

Course Announcement IGS North-South

Spring Semester 2021

Time: Starting on 22 February 2021, taking place on Mondays & Wednesdays (10:15-12:00) (first 7 weeks of semester); one-day excursion on 15 April

Title: Environnements urbains: politique, gouvernance, infrastructures

Module: DTM

ECTS: 5

Institution: IGD, University of Lausanne

Lecturers: René Véron

Content: Les villes représentent des hybrides socio-écologiques, des « secondes natures » transformées par des technologies et le métabolisme urbain. Ce cours introduit aux processus biophysiques ainsi qu'aux technologies d'approvisionnement en ressources dans le contexte des villes du Sud. L'accent est mis sur les dimensions politico-économiques, sur les processus, structures et acteurs qui influencent la reproduction des inégalités et des vulnérabilités de différents groupes sociaux par rapport à leur accès à des biens et maux environnementaux. Cette problématique est discutée à travers différentes ressources naturelles en ville (les terrains, les espaces verts, l'eau, l'assainissement, etc.) et différentes « externalités » environnementales (déchets solides ménagers et pollution de l'air). Elle est abordée dans la perspective théorique de la « urban political ecology » qui regarde la ville comme une « seconde nature » créée par les rapports dialectiques entre la société et l'environnement biophysique. Comme fil rouge servent les résultats d'un projet FNS sur la gouvernance environnementale des petites et moyennes villes en Inde autour des parcs, des étangs et de la gestion des déchets.

This course will be held in French.

Learning objectives: À la fin du cours, vous devriez être capables de:

1. décrire le métabolisme – les flux et cycles de matière et d'énergie – des villes du Sud.
2. évaluer les interventions infrastructurelles et d'ingénierie dans l'environnement naturel et bâti des villes du Sud.
3. analyser les déterminants politico-économiques de l'inégalité d'accès aux ressources « naturelles » urbaines et d'exposition aux maux environnementaux ;
4. appliquer l'approche de l'« urban political ecology » à différentes thématiques environnementales dans des situations urbaines diverses; rédiger un rapport de type « consultant du développement » et communiquer ces résultats visuellement et oralement

Place: Lausanne (UNIL Geopolis/2238)

Contact: René Véron (rene.veron@unil.ch)

Registration: To register to the course (as an external student), please contact Marie-Christelle Pierlot marie-christelle.pierlot@unil.ch or +41216923513

Time: Starting on 22 February 2021, taking place on Mondays (16:15-18:00)

Title: Environmental management and livelihoods

Module: DTM

ECTS: 5

Institution: IGD, University of Lausanne

Lecturers: Ross Shackleton

Content: This course/seminar focuses on theoretical and empirical debates related to reciprocal effects between environmental management practices and lives and livelihoods of "marginal" populations (from rural areas, from developing countries or among minorities). It will draw on classical and current research in sustainable livelihoods, in "political ecology", in development studies and other related disciplines.

This course will be held in English.

Learning objectives:

- Assess and contribute to classical and current debates related to reciprocal effects between environmental management practices and lives and livelihoods of "marginal" populations (from rural areas, from Third World countries or among minorities).
- Develop theoretical and conceptual knowledge in "political ecology", development studies and other related disciplines.
- Develop and discuss empirical and theoretical arguments in the field of environmental management and livelihoods.
- Read and communicate in English with a relevant terminology borrowed from development studies, geography, "political ecology" and environmental sciences.

Place: Lausanne (UNIL Geopolis/2238)

Contact: Ross Shackleton

Registration: To register to the course (as an external student), please contact Marie-Christelle Pierlot marie-christelle.pierlot@unil.ch or +41216923513

Time: Starting on 22 February 2021, Taking place on Mondays (14:15-16:00)

Title: Théories et histoire du développement - Séminaire

Module: DTM

ECTS: 4

Institution: IGD, University of Lausanne

Lecturers: Jérémie Sanchez

Content: Ce séminaire approfondit les théories et approches du développement introduites dans le cours du même titre offerte en automne précédent à travers des questionnements et débats et cas actuels. Les thématiques abordées peuvent inclure des sujets divers comme la mondialisation, la pauvreté, des enjeux des grands projets agricoles ou minières, la micro-finance, la technologie, la gouvernance, les droits humains, l'aide au développement, etc. Ces thématiques sont principalement développées et débattu par les participants du séminaire.

