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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty:	
Course ID: USL/ BEE/14	Course name: Bioethics in the Environment
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course:	
Course level: N	
Prerequisites:	
Conditions for course completion: Attendance on lectures and seminars to the specified extent, successful presentation of seminar work.	
Learning outcomes: The aim of the subject is to acquaint students with ethical aspects of bioethical principles in the environment. It provides a bioethical assessment of the relationships between selected environmental factors and their impact on humans, such as exposure to pollutants in the environment, water, air, soil, poisoning including drug addiction, smoking, food chain, food, fungi and their toxicity, genetically modified foods in crop and animal production, overproduction of animals, greenhouse effect, spraying substances, cleaning agents. The selected issue are significantly polluted areas of Slovakia with high concentrations of chemicals, as well as ethical dilemmas of the impact of transport, urban planning, information technology and other socio-economic factors on the health of the human population, with emphasis on children as a particularly sensitive subgroup of the population.	
Brief outline of the course: Biosphere. Basic biotic and abiotic components. Environment – its characteristics and impact on the health of the population. Ethical aspects of the environment in general. Basic ethical dilemmas in environmental issues. Environmental hygiene. Environmental factors important for health – physical, chemical, microbiological. Atmosphere. The effect of atmosphere on human health. Ethical dilemmas of polluted air. Greenhouse effect. Smog. Emissions. Immissions. Measures to protect clean air. Ethical aspects of water management. Hydrosphere – water distribution, its meaning and function. Areas of protection of water resources. Indicators of drinking water quality. Ethical dilemmas of water safety. Water and morbidity. Lithosphere – significance, properties, contamination, health risks, protection and prevention. Waste issues - types of waste, disposal, separation and recycling. Ethical dilemmas of ecological issues – ecological crises, prevention and measures. Ethical dilemmas of waste management. Presence of environmental pollutants with a focus on heavy metals. Heavy metals in the air, water and soil. Situation of heavy metal pollution in Slovakia. Poisons in general. Drugs and drug addiction. Fungi and their toxicity. Ethical dilemmas and model scenarios – poisoning, drug problems, toxicity of fungi. Food chain. Potential risks of contamination. Contaminants in food, sprays and cleaners. Food codex. Ethical	

dilemmas of the current state of the food economy. Nutrition. Basic indicators of food quality. Alternative ways of nutrition. Ethical dilemmas of the current state of crop and animal production. Genetically modified foods. Overproduction in crop and animal production. Ethical aspect of organic products. Microbiological risk of food. Ethical dilemmas of genetic manipulation of plants and animals. Ethical aspects of work physiology. Biorhythm, workload, rest. Types of work. Working environment. Hygiene requirements and health and safety measures. Ethical dilemmas of occupational hygiene. Profesiogram and its use in practice. Ethical aspects of urbanization. The importance of greenery as a zone of hygienic protection. Ethical dilemmas in transport, information technology and other socio-economic factors. Determinants of health. Methods of assessing the health status of the population. Act No. 272/1994 Coll. on the protection of human health. Therapeutic-preventive I. II. III. care – theory and practice. Lifestyle today from the point of view of ethics. Smoking and alcoholism – the impact on the body and society. Socially dependent communities. Specifics of lifestyle of selected groups of population. Ethical dilemmas and model scenarios – lifestyle, smoking, alcoholism, socially dependent communities, selected groups of population. Selected risk factors of lifestyle of children and youth. Hygiene of children and youth, evaluation of nutritional status. Ethical dilemmas and model scenarios – risk factors of lifestyle of children and youth.

Recommended literature:

KIMÁKOVÁ, T. a kol. Environment a jeho etické aspekty. Košice: UPJŠ v Košiciach, 2015.
 LONGAUER, F., PALAŠČÁK, J. a kol. Vybrané kapitoly pre semináre z lekárskej etiky. Košice: UPJŠ v Košiciach, 2003.
 ŠOLTÉS, L., PULLMAN, R. a kol. Vybrané kapitoly z medicínskej etiky. Martin: Osveta, 2008.
 PTÁČEK, R., BARTŮNEK, P. a kol. Etické problémy medicíny na prahu 21. století. Praha: Grada Publishing, a.s., 2014.

