LGEO2150A

2012-2013

Aides à la décision en géographie - Faisabilité des projets

3.0 credits	15.0 h + 15.0 h	2q

Teacher(s) :	Thomas Isabelle ; Peeters Dominique ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	The course consists of two parts, which can be followed independently. The first part is dedicated to the presentation of several basic tools in operations research : linear programming, network flows, location models, etc. In the second part, students are introduced to cost-benefit analysis.
Aims :	Introduction to some decision-making methods useful for geographers and land planners. *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Content :	Each part of the course represents 15h courses and 15h exercises. The first part includes theoretical presentations of the methods and practical applications in a computer room. The second part relies essentially on case studies (development projects in urban and rural areas, impacts on the environment, etc.) Students evaluate the projects, compare possible variants, perform sensitivity analysis, etc. Compulsory readings from public organisms such as the Commissariat au Plan, the World Bank, complete
Other infos :	Evaluation First part: open short-answer questions and practical examination at the computer. Second part: open short-answer questions, an exercise and an oral examination on basis of a prepared reading.
Cycle and year of study :	> Master [120] in Environmental Bioengineering
Faculty or entity in charge:	GEOG