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One Health: Connecting Humans, Animals and the Environment

[4.7 \(25 reviews\)](#)

Become familiar with One Health, a promising concept, and the effective solutions it provides for urgent health problems.

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9.985 enrolled on this course

Educators are currently [active](#) on this course



-

Duration

6 weeks

-

-

Weekly study

5 hours

-

-

100% online

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Extra Benefits

From €79 [Find out more](#)



One Health: Connecting Humans, Animals and the Environment

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Expand how you address health issues, learning from top One Health experts.

In today's globalised world, old diseases persist and new illnesses spread faster than ever thanks to interconnected ecosystems and the close ties between humans and animals. Stressing this interrelatedness, One Health calls for closer cooperation between human and animal health. This course explores how One Health works in practice, bringing together different scientific perspectives. You will, for instance, study vaccination coverage data and discuss food safety enhancement. You learn how to calculate the added value resulting from the One Health approach using case studies.

Download video: [standard](#) or [HD](#)

What topics will you cover?

- Advantages of a closer cooperation between human and animal health
- Transdisciplinary processes that can solve an everyday One Health problem
- Shortfalls resulting from poor communication between human doctors and veterinarians
- Social-ecological perspectives for the improvement of human and animal well-being
- Fundamental principles of cross-sector human and animal health economics
- Environmental policy and law that supports food safety
- Prevention of diseases from livestock to human via food
- Matrix calculations to describe growth rates of populations
- Principles of disease transmission dynamics between humans and animals
- Collection of vaccination coverage data
- Interpretation of vaccination coverage data
- The rabies problem in the World and the potential for its elimination in Africa

When would you like to start?

Start straight away and learn at your own pace. If the course hasn't started yet you'll see the future date listed below.

- Available now

Join today

Learning on this course

If you'd like to take part while our educators are leading the course, they'll be joining the discussions, in the comments, between these dates:

- 4 Oct 2021 - 14 Nov 2021

On every step of the course you can meet other learners, share your ideas and join in with active discussions in the comments.

What will you achieve?

By the end of the course, you'll be able to...

- Summarise the many advantages of a closer cooperation between human and animal health.
- Describe the fundamental principles of cross-sector human and animal health economics.
- Explain how the transmission of diseases from livestock to human via food can be prevented.
- Discuss the environmental policy and law that supports food safety.
- Debate how food safety can benefit from One Health.
- Develop ideas for transdisciplinary processes that can solve an everyday One Health problem.
- Reflect on the problems that arise from poor communication between human doctors and veterinarians.
- Investigate social-ecological perspectives for the improvement of human and animal well-being.
- Identify the rabies problem in the World and the potential for its elimination in Africa.
- Investigate through practical case studies the collection of vaccination coverage data.
- Calculate matrices to describe growth rates of populations.
- Interpret tables of vaccination coverage data.
- Calculate transmission dynamics of diseases between humans and animals

Who is the course for?

The only thing you need to bring to this course is an interest in the relationship between humans and animals in different cultures and how to describe these qualitatively and quantitatively. You don't need prior knowledge of human or veterinary medicine to benefit from this course - it addresses non-professionals as well as health professionals and those working in politics, NGOs, and students of veterinary and human medicine throughout the world.

What software or tools do you need?

To take part in this course it is helpful to have access to a spreadsheet calculation program. However, you may also calculate the examples by hand on paper.

What do people say about this course?

"This was the best One Health course I have experienced so far, and I will absolutely recommend it to everyone. "

Juliana Galhardo

Who will you learn with?



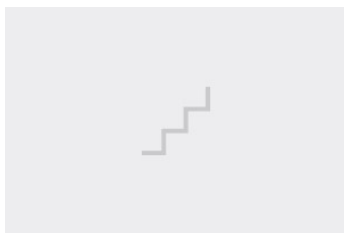
[Jakob Zinsstag](#)

Professor of Epidemiology at the Swiss Tropical and Public Health Institute and the University of Basel, Switzerland.



[Esther Schelling](#)

I'm a vet by training and now the leader of the Mobile Populations and Health research group of the Human and Animal Health Studies unit at Swiss TPH. I mainly work in Africa, Asia and Switzerland.



[Bassirou Bonfoh](#)

Veterinary-Epidemiologist, working in the area of capacity building in One Health by addressing risk analysis and zoonoses control and elimination pathways in Africa.

Who developed the course?



University of Basel

The University of Basel has an international reputation of outstanding achievements in research and teaching.

Supporters

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Available until 22 November 2021 at 23:59 (UTC). [T&Cs apply](#).

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Learner reviews

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You can use the hashtag [#FLonehealth](#) to talk about this course on social media.

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Learners who joined this course have also enjoyed these courses.



[EIT Food, University of Reading & European Institute of Innovation and Technology \(EIT\)](#)

Food and Nutrition: The Truth Behind Food Headlines

[4.4 \(56 reviews\)](#)

[Learn how to find reliable, scientific information about food and nutrition and identify the truth behind food headlines.](#)

[3 weeks](#)

[2 hrs per week](#)

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[EIT Food, University of Turin & European Institute of Innovation and Technology \(EIT\)](#)

Food for Thought: The Relationship Between Food, Gut and Brain

[4.6 \(203 reviews\)](#)

[The gut and brain are very closely linked. Explore how neurology, the microbiome and more interact to affect health.](#)

[5 weeks](#)

[4 hrs per week](#)

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[University of Leeds](#)

[Causes of Human Disease: Nutrition and Environment](#)

[4.7 \(69 reviews\)](#)

[Explore how nutrition and environmental factors such as toxins influence your chance of developing human disease.](#)

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