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 133

abs	n
95.49	4.51

Provides: prof. MVDr. Tatiana Kimáková, PhD., doc. MUDr. Silvia Farkašová Iannaccone, PhD., doc. Ing. Iveta Cimboláková, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková, PhD., MBA

Date of last modification: 22.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty:	
Course ID: USL/ BVE/14	Course name: Biomedical Research and Ethics
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course:	
Course level: N	
Prerequisites:	
Conditions for course completion: Attendance on lectures and seminars to the specified extent, successful presentation of seminar work.	
Learning outcomes: The aim of the subject is to acquaint students with ethical aspects of biomedical research and its history in accordance with relevant EU legislation and its implementation to national legislation, with special regard to animal experimentation, including primates, research involving human subject and its substitution with alternative methods. It offers an interdisciplinary view on new trends in medical research in the field of genomics and epigenomics and new ethical issues related to their implementation in human medicine.	
Brief outline of the course: Biomedical research. History of biomedical research. Roots of experimental medicine. Goals and types of biomedical research. WHO definition of health and disease, and their correct interpretation. Positive and negative view of society on doctors and other health care professionals, and on the system of health care. International declarations and legal norms regarding biomedical research in Slovakia and EU. Current state of biomedical research. Ethical dilemmas in biomedical research. Ethical aspects of animal experimentation – selection and number of animals, control groups, handling, interventions (non-invasive and invasive), 4R principle (reduction, refinement, replacement, responsibility) and animal welfare in the context of bioethics. Ethical dilemmas and model scenarios in animal experimentation. Setting up an experiment with the use of laboratory animals. Ethical aspects of experimental model. Management of experimental protocols. Health and disease in regard to genetics and genomics. Ethical aspects of gene manipulation, gene therapy, and cloning. Implementation of genomics and epigenetics in human medicine. Ethical dilemmas of gene therapy of selected types of diseases in the human population. Ethical aspects of the use of alternative methods, their verification and validity. New trends in biomedical research, their general overview, perspectives, ethical aspects. Ethics committees, their role and their right to control experiments. Ethics Committee of UPJŠ. Ethical Committee of UPJŠ LF. Code of Ethics of UPJŠ. Evaluation of the results of the experiment. Ethical dilemmas and model scenarios in the evaluation of the results of the experiment. Collection of empirical data and their use in medical practice. Choosing the right methods for data processing. Basic rules of statistics. Ethical aspects	

