Module designation	Advanced Animal Endocrinology					
Semester(s) in which the	Even semester					
module is taught	Drof Ir Diob Tri Widovoti M.D. Db.D. IDM					
Person responsible for the module	Prof. Ir. Diah Tri Widayati, M.P., Ph.D., IPM. Dr. Ir. Sigit Bintara, S.Pt., M.Si., IPU., ASEAN Eng.					
module	Prof. Dr. Ir. Ismaya, M.Sc.					
Language	Bahasa and English					
Relation to curriculum	Specialization's Elective					
Teaching methods	Classical lecture and discussion					
Workload (incl. contact hours,	Total workload: 79 hours					
self-study hours)						
	Contact hours: - Lecture: 23 hours					
	- Lecture. 23 hours - Academic activity: 28 hours					
	Private study: 28 hours					
Crodit registe	-					
Credit points	2/0					
Required and recommended prerequisites for joining the	None					
module	None					
Module objectives/intended	Course Outcomes:					
learning outcomes	Able to comprehend and explain the endocrine/hormone which					
	have relations with the metabolism process, growth,					
	reproduction, and lactation on animal.					
	2. Explore, identify, and analyse the problems which have relation					
	with endocrine connected with the metabolism, growth,					
	reproduction and lactation.					
	3. Master the internet application for improving the knowledge					
	and updated information in the animal endocrinology scope.					
	4. Able to cooperate in a team, leadership and be responsible.					
	Expected Learning Outcomes:					
	- Attitudes and Behaviors:					
	Be accountable in carrying the professional practice that					
	includes ability to accept accountability towards decision					
	and professional action. It shall be according to the scope					
	of the practice under their responsibility and laws. (CO4)					
	- Knowledge:					
	Able to master the livestock production science, animal					
	nutrition and fed science, animal products technology, and					
	the livestock social economics in relation to food security					
	and environment. (CO1)					
	- Special skills:					
	Able to solve problems and anticipate issues in the development of animal science and industry (CO2).					
	development of animal science and industry. (CO2)					
	- General skills:					
	Able to identify the science that becomes their research biggt and position it to a research man by using					
	object and position it to a research map by using information technology in the context of science					
	development and expertise implementation developed					
	through interdisciplinary or multidisciplinary approaches.					
	(CO3)					
	(003)					

Content	This course discusses the endocrinology principles, the endocrine							
	7	rth, re	eproduction and					
		lactation on mammals. Assessment Course Outcomes						
Exams and assessment		Assessment			Percentage (%)			
formats		Components		(CO)				
	(written test, home exam, p	1. Midterm exam (written test, take home exam, paper assignment)		CO1 & CO2		30		
		2. Final exam (written						
	test, take h exam, p	test, take home		CO1 & CO2		30		
		3. Short quizzes/		CO2 & CO3		20		
	4. Discussion	CO3 & CO4		& CO4	20			
		Grade and Score						
	Grade	Ç	Score	Grade		Score		
	А		≥80	C+		45-49,9		
	A-	7	5-79,9	С		40-44,9		
	A/B	70-74,9		C-		35-39,9		
	B+	65-69,9		C/D		30-34,9		
	В	6	0-64,9	D+		25-29,9		
	B-	5	5-59,9	D		20-24,9		
	B/C	,		Е		0-19,9		
Study and examination	_	The final grade in the module is composed of 30% performance on						
requirements	ment, and 20%							
		discussion. Students must have a final grade of 70% or higher to						
D !! !! !	pass							
Reading list	Reproducti Language Bearden, Reproducti Hafez, E.S. edition, Lea Kim E. Bar Brooks. 20 Twenty-Fift Geoffrey H and Obste Edinburgh. Noakes, D Veterinary Squires, J	 Reproduction and Obstetrics, 5th edition, The English Language Book Society and BailliereTindall, London. Bearden, J. H. and J.W. Fuquay, 2004, Applied Animal Reproduction, Reston Publishing Company Inc., Virginia. Hafez, E.S.E., 2003, Reproduction in Farm Animals, 7th edition, Lea and Febiger, Philadelphia. Kim E. Barrett, Scott Boitano, Susan M. Barman, Heddwen L. Brooks. 2016. Ganong's Review of Medical Physiology, Twenty-Fifth. McGraw-Hill Education, New York. 						