

Sciences de la terre et du bioingénieur, environnement et société

Lecturers

Pierre REGNIER (Coordinator), Charles DE CANNIERE, Jean-Michel DECROLY, Christian HERMANS, Frank PATTYN and Alizée Roobaert

Course mnemonic

BING-F1001

ECTS credits

5 credits

Language(s) of instruction

French

Course period

First term

Campus

Solbosch

Course content

PART 1

PART 2: the disciplines of agricultural sciences; soils and fertility; a short history of agriculture and agricultural systems; agricultural development and food security; current issues and options for changes

PART 3: Seminars on bioengineering professions: illustration of the versatility of the profession

Objectives (and/or specific learning outcomes)

PART 1

PART 2 (agronomy): presentation of agricultural sciences as a discipline that studies agricultural production sensu lato, and the issues at stake.

Pre-requisites and co-requisites

Courses having this one as pre-requisit

BING-F202 | Agro-écosystèmes et systèmes agraires | 5 crédits
and GEOL-F2001 | Introduction à la minéralogie et à la pédologie | 5 crédits

Teaching method and learning activities

PART 1

PART 2: ex-cathedra lectures with Powerpoint support; invited seminars; exercises bearing on current issues

PART 3: 5 seminars of 2 hours each in the first quadrimester, led by professionals from different fields of bioengineering.

References, bibliography and recommended reading

PART 1

PART 2: Marcel Mazoyer et Laurence Roudart. 2002. Histoire des agricultures du monde. Du néolithique à la crise contemporaine. Le Seuil, Points Histoire. 705 pp.

Other information

Place(s) of teaching

Solbosch

Evaluation method(s)

Other

Evaluation method(s) (additional information)

PART 1: Written exam

PART 2: written exam (open questions, a list of which will be provided during the quadrimester)

PART 3: Written exam (MCQ inserted in the exam of PART 1, concerning the 5 seminars)

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

PART 1: 50%

PART 2: 50%

PART 3: a bonus point system (0, +1 or +2 out of 20) for the final EU mark

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the faculty of Sciences

BA-IRBI | Bachelor in Bioengineering | unit 1 and

MA-ENVI | Master in Environmental Science and

Management | finalité Management of the environment/unit 2

Programmes proposing this course at the Brussels School of Engineering

BA-IRBI | Bachelor in Bioengineering | unit 1