of the use of obtained data in research and in practice. Ethical dilemmas and model situations in medical statistics. Ethical aspects of publication. Extrapolation and significance for target objects. Plagiarism. Ethical aspects of relations with the media. Individual forms of presentation of results and practical advice in written and oral presentation. Index journals, citation index, impact factor. Simulation of writing of a scientific paper and a review article. Violation of ethical standards and principles. Conflict of interests. Sanctions for violation of ethical standards and principles.	
Recommended literature: CIMBOLÁKOVÁ, I. a kol. Výskum v medicíne a etika. Košice: UPJŠ v Košiciach, 2015. LONGAUER, F., PALAŠČÁK, J. a kol. Vybrané kapitoly pre semináre z lekárskej etiky. Košice: UPJŠ v Košiciach, 2003. ŠOLTÉS, L., PULLMAN, R. a kol. Vybrané kapitoly z medicínskej etiky. Martin: Osveta, 2008. PTÁČEK, R., BARTŮNEK, P. a kol. Etické problémy medicíny na prahu 21. století. Praha: Grada Publishing, a.s., 2014.	
Course language: Slovak	
Notes:	
Course assessment Total number of assessed students: 126	
abs	n
94.44	5.56
Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., doc. Ing. Iveta Cimboláková, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková, PhD., MBA	
Date of last modification: 22.07.2021	
Approved:	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty:	
Course ID: USL/ EAT/14	Course name: Ethical Aspects of Thanatology and Human Taphonomy
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course:	
Course level: N	
Prerequisites:	
Conditions for course completion: Attendance on lectures and seminars to the specified extent, successful presentation of seminar work.	
Learning outcomes: The aim of the subject is to acquaint students with ethical aspects related to the death of an individual, including examination of the dead body, autopsy, exhumation, mass disasters and identification. In regard to determination of brain death, the subject clarifies ethical principles in transplantology, as well as specific ethical and legal dilemmas of organ donation from a dead donor.	
Brief outline of the course: Ethics in the structure of science. Applied ethics. Bioethics and basic principles of medical ethics. The most important areas of medical ethics. Death and its definition. Partial death and brain death. Protocol on brain death. Thanatology and postmortem changes. Statement of death. Supravital reactions. Legal definition of death. Dead body from an ethical and legal point of view. Ethical dilemmas in the approach to death. Examination of the dead body and its significance from a medical, legal and ethical point of view. Medical examiner and his/her tasks. Procedure for the examination of the dead. Communication of the medical examiner with natural and legal persons (bereaved, physician, police, funeral service, media). Legal and ethical significance of the documentation to the examination of the dead body. Autopsy, its definition and meaning. Types of autopsies. Regulation and performance of autopsy from a legal point of view. Refusal of autopsy. Ethics of autopsy. External and internal examination of the dead body. The position of forensic doctor and pathologist in regard to autopsies. Working with archived autopsy reports. Ethical dilemmas in autopsy practice. Identification and its meaning. Identification of the living and the dead. Identification methods. Legal identification. DNA analysis and its significance for identification. Forensic anthropology. Exhumation, types of exhumation. Exhumation of legally and illegally buried corpses. Historical and ethical aspects of exhumation. The meaning of the so-called reautopsy. Ethical dilemmas of identification and exhumation. Mass disasters and their types. Medical, legal, social and ethical aspects of mass disasters. The role of forensic medicine in mass disasters. Ethical dilemmas in mass disasters. Euthanasia. Passive and active euthanasia. Assisted suicide. Legal regulation of euthanasia and assisted suicide in selected countries. Ethical and legal aspects of euthanasia. Collection of organs and tissues from the dead	

for additional examinations. Types of ancillary tests in forensic practice. Legal significance and ethical aspects of additional examinations with a focus on toxicological analysis. Methods of toxicological analysis. The importance of toxicological analysis from a criminal point of view. Histological examination of tissue and organ sections taken at autopsy. Importance of histological examination in the context of autopsies. Processing of collected biological material by histological techniques. Immunohistochemistry. Archiving of paraffin blocks and histological slides and their use for research purposes. Ethical dilemmas in toxicological analysis and histological examination. Serohematological examinations in forensic medicine. DNA analysis. Ethical aspects of sampling and preparation of samples for DNA examination. Human taphonomy and its significance. Taphonomic examinations of biological material – "body farm" Knoxville, USA. Transplantation. Collection of organs and tissues from a dead donor. Organ donor protocol. Legal and ethical position of the donor and recipient in transplantation. Ethical dilemmas in transplantology. Expert activity in forensic medicine and its importance. Expert opinion from the performed forensic autopsy (§ 156 of the Criminal Code) and forensic autopsy (§ 142 of the Criminal Code). Legal regulation of expert activity. Ethical requirements for expert. Ethics of expert activity. Psychological, legal and ethical aspects of deviations and crimes associated with dying, thanatology and human taphonomy: lethal sadism, defamation of the dead body, cannibalism, necrophilia.

Recommended literature:

BOBROV, N. a kol. Tanatológia a humánna tafonómia – etické a právne aspekty. Košice: UPJŠ v Košiciach, 2015.

LONGAUER, F., PALAŠČÁK, J. a kol. Vybrané kapitoly pre semináre z lekárskej etiky. Košice: UPJŠ v Košiciach, 2003.

