



GLOBAL HEALTH

STAG code – MRS/GGH or MRS/EHV

Language of instruction: English

Capacity: 25-30 students

ETCs: 3

Block teaching

- **17-18/02/2026, Olomouc, Faculty of Natural Sciences, 9:00-17:00, room 6014**
- **13/03/2026 – 9:00 – 13:00, Olomouc, Faculty of Natural Sciences, room 6014**
- **16-17/04/2026, Olomouc, Faculty of Natural Sciences, 9:00-17:00, second day likely shorter, depends on number of participants – room 6014**

The aim of this course is to offer students an insight into the issue of global health. Gain new knowledge, understand the context and principles in the field of public health in the light of the events of recent years – whether it is epidemics, climate change, inequalities, social media or migration. Instead of focusing on a single geographic area (e.g. Africa), determinant of health (e.g. poverty) or health problem (e.g. obesity), the course will focus on a comprehensive assessment of the interconnected systems of global health and the determinants of health. At the beginning, we will get acquainted with the whole concept and clarify the terms and differences, followed by specific topics and their placement in context.

Teaching will consist of lectures by teachers, interactive student work and self-study.

Gabriel Guliš has been working at the University of Southern Denmark since 2002, where he works at the Institute of Public Health. He teaches both bachelor's and master's degrees in global and public health. His main professional interests include the assessment of health impacts on a local and global scale, health determinants and the public health system. However, he is originally a chemist who worked in Slovakia in the field of nuclear energy research. He has experience from working in many international projects and world organizations.

Time schedule

- **Opening meeting**
 - **17/02/2026**
 - 9:00-10:00 – **Health, development and environment** – lecture
 - 10:00-10:15 - Break
 - 10:15–11:00 – Practical work with data on global health – PC needed individually or in small group of 2-3 students
 - 11:00-12:00 **Global health** - lecture
 - 12:00-13:00 Lunch break
 - 13:00–14:30 **Global Burden of Disease** – method, data and interpretation - lecture
 - 14:30-14:45 Break
 - 14:45-15:30 Work with GBD data at <https://vizhub.healthdata.org/gbd-compare/>
 - 15:30-17:00 **Epidemiological transformation** - lecture
 - **18/02/2026**
 - 9:00-10:00 **Surveillance and environmental tracking – how do we get data?** - lecture
 - 10:00-10:15 Break
 - 10:15–11:00 Work with data from ECDC – PC needed individually or in small group of 2-3 students
 - 11:00-12:00 **Epidemics and pandemics** - lecture
 - 12:00-13:00 Lunch break
 - 13:00–14:30 **Global environmental change – climate change and health** - lecture
 - 14:30-14:45 Break
 - 14:45-15:30 Work with data from OECD
 - 15:30-17:00 **Planetary health** -lecture
- **Second meeting**
 - **13/03/2026**
 - 9:00-10:00 **Global health institutions** - lecture
 - 10:00-10:15 Break
 - 10:15–11:15 Review of WHO databases and work with data - PC needed individually or in small group of 2-3 students
 - 11:15-12:30 **Major global health risks by WHO** - lecture
- **Third meeting**
 - **16/04/2026**
 - 9:00 – 10:00 **Emergency preparedness** – lecture
 - 10:00 – 10:30 **Ethical principles of work in global health** – lecture and discussion
 - 10:30 – 10:45 Break
 - 10:45 – 12:00 Work with data from Global emergency situations database – PC needed individually or in small group of 2-3 students
 - 12:00 – 13:00 Lunch break
 - 13:00 – 13:45 **Inequalities, migration and global health** - lecture
 - 13:45 – 14:30 **Global health policy** - lecture

- 14:30 – 14:45 Break
- 14:45 - 17:00 Practical work with SDG data + preparation of final exam presentation
- **17/04/2026 – Final exam – global health seminar**
 - 9:00 – 14:30 – Student presentations
 - 14:30- 15:00 – Final evaluation

Final exam

Credit will be awarded on the basis of a short presentation in pairs of students during the final seminar. Students should be present throughout the seminar to allow for mutual discussion. Each pair will have 12 minutes to present their work and 3 minutes will be for discussion. The presented work should contain information about:

1. A basic description of the selected disease occurrence, symptom or health determinant
2. Justification of why a given disease (symptom, determinant) is a global problem,
3. An analysis of what leads to the problem and an indication of how the problem can be solved.
4. An indication of an institution that shall lead activities leading to solve the problem (disease, symptom, determinant).

Recommended readings

Raviglione MCB, Villa FTS, Casamitjana N, Plasència A: Global Health Essentials, Springer Nature Switzerland, 2024, dostupné na <https://link.springer.com/book/10.1007/978-3-031-33851-9>, last visited 27/11/2025, especially chapters 2, 3, 4, 5, 34, 35, 36, 37, 38, 62, 77

https://health.ec.europa.eu/internationalcooperation/global-health_en

<https://www.project-syndicate.org/commentary/global-health-set-back-by-recent-shocks-calls-for-investment-new-partnerships-by-werner-hoyer-and-tedros-adhanom-ghebreyesus-2022-11>

<https://www.indexprosperity.cz/en/>

<https://www.planetaryhealthalliance.org/planetary-health>

https://books.google.dk/books/about/Global_Health.html?id=QUdHyfnYIHgC&redir_esc=y

Lectures and databases presented during the course