Global Health Indonesia

Code:
M_BGHI19

Type:
Optional

Period:
Semester 1

Credits:
24.0

Language of instruction:
English

Faculty:
VUmc School of Medical Sciences

Coördinator:
Mrs. dr. M. van Elteren

Examinator:
Mrs. dr. M. van Elteren

Mode of delivery:
Face-to-face

Learning activities and teaching methods:
Interactive lectures, Tutorials

Level:
300

Target audience
Bachelor’s students of VUmc School of Medical Sciences.

Course content
This minor builds on recent developments and practices within the fields of Global Health, the healthcare system in Indonesia and research and places these in a broader perspective (e.g. psychological, societal, managerial, political and economic).

In this minor, students acquire knowledge and experience in research and practices in developing countries (low and middle-income countries) with regard to health care and culture. They will also obtain insight into the practice of health care in Indonesia from Health Centre to hospital and outpatient clinic. The students will obtain a strong focus on health issues in community life outside of the hospital and prevention.

The minor consists of two parts:
1. Global Health program in the Netherlands: two months (September- October), 12 ECTS
2. A research and educational program in Indonesia in collaboration with the Gadjah Mada University in Yogyakarta (Universitas Gadjah Mada, UGM) two months (November - December), 12 ECTS

The Global Health program in the Netherlands offers a broad spectrum of topics from a global perspective. The program focuses on low- and middle-income countries with a high burden of disease where people live in resource-poor settings, with weak health systems. This demands for specific strategies to prevent illness and effectively deal with problems like child diseases, malnutrition and safe motherhood. Next to this, students prepare a research proposal for the program in Indonesia.
The topics which can be chosen from for the research are for instance: Water and sanitation (WASH); TBC/HIV; Mother and Child care; Life style (prevention); Tropical diseases; Dermatology. After this two-month program in the Netherlands, students participate in a two-month program in Indonesia. The Indonesia program consists of roughly one month in Yogyakarta and one month in the field. The program in Yogyakarta will cover lectures, case studies, ward observation visits in hospital, and outpatient clinic visits. Furthermore, the students carry out a qualitative research in one of the demand-driven topics. In this way, students will obtain a better insight into the everyday world of patients in low- and middle-income countries.

Content Global Health program in the Netherlands

The Global Health program offers lectures from researchers and global health practitioners from different scientific backgrounds like clinical, public health, epidemiology, social sciences, environmental, medical anthropology and biomedical sciences. The lectures cover global health in view of the United Nations Sustainable Development Goals (SDGs), notably: Health (SDG 3), Gender equality and women’s empowerment (SDG5), Water and Sanitation (SDG 6) and Sustainable consumption and production (SDG 12). Topics covered are amongst others: Health systems, Blindness, Malaria, Tuberculosis, Leprosy, Child diseases, Gender and health, Nutrition, Sexually Transmitted Diseases, HIV and AIDS, Safe motherhood, Mental health, Disability, Female genital mutilation, Water and sanitation, Tropical medicine, Neglected diseases, Essential surgical care, Environment and health, Access to medicine and Female cancer, Childhood cancer, and Corruption and hospital detention practices. In the lectures interactive case studies are presented. These will give students a better understanding of the interaction between theory and practice in a global health context.

Next to the lectures, in 7 tutorials, the knowledge on qualitative research methods will be deepened. The focus of the tutorials is on qualitative research methods for instance photo voice and lifelines. During the tutorials, the students write a research proposal. For the participants in the Global Health Indonesia minor, predefined topics as mentioned above are available based on demands from participating community health centers (Pusat Kesehatan Masyarakat - Puskesmas), in consultation with UGM.

The students may combine different qualitative research approaches (as mentioned above) in their proposal. Students will make use of scientific publications to formulate a research question and afterwards will present their work orally and in writing. In this way the students practice interdisciplinary methods to obtain a better view on global health problems.

Finally, a basic language course Bahasa Indonesia is integrated in the program.

Content program in Indonesia

Right after the completion of the Global Health program in the Netherlands, students travel to Indonesia. The program consists of 8 weeks of activities including lectures, case studies and hospital visits where students will observe patients during the ward rounds. Note: Students are not allowed to perform any clinical procedures. Furthermore, the student will execute a research assignment.
The lectures and case studies provide knowledge and information about internal medicine, pediatric, and obstetrics & gynecology in relation with tropical medicine and infectious diseases as the main problem in Indonesia, including the epidemiology, diagnosis, and management. Aside from the infectious diseases, non-communicable diseases in the context of developing countries are covered. During the ward and community health center visits, students observe the Indonesian health system in practice and the basic concepts of community medicine.

As indicated above, for the research assignment the research proposals are already written in The Netherlands during the Global Health program. Students will visit a Puskesmas, to obtain basic knowledge of the health system. Furthermore, they travel to the communities surrounding the Puskesmas as part of the field work, to conduct interviews. In this way students execute a research project and implement it as a group working with district health management teams. In the field, students will work together with Indonesian and foreign students.

