UCL Université catholique de Louvain

LBRAI2104

2015-2016

Tropical zootechnology

3.0 credits	30.0 h	1q

Teacher(s) :	Dehoux Jean-Paul ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	ICampus: PowerPoint files and syllabus
Prerequisites :	Animal physiology (LBIR1324 or equivalent), Biochemistry of the nutrition (LBRAL2102 or equivalent), zootechny (LBRAI2107) *The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes :	Issues: this lecture develops the several aspects of the livestock in Tropical. The importance of this livestock for the various pastoral populations in a formidable economic and climatic environment is broadly approached through examples illustrating the important diversity of the tropical world. The adaptation and the qualities of the main important tropical animal breeds for human's population are developed by studying not only the classic domestic animals, but also the mini-livestock and wildlife. The problem of the feed and water availability for the animals is studied in a context of climate restrictions. The breeding systems (from the most extensive to the most intensive) are described. The study of the main animal tropical diseases (glossinas / trypanosomes and ticks / blood parasites) concludes the lecture.
Aims :	A. Contribution of the activity to the reference table AA of the program M1.1; M1.2; M2.1; M2.4; M4.2 B. Specific formulation for this activity of the AA of the program At the end of this activity, the student acquired basic knowledge on: - Livestock in tropical area: importance, problems and constraints, - Local species and breeds of interest: strength and weaknesses, - Pastoralism and its livelihoods, - Feed and water needs of the animals, - Methods of improving farming practices in a broad sense: food, water, prophylaxis ' *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".*
Evaluation methods :	Oral examination
Teaching methods :	Academic presentation using slides and movies on the various topics of the lecture (feeding and watering , tropical breeds , breeding and pathology systems) addressing critical examples of the characteristics and possibilities of improving different systems of animal production in the tropics (eg pastoralism , agro -pastoralism , ranching , intensive fattening with sub- agro-industrial products , ...)
Content :	1 Introduction. Climatology and adaptation to heat 2. Feed and water 3. Different species and breeds 4. Rearing systems 5. The main diseases
Bibliography :	Required support: Course Files available on iCampus
Faculty or entity in charge:	AGRO

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Forests and Natural Areas Engineering	BIRF2M	3	-	🔍
Master [120] in Agricultural Bioengineering	BIRA2M	3	LBIRA2107 **and** LBRAI2107	🔍