

REQUIREMENTS	
Full name of the subject: Fenntarthatóság az egészségügyben	
Program: program neve	
Schedule: full-time	
Short name of the subject: SHC	
English name of the subject: Sustainability in Healthcare	
German name of the subject: Nachhaltigkeit im Gesundheitswesen	
Neptun code of the subject (tárgykód):	
Type of registration (mandatory/elective): elective	
Responsible department: Semmelweis University, Health Services Management Training Centre	
Responsible tutor: Miklós Szócska, MD Contact information: Faculty of Health- and Public Administration email: szocska.miklos@emk.semmelweis.hu	Title, academic degree: dean, professor
Name of the persons responsible for the teaching of the subject: Nora Boussoussou MD PhD, Gabriella Sódar, Melinda Boussoussou MD	Title, academic degree: -
Classes per week: 1 lecture(s) 1 practice(s)	Credit point(s): 2
Professional content, intent of acquirement and its function in order to implement the goals of the program: One of the biggest health challenges of the 21st century is the ecological crisis that escalated in this period (Anthropocene age). Sustainability is based on addressing the (health) challenges of the present in a way that does not limit future generations in satisfying their own needs. The training prepares future health professionals that sustainable health care can only be reached with harmonious co-operation management of social, economic and environmental systems, to the mutual benefit of all areas. The aim of the course is not only to present the theoretical background, but to present the relevant, existing and numerous new good practices - technological and social - and to adapt it to the domestic environment. The course amends the general medicine curriculum training objectives with the sustainable healthcare acquaintance and understanding on the following points: The medical doctor <ul style="list-style-type: none"> - is acquainted with the relationship between diseases and the relationship between patients and society, as well as health hazards. - is acquainted with the scientific basis of health protection, health promotion and health restoration of people and society. - is acquainted with the IT systems used in modern health care, research and knowledge acquisition at the user level. - is acquainted with the theoretical and practical basis of (primary, secondary and tertiary) prevention, as well as the principles of health screening tests, and the methods and structure of their practical implementation. - is acquainted with the structure and function of the health care and insurance systems, the structure of the health care system, as well as the operational and economic basics of health care. possesses the following competencies <ul style="list-style-type: none"> - the ability to assess patient mental status, make clinical evaluation reports and reach decisions. - the ability to evaluate the applied therapy, as well as weigh its potential benefits and risks. The course amends the dentistry programme curriculum training objectives with the sustainable healthcare acquaintance and understanding on the following points: <i>The dentist</i> <ul style="list-style-type: none"> - considers the development of the theory and practice of the dental profession important, and is committed to the continuous improvement of the quality of oral health services and dental care. - is receptive to a deeper understanding of the scientifically proven factual information of the dental profession, to the acquisition of new knowledge related to their field, is committed to its practical application, is motivated to synthesize new knowledge and personal experience and is characterized by its careful application. - knows the requirements, conditions, legal, ethical and economic aspects of the establishment and operation of a dental practice. The course amends the pharmacist medicine curriculum training objectives with the sustainable healthcare acquaintance and understanding on the following points:	

The pharmacist

- knows the general principles and practices of prevention, education for a healthy lifestyle and public health.
- knows the practice of pharmacist care, drug information, disease prevention and health education.
- is able to engage in drug research, drug development and innovation, to work in research and teaching positions of higher education institutions.
- is able to organize rational drug management.

Short description of the subject:

The aim of the course is to develop the basic health sustainability literacy of students, to catalyse the transition of the sustainability paradigm of the health system, through providing suitably qualified health experts; and to implement existing innovations, while encouraging further research and development.

Course data

Recommen- ded term	Contact hours (lecture)	Contact hours (practice)	Contact hours (seminar)	Individual lectures	Total number of contact hours/semes- ter	Normal course offer	Consultations
	12	12			24	Autumn semester* <u>Spring semester*</u> Both semesters* (* Please underline)	

Program of semester**Topics of theoretical classes (pro week):**

Education modules:

Introduction to sustainability in healthcare topic – course review, basic concepts

Environment module:

- Planetary health
- Invasion biology
- Environmental impacts of healthcare
- Health implications of climate change
- Cardiometeorology SM

Societal module:

- Eco-ethical responsibility in healthcare
- Sustainable lifestyle and preventive risk management
- Mediation for sustainable healthcare- environmental negotiation

Economy and skill module:

- Data-driven solutions and sustainability
- Sustainable healthcare models, good practice and innovation
- Sustainable medical practice - green and safe
- Sustainable health skill practice, latest findings

Topics of practical classes (pro week):

Same as above

Schedule of consultations:**Course requirements**

Prerequisites: -

Conditions of attending the classes, amount of acceptable absents, way of presentation of leave, opportunity for makeup: min. requirement is 75% presence

Number, topics and dates of tests during the semester, opportunities of makeup and improvement of results: -
Requirements of signature: 1 group case, class activity
Number and type of projects students have to perform independently during the semester and their deadlines: Assignments, case studies on actual topics
Type of the semester-end examination: <u>signature</u> /practical grade/semi-final/final
Form of the semester-end examination: -
Prescribed practices outside of the university: -
Scientific, course related researches, publications, essays: Possibility for TDK, PhD, thesis, trainee positions on the thematic field for interested students
Necessary equipment: - Literature: <ul style="list-style-type: none"> - Hand outs - Boussoussou N et al. Complex effects of atmospheric parameters on acute cardiovascular diseases and major cardiovascular risk factors: data from the CardiometeorologySM study. Sci Rep Nature, 2019 Apr 23;9(1):6358. - Transforming our world: the 2030 agenda for sustainable development. United Nations, 2015. - WHO 2020 Guidance for Climate Resilient and Environmentally Sustainable Health Care Facilities document. WHO, 2020. - The Lancet commission on planetary health Safeguarding human health in the Anthropocene epoch: report of the Rockefeller Foundation. Lancet, 2015. - The Intergovernmental Panel on Climate Change reports.
The course description was prepared by: Nora Boussoussou MD, PhD and Gabriella Sodar