**Learning outcomes**

Learning objectives Global Health program include the following:

1. The student can identify the influence of urbanization, climate change, ageing, reduced poverty, increased mobility and migration, emerging patterns of diseases and new technologies on health and healthcare in different parts of the world. Student is able to apply this knowledge in case studies in low-, middle income countries and emerging economies.
2. The student can discuss and explain issues related on interventions on child diseases maternal and female health.
3. The student can describe and discuss the sustainable development goals related to health; issues on communicable and non-communicable diseases related (Global burden of disease) to international policy and practice in response to the global changes. Can discuss the presence of different health systems and water systems for a health population
4. The student can discuss and explain the presence and difference in health systems, water systems and environment for a healthy population.
5. The student knows how and when to apply the qualitative research method, can apply several qualitative research methods and can analyze qualitative data.
6. The student is able to develop and present a qualitative research proposal that meets the criteria of scientific research; is able to formulate a research question based on literature and can critically analyze publications.
7. The student has a Basic understanding of Bahasa Indonesia.

Learning Objectives for the 8-week program in Indonesia include:

1. Student is able to execute a scientific research based on a research proposal previously written
2. Student is able to present research results (poster and presentation research outcomes)
3. Student observes medical practice in a hospital in Indonesia (Internal Medicine, Mental Health, Obstetrics & Gynecology, Pediatrics, Pulmonology & Respiratory Medicine, Community Medicine)
4. Student can discuss and explain current health issues in Indonesia (Health system in Indonesia from the community to district level facilities, global health perspective, internal medicine, mental health, Obstetrics & Gynecology, Pediatrics, Pulmonology & Respiratory Medicine, Community Medicine)

**Assessment methods and criteria**

The assessment consists of separate gradings for the Netherlands and Indonesia programs.
Global Health program in the Netherlands
Tests 1 and 2 are assessed with pass or fail.
The CAT for the two months Global Health program in the Netherlands consists of two separate assessments:
- Test 1 - Tutorial assignment, consisting of:
  - Test 1a. - Writing assignment 'qualitative research proposal'.
  - Test 1b. - Oral presentation of the proposal.
- Test 2. - Written exam with open questions.
The grade for each of these two tests should be 5.5 or higher for pass.
The final assessment for these two months consists of the rounded off mean of the two separate grades for assignment + presentation on the one hand and exam on the other.
Final mark of the Global Health program NL must be 5.50 or higher (pass).
If necessary, a resit for the written exam will be planned in January 2021, after the students return from Indonesia.
Important: Please mind that in case students do not pass the exam, students will not be automatically registered for a re-examination. In order to sign up for a re-sit, students will need to send an email to studentbalie@vumc.nl. Make sure to do this before the final registration date (which is two weeks before the re-examination).

Indonesia program
The assessment for the two-month Indonesia program consist of 3 elements:
- UGM Summer course group - poster assignment
  - Graded pass / fail- grading is done by UGM staff.
- Health System Assignment, a paper consisting of two parts:
  - Part 1 - Patient interview in local health centre
  - Part 2 - Patient interview in hospital / outpatient clinic.
  This paper will be graded by VUmc. Minimum grade is 5.5 (passed) This paper represents 30 percent of the of the total grade of the Indonesia Program.
- The VUmc research report. Grading elements are:
  - Research process / practical work 30% - grading by UGM;
  - Research report 50% - grading by VUmc;
  - Research presentation 20% - grading by VUmc (pending on availability VUmc staff to travel in December);
  Minimum grade is 5.5 (passed).

The VUmc Research will be 70 percent of the of the total grade of the Indonesia Program.
The overall grade for the Indonesia Program should be 5.50 as a minimum for pass.

Assessment total
Minor Minor Global Health Indonesia 2020
- Global Health constitutes 1/2 of the final assessment of the Minor.
- Global Health Indonesia program score will be 1/2 of the assessment.
De Minor GHI is passed with an overall grade of 5.5 or higher (pass).
The minor has been passed provided that a pass has been given for all tests.
Literature
An overview of the study material for the Global Health program in the Netherlands will be placed on CANVAS. For the Indonesia program the literature will be provided in collaboration with UGM.

Recommended or required reading and other learning resources/tools
This minor is supported by CANVAS, which contains all of the required information of this minor including an overview of the required articles and assignments. The CANVAS course will also be used to post announcements relevant to the program. Students will automatically have access to the CANVAS course.

Prerequisites
Target group for this Minor Global Health Indonesia are 3rd year Bachelor’s students from VUmc.

Additional information
Number of students
A limited number of students (24) can be placed in the Minor Global Health Indonesia 2020. The application procedure for this minor is selective and selection will be based on an assignment, motivation and grades.

Practical information
When selected, the costs of the tuition fee at UGM will be covered by VUmc, but flight tickets, accommodation, insurance and living costs will be at the student’s own expense. Students will also be asked for a financial contribution to the Bahasa Indonesia language course (this language course will be partly sponsored by VUmc/IOO).