BIRE2201 Design and evaluation of projects

[22.5h] 2 credits

This course is taught in the 2nd semester

Teacher(s): André Nsabimana
Language: French
Level: Second cycle

Aims

At the end of the course, the student will have the following competencies:
- Mastery of the project approach as intervention method in industrial economies and developing countries; and its articulation with socio-economic and environmental policy and the execution contexts.
- Facilities in methods and techniques relating to the project cycle management and the logical framework with particular emphasis on systematic and coherent approaches which stress on feasibility analysis, evaluation and financing and execution decision.
- Command of project monitoring and evaluation methods, including economic and financial evaluation.
- Awareness with activity programming methods and human resources management in the project context.

Main themes

This course takes root in the bio-engineer professional realities and studies the project approach in the intervention framework relating to rural development and environment management both in public and private domain.
The project process will be placed in relation with other intervention mechanisms and analysed in details through the project cycle (identification, design, feasibility, programming, financing, execution, monitoring and evaluation). The analysis of the actors logic (finance sponsor, project manager, targeted people, #) and the institutional partnership arrangements will be introduced.
The course stress on evaluation methods and criteria and their practical implementation. The critical analysis through case studies in development and environmental domains will enforce students understanding of main concepts and will allow them to develop appropriate professional attitudes in project management. Identification and formulation tools (problems/objectives tree, self-diagnosis, uncertainty analysis, #) as well as technical feasibility, environmental, organisational, social, financial and economic study methods will be achieved and based on concrete examples. Some points relating to legal and normative aspects will be started on. Project management and monitoring instruments will be analysed.

Content and teaching methods

1. Introduction
2. The project approach in socio-economic and environmental context.
3. Stakeholders logic and institutional partnership arrangements analysis.
4. Project cycle management and logical framework approach
5. Project cycle stages analysis
6. Financial and economic analysis: fundamental principles and techniques
7. Projects financial analysis
8. Projects economic analysis
9. Projects risk analysis

The course is based on fundamental concepts of projects analysis and micro-economics, and is supported by case studies.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Precursory courses and competencies gained in all common-core courses in bio-engineer and common-core courses in BIR A and E, particularly: Introduction à l'analyse des systèmes, Economie rurale, Economies des ressources naturelles.
Supplemental courses : Projet interdisciplinaire d'agronomie, Projet intégré, Economie du développement rural, Evaluation des politiques agricoles, Séminaire d'économie rurale, Mémoire de fin d'études.
Evaluation : at the end of the course, written examination
Support: lectures notes and personal notes.
Teaching team: professor

Other credits in programs

BIR23/0E	Troisième année du programme conduisant au grade de bio-ingénieur: sciences et technologies de l'environnement (Technologies & gestion de l'information)	(2 credits)	Mandatory
BIR23/4E	Troisième année du programme conduisant au grade de bio-ingénieur : sciences et technologie de l'environnement (Technologies environnementales: eau, sol, air)	(2 credits)	Mandatory
BIR23/5E	Troisième année du programme conduisant au grade de bio-ingénieur : sciences et technologie de l'environnement (Aménagement du territoire)	(2 credits)	Mandatory
BIR23/6E	Troisième année du programme conduisant au grade de bio-ingénieur : sciences et technologie de l'environnement (Nature, eau & forets)	(2 credits)	Mandatory
BIR23/7E	Troisième année du programme conduisant au grade de bio-ingénieur : Sciences et technologie de l'environnement (Ressources en eau et en sol)	(2 credits)	Mandatory
BIR23/8A	Troisième année du programme conduisant au grade de bio-ingénieur : sciences agronomiques (Intégrée, productions animales, végétales & économie)	(2 credits)	