This course will be held in French.

Learning objectives:

- Approfondissement des connaissances théoriques et conceptuelles en Etudes du développement
- Introduction à des débats et cas actuels liés aux questions du développement
- Capacité à relier des débats et cas actuels à des théories et concepts clé du développement
- Compétence en communication orale et écrite

Place: Lausanne (UNIL/Geopolis/2238)

Contact: Christian Kull (christian.kull@unil.ch)

Registration: To register to the course (as an external student), please contact Marie-Christelle Pierlot marie-christelle.pierlot@unil.ch or +41216923513

Time: Starting on 3 March 2021, taking place on Wednesdays (16:15-18:00)

Title: Lecture with exercises: Advanced One Health Methods

Module: DTM

ECTS: 2

Institution: Swiss TPH, University of Basel

Lecturers: Jakob Zinsstag

Content: Description: This seminar extends the lecture “Introduction to One Health” and responds to the demand of students to provide deeper insight and practical work on “One Health” Methods. It is provided by a veterinary epidemiologist and a mathematician. The audience are advanced students and PhD candidates in the fields of epidemiology, biology, veterinary and human medicine. The Seminar is composed of lectures, self-study, discussions and practical seminar work on:

- Theoretical foundations of “One health”
- One health study design
- Ecology of the animal-human interface
- Antimicrobial resistance surveillance
- Material flow analysis (Prof. Dr. Claudia Binder, HERUS, EPFL, tbc)
- Dynamics and economics of cross-species disease transmission (The students will work through a practical example of an animal-human transmission model and a cross-sector economic analysis of an intervention).

For 2019 the following topics are proposed

- Combined material flow analysis – quantitative microbial risk assessment (MFA-QMRA) of resistant enterobacteria

- Animal-Human Transmission dynamics of *Taenia solium*

The course integrates the MOOC on Transdisciplinarity <https://www.futurelearn.com/courses/partnering-for-change>

The course will be held in English.

Learning objectives: The seminar provides theoretical and practical insight to “One Health”, from for advanced students in biology, veterinary and human medicine and related fields. At the end of the seminar, students are able to develop their own animal-human transmission models and “One Health” studies.

Place: Swiss TPH, Zoom

Contact:

Registration: <https://www.unibas.ch/en/Studies/Mobility/Mobility-Switzerland/Students-Registering-From-Other-Swiss-Universities.html>

Time: Starting on 22 February 2020, Thursday (12:30 – 13:45), 25 February (starting 12:15 for the Technical Introduction), 11 March (after 3 weeks), 25 March, 15 April, 29 April, 12 May (Wednesday!), 3 June (after 1 week)

Title: Writing for an Academic Audience: The rules of scientific articles

Module: CPM

ECTS: 3

Institution: CDE, University of Bern

Lecturers: Dr. Sarah-Lan Mathez-Stiefel

Content: Writing articles for peer-reviewed journals is a must for researchers, as this is the prime means of communicating exciting new results to the scientific community; moreover, an academic career is often evaluated on the basis of the number of peer-reviewed articles one has been able to publish in journals (if possible journals with high impact factors). It is therefore worth learning the rules of writing such articles at an early stage. This e-learning course is designed to introduce researchers to the rules and context of writing scientific articles and to provide researchers with opportunities to advance and improve their own writing. Eight webinars will lead participants through the essential rules, tools, and context of scientific writing, and provide time for questions and answers. Students will also have an opportunity to practice their skills in individual exercises, work on their scientific texts, and act as peers in group assignments. In addition, individual Skype coaching sessions will be offered in June-September 2018. Topics will include understanding who one’s audience is, choosing an appropriate journal, working on key messages, structuring an article (IMRAD), doing the different parts of an article efficiently, writing concisely and precisely, using paragraph structure and other language tricks, how to refer to relevant literature, doing tables and figures, and submitting an article and suggesting reviewers. Completion of assignments is compulsory to pass the course. Students may miss no more than one webinar. A headset and installation of Adobe Flash Player are required to participate in the webinars.

