

Environmental Health

| Environmental Health | | | |
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| FACULTY | HEALTH SCIENCES | | |
| DEPARTMENT | NURSING | | |
| LEVEL OF STUDIES | UNDERGRADUATE | | |
| CODE COURSE | 0805.1.010.0 | SEMESTER OF STUDIES | 1st |
| TITLE COURSE | ENVIRONMENTAL HEALTH | | |
| SELF-ENDED TEACHING ACTIVITIES | | | |
| | | HOURS OF TEACHING / WEEK | CREDIT UNITS |
| Theory | | 2 | |
| Coaching school | | | |
| Laboratory | | | |
| Clinical exercise | | | |
| Total | | 2 | 3 |
| COURSE TYPE: | COMPULSORY | | |
| PREREQUISITE COURSES: | NO | | |
| LANGUAGE OF TEACHING and EXAMINATIONS: | Greek | | |
| THE COURSE IS OFFERED TO ERASMUS STUDENTS: | NO | | |
| COURSE website | https://eclass.hmu.gr/courses/NURS206/ | | |
| Learning results | | | |
| <p>The purpose of the course is to highlight all aspects of the natural and built environment that affect human health and promote healthy and safe communities.</p> <p>After completing the course students will be able to:</p> <ul style="list-style-type: none"> • distinguish all aspects of the natural and built environment that affect human health and promote healthy and safe communities. • recognize how specific factors in the local environment such as air pollution, noise, hazardous chemicals and water table contamination are sources of stressors that adversely affect human health. • recognize how climate change generally affects people's health, through rising temperatures, the greenhouse effect, and how it changes the distribution of vector-borne diseases. • correlate the effects of all of the above and their effects on their well-being communities | | | |

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| <ul style="list-style-type: none"> • understand and recognize the policies to curb the negative effects of the organized state, at national and European level. | |
| General Skills | |
| Search, analyze and synthesize data and information, using the necessary technologies, Adapting to new situations, Decision making, Freelance work, Teamwork, Working in an international environment, Working in an interdisciplinary environment, Generating new research ideas, Project planning and management, Respect for the natural environment, Promotion of free, creative and inductive thinking | |
| Course content - Theory outline | |
| 1 st week | Introduction to Environmental and Health Sciences |
| 2 nd week | Genes and environment |
| 3 rd week | Climate change and its effects on human health and well-being |
| 4 th week | Assessment of human exposure to chemical agents |
| 5 th week | Air quality and health effects |
| 6 th week | Quality, pollution and management of water resources |
| 7 th week | Dietary health effects and epidemiology |
| 8 th week | Epidemics and pandemics |
| 9 th week | Health and safety at home |
| 10 th week | Biological agents in the workplace |
| 11 th week | Environmental health and legislation |
| 12 th week | Medical demographics (collection of demographics, gender, structure of population) and association with health stressors |
| 13 th week | Presentation of assignments – Power Point |
| TEACHING and LEARNING METHODS – ASSESSMENT | |
| TEACHING METHOD | 1) Traditional lectures using power-point software. 2) Video conference 3) Discussion with the students about their own questions |
| USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES | Electronic slide show. View video in digital format. Use of the e-class electronic platform to store presentations in digital format for easy access by students. Simultaneously with the use of the same platform, frequent communication with students for actions related to the educational process. |
| TEACHING ORGANIZATION | Activity Semester Workload 90 Lectures (total 13x2) Course Total (13x2)=26 |
| STUDENT EVALUATION | Theoretical part of the course 30% from optional work in a related subject. 70% from a written final exam. |
| RECOMMENDED BIBLIOGRAPHY (into Greek language) | |

- Δ. Μελάς, (2000). Κλιματική Αλλαγή- Οδηγός Εκπαιδευτικού. Υπουργείο Παιδείας Δια Βίου Μάθησης και Θρησκευμάτων.
- M. Hull, D. Bowman, Nanotechnology Environmental Health and Safety: Risks, Regulation, and Management, Elsevier Science Publishing Co Inc, 2018, eBook ISBN: 9780128135891.
- Ramesha Chandrappa, Diganta Bhusan Das, Environmental Health - Theory and Practice, Volume 2: Coping with Environmental Health, Springer Nature Switzerland AG 2021, DOI <https://doi.org/10.1007/978-3-030-64484-0>.
- F. Sharon and N. Krieger, Climate change and the people's health, Oxford Scholarship Online, 2019, DOI:10.1093/oso/9780190492731.001.0001.
- Y. H. Hendlin, J. Hope, Food and Medicine, Springer International Publishing, 2021, DOI:10.1007/978-3-030-67115-0.
- C. Chakraborty, S. Roy, S. Sharma, T. A. Tran, The Impact of the COVID-19 Pandemic on Green Societies, Springer, Cham, 2021, DOI: <https://doi.org/10.1007/978-3-030-66490-9>.
- N. Dobrinkova, G. Gadzhev, Environmental Protection and Disaster Risks, Springer, Cham, 2021, DOI: <https://doi.org/10.1007/978-3-030-70190-1>.
- S. P. Singh, K. Rathinam, T. Gupta, A. Kumar Agarwal, Pollution Control Technologies, Springer, Singapore, 2021, <https://doi.org/10.1007/978-981-16-0858-2>.