

# Science et Société : analyse de controverses scientifiques

## Lecturers

Patrick MARDULYN (Coordinator) and Grégoire Wallenborn

## Course mnemonic

ETHI-F301

## ECTS credits

5 credits

## Language(s) of instruction

French

## Course period

First term

## Campus

Plaine

present their opinion on a debate; Debates; Personal work to be handed in, the evaluation of which may contribute to the final grade of the course.

## Course notes

Université virtuelle

## Other information

### Place(s) of teaching

Plaine

### Contact(s)

Patrick Mardulyn (patrick.mardulyn@ulb.be) and Grégoire Wallenborn (gregoire.wallenborn@ulb.be)

## Evaluation method(s)

Project

### Evaluation method(s) (additional information)

One personal written project + one group project either to be presented orally or in written form

### Determination of the mark (including the weighting of partial marks)

Projects evaluation

### Main language(s) of evaluation

French

### Other language(s) of evaluation, if applicable

English

## Programmes

### Programmes proposing this course at the faculty of Sciences

BA-BIOL | Bachelor in Biology | option Bruxelles/unit 2 and option Bruxelles/unit 3, BA-CHIM | Bachelor in Chemistry | unit 2, BA-GEOL | Bachelor in Geology | unit 2, BA-INFO | Bachelor in Computer science | unit 3, BA-IRBI | Bachelor in Bioengineering | unit 3, BA-MATH | Bachelor in Mathematics | unit 2 and unit 3 and BA-PHYS | Bachelor in Physics | unit 3

## Course content

Search for scientific articles to assess the state of knowledge on different subjects associated with contemporary society debates; Critical assessment of articles from the scientific literature; Developing your own opinion on a society debate; Topics that are discussed change every year, and are usually related to current events (e.g., use of GMOs in agriculture, toxicity of glyphosate, personal genomics, causes of global warming, risks related to vaccination, effects of 5G on human health and the environment ...)

## Objectives (and/or specific learning outcomes)

Discover how scientific research works; discover the reality and complexity of the scientific debate; develop a critical mind; learn to assess the state of scientific knowledge on a specific subject, then develop your own opinion regarding a contemporary society debate; learn to analyze a public debate: identify and verify the facts presented, point out any contradictions, omissions, or abusive interpretations

## Pre-requisites and co-requisites

### Required knowledge and skills

no required knowledge

## Teaching method and learning activities

Analysis of television debates, documentaries and media articles; Search and critical assessment of articles from the scientific literature; Group discussions; Discussions with guest experts who

## Programmes proposing this course at the Brussels School of Engineering

BA-IRBI | Bachelor in Bioengineering | unit 3