Eligibility requirements: Max. 10 participants. Full members of the IGS North-South will be given priority. But international associate members are also encouraged to participate in this course.

Please consider that participating students need approx. 1 day for preparatory work between the sessions.

It is important that you have good internet access during the sessions. A headset and installation of Adobe Flash Player are required to participate in the webinars.

The course will be held in English.

Learning objectives: Participants have structured knowledge of, and the necessary skills for, planning scientific articles and writing them effectively; in particular, they know how to:

- Identify their audience and tailor their key messages accordingly;
- Structure a scientific paper according to acknowledged rules (“IMRAD”);
- Write and revise their work for clarity and effectiveness;
- Find help and tools when they work on their theses and prepare their articles for publication in reputed scientific journals.

Place: online

Contact: Dr. Sarah-Lan Mathez-Stiefel (sarah-lan.mathez@unibe.ch)

Registration: Please register by e-Mail (igs-north-south@cde.unibe.ch) by Monday 15 February 2021 at the latest; you will receive an Introductory Package to test your connection. If you do not have a Swiss Campus Account, please inform us by 7 February 2021 so that we can apply for a temporary University account for you.

Time: Taking place on 16 March, 19 & 20 April, 11, 26 / 27 May (public lecture & workshop)

Title: Zurich Lectures cum Graduate Seminar in Development Geography

Module: DTM

ECTS: 1

Institution: Development Study Group Zurich (DSGZ), University of Zurich

Lecturers: Manuela Bojadzijev, Matt Finn, Paul Langley & Sarah Smith

Content: We invite an internationally renowned scholar for a public talk, a one-day workshop and for individual talks with PhD students.

Course is held in English.

Learning objectives: -

Place: Dept. of Geography, Winterthurerstr. 190, 8057 Zurich (public lecture) and place tba (for workshop and individual talks)

Contact: Norman Backhaus (norman.backhaus@geo.uzh.ch)

Registration: Please register through Norman Backhaus (norman.backhaus@geo.uzh.ch). Please include also a brief description of your research topic and affiliation.

In order to get the ECTS, you need to a) participate in one of the public lectures and write a summary about the talk (1-2 A4 pages) and b) participate in one workshop.

Time: Taking place on 2-3 days in May-June 2021

Title: Lausanne Doctoral Seminar in Political Ecology. Feminist urban political ecology

Module: DTM

ECTS: 1.5

Institution: IGD, University of Lausanne

Lecturers: René Véron (coordinator)

Content: This two-three day interactive seminar seeks to build on the knowledge of both participants and facilitators to identify the value of Political Ecology approach, to survey recent developments, and to apply the approach to a concrete case in order to contribute to its evolution. The 2021 edition of this block course will focus in particular feminist approaches to urban political ecology.

The course is held in English.

Learning objectives: In this course, we will:

- a. Highlight the features of classical approaches of Political Ecology;
- b. Discuss emerging approaches of Political ecology in the field, their strengths and their gaps;
- c. Engage in the question of how to address urban/feminist today with Political Ecology perspectives and tools.

Place: Lausanne (UNIL)

Contact: René Véron

Registration: -

Time: 22 February 2021. 6 Weeks. From the date of the course start, you have 8 weeks free access to the course.