ŠOLTĚS, L., PULLMAN, R. a kol. Vybrané kapitoly z medicínskej etiky. Martin: Osveta, 2008.

PTÁČEK, R., BARTŮNEK, P. a kol. Etické problémy medicíny na prahu 21. století. Praha: Grada Publishing, a.s., 2014.

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 125

abs	n
92.8	7.2

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková, PhD., MBA

Date of last modification: 22.07.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty:	
Course ID: USL/ EKM/14	Course name: Ethics and Communication in Medicine
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course:	
Course level: N	
Prerequisites:	
Conditions for course completion: Attendance on lectures and seminars to the specified extent, successful presentation of seminar work.	
Learning outcomes: The aim of the subject is to teach students an ethical approach in communication with selected groups of the population, in accordance with legal norms for a specific area of conversation. Characterized are the requirements for communication skills of a health care professional and the application of ethical approach in selected situations from practice. The subject also takes a closer look at the communication of professional in contact with legal authorities, and communication in expert activities.	
Brief outline of the course: Principles of biomedical ethics: harmlessness, beneficence, autonomy and justice. Definition and position of the patient. Health care professional – patient relationship. Human dignity, and fundamental human rights. Bioethical challenges in EU and Slovak legislation. Multiculturalism and global ethics. International codes and declarations medical ethics. Declaration of patients' rights. Hippocratic oath and its analysis. Code of ethics for healthcare professionals. Roles and importance of Slovak Medical Chamber and Health Care Surveillance Authority. Ethics committees. Medical profession, ranks virtues of a doctor. Ethics and communication in medicine in general. Communication skills in medicine. Burnout syndrome. Ethical dilemmas and model scenarios in communication between healthcare professionals and other professionals. Informed consent of the patient. Ethical aspects of informed consent of the patient. Confidentiality and obligation to report in health care. Rights of patients and hospitalized children. UNICEF Charter of Hospitalized Children. Ethics in pediatrics. Ethical aspects of communication with the child patient and his/her legal representative. Elderly patient. Terminal illness and stages of dying. Eschatology. Resuscitation. Futile treatment. Ethical issues in communication with selected groups – elderly patients, terminally ill and dying patients, relatives and bereaved. Ethical issues in communication with selected groups – person addicted to narcotic and psychotropic substances, person under the influence of these substances, aggressive patient, person suspected of committing a crime, victim of a crime. Ethical issues in communication with selected groups – VIP patient, patient who is a doctor or health care professional. Ethical problems in communication with selected groups	

– mentally handicapped patient, disabled person, patient of a national minority, patient with a language barrier. Communication versus racism. Ethical issues in communication with selected groups – organ donor, organ recipient. Ethics and communication in expert activities in cooperation with law enforcement agencies. Ethical and legal aspects of communication with the media, on Internet and social networks.

Recommended literature:

FARKAŠOVÁ IANNACCONE, S. a kol. Etické aspekty komunikácie v medicíne. Košice: UPJŠ v Košiciach, 2015.

BOBROV, N. a kol. Tanatológia a humánna tafonómia – etické a právne aspekty. Košice: UPJŠ v Košiciach, 2015.

PTÁČEK, R., BARTŮNEK, P. Etika a komunikace v medicíně. Praha: Grada Publishing, a.s., 2011.

LONGAUER, F., PALAŠČÁK, J. a kol. Vybrané kapitoly pre semináre z lekárskej etiky. Košice: UPJŠ v Košiciach, 2003.

ŠOLTÉS, L., PULLMAN, R. a kol. Vybrané kapitoly z medicínskej etiky. Martin: Osveta, 2008.

PTÁČEK, R., BARTŮNEK, P. a kol. Etické problémy medicíny na prahu 21. století. Praha: Grada Publishing, a.s., 2014.

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 120

abs	n
90.0	10.0

Provides: doc. MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Dorota Sopková, PhD., MBA, MUDr. Ingrid Nerantzakis

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