowledge in physics and biology	Without restrictions

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	Lectures	Seminars, practical and laboratory classes							
<b>Development of Materials for Medicine (Language – Ukrainian)</b>									
Department of Morphology		Pogorelov M.V. Kornienko V.M.	Ability to conduct research at the appropriate level. Ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge / types of economic activity). Ability to search, process and analyze information from various sources	Understand the requirements for medical devices. Understand the nature of the interaction of materials with the body. Be able to choose the optimal parameters for the development of medical devices. Have information about the market of medical devices	Practical classes, seminars	Without restrictions	For the whole contingent of applicants from the faculties of TESET and ELITE	General educational level of knowledge in physics and chemistry	Without restrictions
<b>Sports Improvement – I (Language – Ukrainian)</b>									
Department of Physical Education and Sports		Pilipey L.P., Ostapenko Yu.O., Sirik A.E.	Ability to act socially responsibly and civically consciously apply the means and methods of physical culture to strengthen	Use the means and methods of physical culture to strengthen health in professional activities; professionally important motor skills. Be able to assess and monitor the level of	Practical training	Bachelor Master	For the entire contingent of applicants, except for applicants for the specialty	Without restrictions	Without restrictions

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	Lectures	Seminars, practical and laboratory classes							
			individual health in professional activities	physical condition and individual health			017 Physical Culture and Sports		
<b>Sports Improvement II (Language – Ukrainian)</b>									
Department of Physical Education and Sports		Pilipey L.P., Ostapenko Yu.O., Sirik A.E.	Ability to act socially responsibly and civically consciously apply the means and methods of physical culture to strengthen individual health in professional activities	To use the means and methods of physical culture to strengthen the state of health in professional activities; professions are important motor skills. Be able to assess and monitor the level of physical condition and individual health	Practical training	Bachelor Master	For the entire contingent of applicants, except for applicants for the specialty 017 Physical Culture and Sports	Availability of a confirmed sports qualification	Without restrictions
<b>Basics of Sports Bridge (Language – Ukrainian)</b>									
Department of processes and equipment of chemical and oil refining industries		Mikhailovsky Ya.E.	Ability to abstract thinking, analysis, and synthesis	Understand the rules of modern sports bridge. Adhere to ethical norms of behaviour of the participant of competitions in sports bridge. Carry out bridge trade in the conditions of incomplete information and play the established contract, analyzing the received information and making decisions based on logical inferences. Achieve a positive result at the game table, interacting with partners	Practical classes, teamwork	For the whole contingent	For all specialties	Lack of preconceptions against card games	Without restrictions

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	Lectures	Seminars, practical and laboratory classes							
				from different countries and different professional inclinations					