LBRAI2107

2015-2016

Animal Production 2

3.0 credits	30.0 h + 7.5 h	2q

Teacher(s) :	Dehoux Jean-Paul ; Donnay Isabelle ; Focant Michel (coordinator) ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	iCampus : powerpoint files and syllabus (part « animal diseases Other : software for ration formulation (INRATION)
Prerequisites :	Animal physiology (LBIR1324 or equivalent) Biochemistry of nutrition (LBRAL2102 or equivalent)
Main themes :	- Main bovine diseases (etiology, epidemiology, symptoms, diagnosis, prognostic, prevention, treatment, vaccines') - Basic theoretical and practical notions of ruminant nutrition ' Analysis and formulation of rations based on specific cases. - Reproductive management and assisted reproduction in the bovine.
Aims :	a. Contribution of the activity to the LO (LO from the program) M1.1 ; M1.2 ; M2.1 ; M2.4 ; M4.2 b. LO from the program specific to this activity At the end of this activity, the student has acquired basic knowledge on: - the main bovine diseases occurring in our region - the main techniques for the management of reproduction and for assisted reproduction used in cattle farming At the end of this activity, the student is able to : - predict the zootechnical performances (dairy production, growth rate, ') of dairy cattle, suckler cow, growing bulls on the basis of the composition of the food ration. - analyse with a software for ration formulation a specific ration given to cattle by a farmer; calculate the dietary balance, correct it and propose a more efficient and affordable one by taking into account the factors specific to a given farm. - understand the reproductive management and strategies applied in the farm and evaluate its performance in general. *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 :	Written and oral examinations (theory) Oral presentation of the resolution of a specific case.
Teaching methods :	Lectures Personal exercises with informatics tool Resolution of specific case (during seminars)
Content :	1. Bacterial diseases (tuberculosis, brucellosis, paratuberculosis); viral diseases (rabies, foot and mouth disease, BVD, IBR); diseases of other origins (BSE); parasitic diseases. 2. Nutrition of dairy cows; nutrition of suckler cows, nutrition of growing bulls. Reproductive anatomy and physiology (reminders) ; reproductive follow up (heat detection, pregnancy diagnosis) ; assisted reproduction (artificial insemination, estrus synchronization and induction, multiple ovulation and embryo transfer, gametes and embryo cryopreservation).
Bibliography :	Files 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 Agricultural Bioengineering	BIRA2M	3	-	