



MASTER BIODIVERSITY, ECOLOGY & EVOLUTION

MASTER 2

Program

SOCIETIES & BIODIVERSITY

TRANSFORMATIONS & SOCIAL-
ECOLOGICAL TRANSITION



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DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2-COMM- Communications**Coordinator(s):** Anne-Caroline Prévot**Organization**

Semester	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum participants
1	3	10	10	1	20	20

Objectives

Address the ways in which political, economic, media, associative and/or scientific actors take positions on ecological transition issues

Understand how to build an influential communication medium

Key words

Brief – message – actors networks

Target skills

Know how to build a communication brief

Prerequisites

none

Evaluation procedure

☐ Written ☒ Practical ☐ Continuous Assessment ☐ Oral

Contact(s)

Anne-caroline.prevot@mnhn.fr

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2-ECOTRANS- Economics of environmental transition**Coordinator(s):** Harold Levrel (AgroParisTech) –Catherine Boemare (CIRED)**Organization**

Semester	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum participants
1	6	30	20	2	25	40

Objectives

Ecological transition resonates with demographic, forestry, agro-ecological and other transitions, and of course with economics. This course proposes a description and an analysis of the changes underway or to come in several fields that affect the economy: economic theory per se, institutions and organizations that coordinate actors within the capitalist system; evaluation, modeling and regulation tools to initiate or support the ecological transition; evolution of activity sectors and consumption behaviors related to the exploitation or management of ecosystems. This course should enable students to benefit from a "systemic vision" of the different dimensions of the ecological transition of the economy.

Key words

Transition, ecology, modeling, accounting, food

Target skills

Knowledge of the theories and tools from economics that make it possible to think about the transition of socio-ecosystems towards greater sustainability.

Prerequisites

none

Evaluation procedure

☐ Written ☐ Practical ☐ Continuous Assessment ☒ Oral

Contact(s)

Anne-caroline.prevot@mnhn.fr

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** Seb2-DURA – Sustainability sciences**Coordinator(s):** Denis Couvet – Anne-Caroline Prévot**Organization**

Semester	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum participants
1	6	30	30	4	15	20

Objectives

Explore and debate sustainability science in the ecological transition.

Topics include:

Resilience and collapse of anthropo-ecosystems, scenarios and 'shared socio-economic trajectories', rebound effects and relationship with social practices and technologies.

Notions of ecosystem services, relationships between biodiversity, values and livelihoods, environmental languages, nature-based solutions (agro-ecology and farming patterns). Psycho-social relationships to change and transition, population projections, demographic aging, international migration, global value chains and infrastructure.

Key words

Transformative science - systemic approach - place of science

Target skills

Build a critical approach to the ecological transition, through the lens of biodiversity and ecological sciences.

Prerequisites

Ecological science

Evaluation procedure

X Written ☐ Practical ☐ Continuous Assessment ☐ Oral

Contact(s)

Denis.couvet@mnhn.fr

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2-NARRA – Narratives and transition**Coordinator(s):** Anne-Caroline Prévot**Organization**

Semester	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum partici-pants
2	3	10	20	10	2	40

Objectives

In a context of increasing injunctions to invent tomorrow, this module aims to develop a critical look at the narratives of the future, with a particular focus on biodiversity issues. The narratives studied are scientific, literary, artistic, historical, religious, etc.

Sessions will alternate between interdisciplinary knowledge inputs and creative workshops, in order to (1) collectively decipher existing future narratives; (2) write or rewrite existing narratives by decentering points of view or contexts.

