

# JIT Health

Joint Initiative for Teaching and Learning on Global Health Challenges and One Health



## Course: Global Health Challenges and One Health

**Workload: 90 hours**

**Weeks: 9 (29/04/2021 – 01/07/2021)**

**Workload per week: 10 hours (2 hours for module content + 3 hours for self-study + 5 hours for project preparation)**

**Platform: <https://cih-moodle.med.lmu.de/>**

### Learning objectives:

At the end of the course, the student should be able to:

- Understand the importance of collaborative skills in interprofessional action in One Health;
- Describe the role of each professional in the One Health teams;
- Define the importance of One Health in addressing communicable and non-communicable diseases;
- Recognize aspects of human, animal, and environmental interconnection in One Health;
- Describe the importance of universal health coverage, health surveillance services, and the International Health Regulations in the application of One Health in public health policies;
- Recognize the bioethical aspects in One Health and its paradigms;
- Apply the principles of One Health in projects that address specific situations;
- Experience multicultural learning and working in a diverse team of students from different backgrounds.



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**Kolegji AAB**  
CILËSI. LIDERSHIP. SUKSESI

## Modules Content

<b>Module 1) Course Introduction and Overview</b>	
Course presentation	Coordinators
Get together and group organization	Fabian Jacobs (LMU)
Global advances in One Health	Christina Pettan-Brewer (UW)
Intercultural competence and communication	Kajal Chhaganlal (UCM)
<b>Module 2) Interprofessional and Collaborative Practice in One Health</b>	
Interprofessional practice and education	Martin Fischer (LMU)
Professional roles in the One Health team	Juan Beunza (UEM)
<ul style="list-style-type: none"> <li>- The biologist's role in the One Health team</li> <li>- The veterinarian's role in the One Health team</li> <li>- The nutritionist's role in the One Health team</li> <li>- The epidemiologist's role in the One Health team</li> <li>- The physician's role in the One Health team</li> <li>- The dentist's role in the One Health team</li> <li>- The pharmacist's role in the One Health team</li> <li>- The nurse's role in the One Health team</li> </ul>	Blima Fux (UFES) Bruno Redigueri (UFES) Camila Borges (USP) Rachel Vicente (UFES) Crispim Cerutti Junior (UFES) Raquel Baroni de Carvalho (UFES) Rita de Cássia Ribeiro (UFES) Luisa Schels (LMU)
- Teamwork in One Health - UF experience	Ilaria Capua (UF)
<b>Module 3) One Health</b>	
Communicable diseases and One Health	Sonia Raboni (UFPR)
Non-communicable diseases and One Health	Don Eliseo Lucero-Prisno III (Global Health Focus)
Human aspects in One Health	Rachel Vicente (UFES)



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Animal aspects in One Health	Christina Pettan-Brewer (UW)
Environment and ecological aspects in One Health	Jutta Weitz (Students for Future)
<b>One Health experiences</b> <ul style="list-style-type: none"> <li>- One Health approach for coronaviruses</li> <li>- One Health approach during re-emergence of yellow fever in Southeast Brazil</li> <li>- Antimicrobial resistance</li> <li>- Investigating malaria using the One Health approach</li> <li>- Natural disasters and implantation mycosis</li> <li>- Investigating Hansen's disease using One Health approach</li> <li>- Food security, gender, and One Health approach</li> <li>- Investigating the health impact of air pollution using the One Health approach</li> </ul>	<p>Linfa Wang (Duke -NUS)</p> <p>Cecília Kierulff / Andresa Guimarães (INMA)</p> <p>Kênia Valéria Santos (UFES)</p> <p>Crispim Cerutti Junior (UFES)</p> <p>Flávio de Queiroz Telles Filho (UFPR)</p> <p>Patrícia Daps (UFES)</p> <p>Brigitte Bagnol (University of the Witwatersrand)</p> <p>Paulo Saldiva (USP)</p>
<b>Exercises</b> Journal club based on criteria presented in the paper "Checklist for One Health Epidemiological Reporting of Evidence (COHERE)" - asynchronous (preparation) and synchronous (discussion)	
<b>Module 4) Healthcare, Surveillance, and One Health</b>	
Universal Health Coverage	Fatime Arënliu Qosaj (KAAB)
Surveillance and information systems	Luana Fiengo Tanaka (TUM)
International Health Regulations	Dale Fisher (NUS)



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Risk communication	Sybille Rehmet (ECDC)
Implementation of healthcare in Kosovo	Fatime Arënliu Qosaj (KAAB)
<b>Discussion:</b> HPV vaccination in Rwanda (Forum)	
<b>Exercises</b> <ol style="list-style-type: none"> <li>1) Risk communication (Sybille) - asynchronous</li> <li>2) Risk communication (Sybille) - asynchronous</li> <li>3) Risk communication (Sybille) - asynchronous</li> <li>4) Risk communication in the COVID-19 epidemic (analyses of speeches) - asynchronous (preparation) and synchronous (discussion)</li> <li>5) International health surveillance systems (Official surveillance: GOARN, Internet-based surveillance: Argus, BioCaster, GPHIN, HealthMap, MedISys, ProMED-mail) - asynchronous</li> </ol>	
<b>Module 5) Bioethics in One Health</b>	
The bioethical paradigm in One Health	Sara Agnelli (UF)
Animal suffering and wellbeing: beyond the anthropocentric approach	Jan Stratil (LMU)
Bioethical aspects considering humans	Ida Gubert (UFPR)
Bioethical aspects considering animals	Olga Munoz (UF)
Bioethical aspects considering the environment	Sônia Flores Rodrigues (IFES)
Bioethics in One Health: A case study <ul style="list-style-type: none"> <li>- Antimicrobial misuse</li> <li>- Impacts on flora and fauna in natural disasters</li> <li>- Ethical issues during Ebola crisis response in Africa</li> <li>- The Good Food Institute's experience</li> <li>- Ethical issues for research involving refugees</li> </ul>	Cláudia Turra Pimpão (PUC-PR) Laiza Bonela (CFMV) Guenter Froeschl (LMU) Gustavo R. Guadagnini (GFI-ORG) Patrícia Duarte Deps (UFES)



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<b>Debate (Joint activity with Module 4) - synchronous</b> <i>"Should mandatory vaccination against SARS-Cov-2 be implemented?"</i>	
<b>Module 6) Career in Global Health</b>	
Career opportunities in Global Health	Viveka Guzmán (GHNGN)
The insertion of women in the Global Health labor market	Marta Passadouro (WGH)



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## Course Agenda

Date	Time (Brazil)	Time (Germany/Mozambique/Kosovo)	Module
<b>29/04/2021</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>I</b>
06/05/2021	Asynchronous	Asynchronous	II
<b>13/05/2021</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>II</b>
20/05/2020	Asynchronous	Asynchronous	III
<b>27/05/2021</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>III</b>
10/06/2021	Asynchronous	Asynchronous	IV
<b>17/06/2021</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>IV</b>
<b>24/06/2021</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>V</b>
<b>01/07/2021</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Project presentation</b>



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