Title: Partnering for Change: Link Research to Societal Challenges - Discover the methods and tools of transdisciplinary research

Module: DTM

ECTS: 1.5

Institution: -

Lecturers: Cornelia Hett (responsible) (cornelia.hett@unibe.ch)

Content: In today's world, we face many complex societal challenges. Research projects addressing these challenges often involve actors and stakeholders from different fields and disciplines bringing together their own perspectives or knowledge on a topic. Accordingly, collaborative transdisciplinary approaches are crucial for the success of a project. On this course, you'll explore how to meet the challenges of conducting effective transdisciplinary research. You'll gain insights into a variety of case studies from different fields as you learn from the experiences of peers and experts. As the course is open for participants all over the world (not only IGS students), you will have the chance to exchange and learn with many other students, researchers, and practitioners. The MOOC is divided into 6 weeks. Each week is dedicated to particular learning themes. These contain various activities (videos, articles, discussions, quiz) that you should complete within the week through self-study and exchange with other learners. You are free to choose the day and time where you go through the learning material. In addition, you will write an essay to apply the learnings to your PhD project.

Learning objectives: By the end of the course, you'll be able to:

- Develop your research skills as you investigate how to co-produce knowledge for society and academia.
- Reflect transdisciplinarity – its principles, its research processes and the context in which it is promising.
- Apply transdisciplinary approaches to societally relevant questions.
- Identify guiding questions, phases and steps of transdisciplinary project.
- Apply the principles and steps of transdisciplinary research to examples in order to reflect the implication for your own projects.
- Reflect the role of scientists and stakeholders in society and consider the ethical implications of co-producing processes

Place: online

Contact: cornelia.hett@unibe.ch

Registration: Link: <http://bit.ly/tdmooc>

Time: Taking place on 4 & 5 March 2021

Title: Lecture with practical courses: Introduction to R for epidemiological data analysis

Module: DTM

ECTS: 1

Institution: Swiss TPH, University of Basel

Lecturers: Jan Hattendorf

Content: This course is an introduction to R, a free open-source software environment for statistical computing. The software is very popular but hard to use at first. R is characterized by an enormous flexibility that enables the user to perform sophisticated statistical procedures or simulations but is less intuitive compared to

other statistical software. The course will use mainly data and analysis techniques related to epidemiology and biomedical science.

This course will be held in English.

Learning objectives: By the end of the course, students will be able to use R for basic statistical analysis and graphical representation. They will be aware of common mistakes and will know the strengths and limitations of the software.

Place: Swiss TPH, Zoom

Contact: -

Registration: <https://www.unibas.ch/en/Studies/Mobility/Mobility-Switzerland/Students-Registering-From-Other-Swiss-Universities.html>

Time: 9 – 18 June 2021

Title: Governing socio-ecological processes in Switzerland: Global Challenges in a Swiss Canton?

Module: DTM

ECTS: 3

Institution: Centre for Development and Environment (CDE), University of Bern; Institute of Geography and Sustainability, University of Lausanne

Lecturers: Prof. Dr. Norman Backhaus, Prof. Dr. Thomas Breu, Prof. Dr. Laurent Goetschel, Prof. Dr. Tobias Haller, Dr. Karl Herweg, Dr. Sarah-Lan Mathez, Prof. Dr. Emmanuel Reynard, Dr. Jérémie Sanchez, Prof. Dr. Jürg Utzinger, Prof. Dr. René Véron, Prof. Dr. Jakob Zinsstag

Content: The 2021 Summer School of the International Graduate School (IGS) North-South will focus on the governance of, as well as tensions around, resources, landscapes, health and tourism in the canton of Valais (Switzerland) with the aim to provide methodological and conceptual insights into integrated approaches to engage in research across northern and southern contexts. The goal of the Summer School is to offer an intercultural, inter- and transdisciplinary learning and exchange platform for PhD students from different countries around the world and from different academic disciplines who are involved in interdisciplinary research on sustainable development and global change.

The Summer School is held in English.

Learning objectives: -

Place: Valais, Switzerland

Contact: www.igs-north-south.ch

Registration: To apply, please fill in the official online application form on www.igs-north-south.ch

Further Courses of Graduate School of Social Sciences (G3S)

The courses offered by Swisspeace are part of the Graduate School of Social Sciences. Further courses of the G3S are published [here](#). For a description of the school please visit [this site](#).