

# JIT Health

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



**Kolegji AAB**  
CILËSI. LIDERSHIP. SUKSESI

## Course: Global Health Challenges and One Health

**Workload: 90 hours**

**Weeks: 10 (26/04/2022 - 28/06/2022)**

**Workload per week: 9 hours (2 hours for module content + 2 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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## Modules Content

Module 1) Course Introduction and Overview	
Course presentation	Coordinators
Get together and group organization	Fabian Jacobs (LMU)
Intercultural competence and communication	Kajal Chhaganlal (UCM)
Global advances in One Health*	Christina Pettan-Brewer (UW)
<b>Exercise:</b> Stereotypes and prejudices - synchronous	
<b>Joint Project:</b> Introduction to the health issue - asynchronous	



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Module 2) Interprofessional and Collaborative Practice in One Health	
Interprofessional practice and education*	Martin Fischer (LMU)
Professional roles in the One Health team* <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>	Juan Beunza (UEM) 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>Exercise:</b> The role and contributions of health professions to the One Health team - synchronous	
<b>Joint Project:</b> Teamwork in One Health to respond to the health issue - asynchronous	



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<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)
Animal aspects in One Health*	Christina Pettan-Brewer (UW)
Environment and ecological aspects in One Health*	Jutta Weitz (Students for Future)
<p>One Health experiences</p> <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 Kierullf / 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 Deps (UFES)</p> <p>Brigitte Bagnol (UW)</p> <p>Paulo Saldiva (USP)</p>
<p><b>Exercises:</b></p> <p>Journal club - asynchronous (preparation) and synchronous (discussion)</p> <p>Case study - asynchronous (preparation) and synchronous (discussion)</p>	
<p><b>Joint Project:</b></p> <p>Applying the One Health approach to respond to the health issue - asynchronous</p>	



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<b>Module 4) Healthcare, Surveillance, and One Health</b>	
Implementation of healthcare in Kosovo*	Fatime Arënlju Qosaj (KAAB)
Universal Health Coverage and One Health*	Ama Fenny (UG)
Health policy and One Health*	John Amuasi (KCCRTM)
Surveillance and information systems*	Luana Fiengo Tanaka (TUM)
International Health Regulations*	Dale Fisher (NUS)
Risk communication*	Sybille Rehmet (ECDC)
<b>Discussion:</b> HPV vaccination in Rwanda (Forum)	
<b>Exercises:</b> 1) Risk communication (Sybille) - asynchronous 2) Risk communication (Sybille) - asynchronous 3) Risk communication (Sybille) - asynchronous 4) Risk communication in the COVID-19 epidemic (analyses of speeches) - asynchronous (preparation) and synchronous (discussion) 5) International health surveillance systems (Official surveillance: GOARN, Internet-based surveillance: Argus, BioCaster, GPHIN, HealthMap, MediSys, ProMED-mail) - asynchronous	
<b>Joint Project:</b> Considering health policy to respond to the health issue - asynchronous	



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<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 (UFES)
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)
<b>Debate (Joint activity with Module 4) - synchronous:</b> "Discussing the International Health Regulations"	
<b>Joint Project:</b> Considering bioethical aspects to respond to the health issue - asynchronous	



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## Module 6) Career in Global Health

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)	Activities
<b>26/04/2022</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Module I</b>
03/05/2022	01:00 pm	06:00 pm	Joint Project Information
<b>10/05/2022</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Module II</b>
17/05/2022	01:00 pm	06:00 pm	Group meeting - Project
<b>24/05/2022</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Module III</b>
31/05/2022	01:00 pm	06:00 pm	Group meeting - Project
<b>07/06/2022</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Module IV</b>
14/06/2022	01:00 pm	06:00 pm	Group meeting - Project
<b>21/06/2022</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Module V</b>
<b>28/06/2022</b>	<b>01:00 pm</b>	<b>06:00 pm</b>	<b>Project presentation</b>

\*Videos available on Moodle: <https://cih-moodle.med.lmu.de/>



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