

IMAGINE VIRTUAL EXCHANGE: The Languages of Science (2021/2022)

WHAT ARE THE CODES OF THIS COURSE?

4TTV514U at UB and BEG7029 at UFSC

WHO IS RESPONSIBLE FOR THIS COURSE?

André Ramos (Coordinator) & Norma Machado (at UFSC) and Marc Landry & Alexandra Reynolds (at UB)

OTHER PROFESSORS AND RESEARCHERS PARTICIPATING:

José Eduardo Gomes, Pascal Fossat, Didier Thoraval (from UF Biology, UB), Marie-Pierre Moisan (from Nutrineuro, INRAE) and Isabelle Coupry (from MGRM, INSERM)

CREDITS AND RULES:

This course will be optional and count as 4 "class-hours" for UFSC students (up to 20 places) and will be "mandatory of choice", replacing an English course and counting 3 ECTS for UB students (up to 20 places). All students must speak English (medium to advanced level is recommended) so that they will be able to understand, discuss and write about the course topics.

TIME CHARGE:

25 h of synchronous online classes via zoom (10 h theoretical + 15 h practical supervision) + 50 h of autonomous, supervised team work.

EVALUATION:

Assiduity (10%); English communication skills (10%); Participation in discussions (10%); Pre-project (20%); Final report (50%).

TIME SCHEDULE FOR OVERALL MEETINGS - 2021/2022:

Date	Theme
05/10	Introduction, planning and mingling
12/10	History of Science Popularization
19/10	Models of Science Communication
26/10	Science and Culture (synergies with Indigenous Knowledges)
02/11	Holidays (in Brazil and France)
09/11	Cognitive biases and Fallacies (Dr JE Gomes)
16/11	Fact checking (Dr JE Gomes) / Introduction about EMN-online (Dr M. Landry)
23/11	Social networks: sources of information or misinformation? (Dr JE Gomes)
30/11	Anti-science and Pseudoscience: implications on Covid-19 management
07/12	Citizen Science
14 or 21/12	Science and Democracy
01/02	Oral project presentations
08/02	Oral project presentations

* All the above meetings will take place by zoom at 15:10 in Florianópolis time or 19:10 in Bordeaux time. These meetings will last about 90 min and cover all theory classes, but general discussions about

practical projects may also be done following the theoretical debates. Supervised meetings to discuss specific projects will be scheduled one by one throughout the semester, up to a total of 15 h per group.

PRACTICAL ACTIVITIES:

Each student will develop one practical project chosen amongst the two following categories:

Sci-Trip – This activity will be carried out in pairs (1 UFSC + 1 UB), with each pair choosing one special theme and one special guest to work with.

The eight themes available are: ***Climate Change & Biodiversity; Renewable Energy; Education; Science and Society; Science and Gender; Science and Ethnicity; Neuroscience; and Science of Natural Products.*** For details on the procedures and on the list of international guests see:

<https://projetoimagine.paginas.ufsc.br/files/2021/06/PROJECT-RELEASE.pdf>

Teaching-tool Dev - Mixed teams of four students will develop projects of teaching innovation (e.g. creating an innovative tool, process or game) meant to be used in science education or science popularization. Students enrolled in this category may choose between ongoing projects and new projects conceived by themselves. See more details on the link provided above.

Rural workshops (additional category for volunteers French students only, not accounted as a regular practical project) – A team of up to four UB students will participate in a science workshop, similar to those already held by the Imagine Project in Brazil and Peru (see web-documentaries at www.youtube.com/projetoimagine), in the Middle-School of Salles, Gironde, in November 15-18 about the theme "DNA, diversity and heredity".

MAIN BIBLIOGRAPHY:

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HANSSON, S.O. Science denial as a form of pseudoscience. *Studies in History and Philosophy of Science*, 63, 2017.

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