Key words

Artistic creation; interdisciplinarity; critical approach

Target skills

Deciphering actual narratives; creativity

Prerequisites

none

Evaluation procedure

☐ Written ☒ Practical ☐ Continuous Assessment ☐ Oral

Contact(s)

Anne-caroline.prevot@mnhn.fr

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2-ATTSE – Ateliers de TTSE**Coordinator(s):** Julien Dellaux – Anne-Caroline Prévot**Organization**

Semester	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum partici-pants
1-2	9	5	60	10	3	20

Objectives

This course consists in responding collectively to an operational order on an issue related to the socio-ecological transition, by :

- integrating biodiversity issues with the social, economic and political issues of the territory
- privileging the imaginary and (science-)fiction as a mode of action with the inhabitants and the actors of the territory.
- articulating the revealed imaginary with the concrete socio-ecological stakes of the territory concerned, in an approach of co-construction of public policies

Part of the work will be to create and deploy workshops mobilizing all forms of creativity, discussion and expression, to open up imaginations and bring in very diverse audiences.

Key words**Target skills****Prerequisites**

None

Evaluation procedure

X Written ☐ Practical ☐ Continuous Assessment X Oral

Contact(s)

Julien.dellaux@mnhn.fr

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2 - Droit / Environmental law**Coordinator(s):** Julien Dellaux**Organization**

Semester	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum participants
1	6	45	15	2	30	50

Objectives

Targeted knowledge

- Sources of environmental law (international, European and national);
- The principles of environmental law (prevention, precaution, information, etc.) and the legal obligations arising from them;
- The competent authorities and the procedures that must be followed;
- Recourse (international, European and national: constitutional and administrative);
- The law for the protection of biodiversity: the protection of species and spaces
- The law of climate.
- The law of urban planning.

Key words

Environmental law, climate, biodiversity protection

Target skills

- Know how to research relevant regulations;
- Read legal instruments and identify their scope;
- Identify binding and non-binding provisions;
- Identify the competent jurisdictions and the appeals that can be made;
- Identify the legal means that can be invoked;
- Evaluate the relative effectiveness of different remedies.

Prerequisites

None

Evaluation procedureX Written ☐ Practical x Continuous Assessment ☐ Oral**Contact(s)**

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2 -GPro / Project management**Coordinator(s):** Julien Dellaux**Organization**

Semeste	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum partici-pants
1	3	15	15	1	30	30

Objectives

Targeted knowledge:

- Knowledge of the phases of a project cycle (diagnostic phase, monitoring, evaluation, etc.);
- Definition and re-evaluation of strategic objectives;
- Acquisition of basic concepts (ToR, concept paper, strategic objectives, indicators, etc.)
- Familiarization with the context of environmental project development;
- Knowledge of the actors and instruments that can be mobilized (from a theoretical and practical point of view).

Key words

Project cycle, business plan, concept paper, logical frame

Target skills

- Set up projects in different sectors (companies, public actors, NGOs, etc.)
- Understand the context of project development and constraints;
- Plan and implement a project;
- Identify objectives, activities, indicators;
- Create a logical framework;
- Drawing up a SWOT matrix.

Prerequisites

none

Evaluation procedureX Written ☐ Practical ☐ Continuous Assessment ☐ Oral**Contact(s)**

Julien.dellaux@mnhn.fr

DEGREE TITLE: Biodiversity, Ecology and Evolution**Program:** Societies and Biodiversity**Specialization:** Transformations and Social-ecological transition**Title of the module:** SeB2 – DOCU / Documentary**Coordinator(s):** Lucile Garçon**Organization**

Semeste	ECTS	CM (h)	TD/TP (h)	Number of Weeks	Hours per week	Maximum partici-pants
2	3	10	20	2	15	30

Objectives

This module aims to enable you to acquire theoretical and technical bases in the field of documentary film-making, with a view to developing original methods of investigation and other forms of writing than the writing of argumentative texts. These lessons will lead to the production of short documentary films in the form of directed work in small groups.

Key words

Documentary, critical look, editing, sound recording, short film

Target skills

Acquire a critical view of documentary film making. To make documentaries.

Prerequisites

None

Evaluation procedure

☐ Written ☐ Practical ☐ Continuous Assessment ☐ Oral

Contact(s)

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