

Systèmes d'information géographique et projections

Lecturers

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Course mnemonic

GEOG-F211

ECTS credits

5 credits

Language(s) of instruction

French

Course period

Second term

Course content

Forms and dimensions of the Earth; General properties of the ellipsoid; Definition and classification of the systems of planar representation of the ellipsoid; General study of alterations; Tissot ellips; Some cartographic projections in more details.

Objectives (and/or specific learning outcomes)

To understand the problems linked to the representation of the Earth on a planar surface like a usual map, the deformations that result in this process and how to minimize their impact

Teaching method and learning activities

Powerpoint presentations; Some external people mainly from the National Geographic Institute will also come to talk about recent developments of cartography

Evaluation method(s)

Oral examination

Evaluation method(s) (additional information)

Oral examination

Programmes

Programmes proposing this course at the faculty of Sciences

BA-GEOG | Bachelor in Geography : General | unit 3, MA-ENVI | Master in Environmental Science and Management | finalité Environmental Science/unit 2, MA-GEOG | Master in Geography : General | finalité Teaching/unit 1, MA-GEOL | Master in Geology | finalité Research - 1st year/unit 1 and finalité Research - 1st year/unit 2, MA-IRBA | Master in Agricultural Bioengineering | finalité Professional/unit 2 and MA-IRBE | Master in Environmental Bioengineering | finalité Professional/unit 2

Programmes proposing this course at the Brussels School of Engineering

MA-IRBA | Master in Agricultural Bioengineering | finalité Professional/unit 2 and MA-IRBE | Master in Environmental Bioengineering | finalité Professional/unit 2