

**Matrixes of Relationship between ILO-Course Module  
Bachelor of Animal Science (BAS) Programme**

No.	Domain	Intended Learning Outcome
ILO 1	Attitude	Believing in one God based on Pancasila, social justice and integrity.
ILO 2	Attitude	Contributing to the escalation and development of quality of life locally and globally.
ILO 3	Attitude	Developing awareness of Animal welfare and halal issue.
ILO 4	Knowledge	Capability to develop knowledge and comprehensive mindset based on Animal science and industry.
ILO 5	Knowledge	Capability to analyse the development and implementation of technology through humanities, ethical and scientific value as to provide appropriate solutions and ideas.
ILO 6	Knowledge	Proficient in biology, physiology, animal nutrition, breeding, farm management, and implementation in Animal Science.
ILO 7	Skill (General)	Capability to perform an independent, standardized, measurable, effective, efficient and sustainable work.
ILO 8	Skill (General)	Capability to perform effective team work and a self-evaluation.
ILO 9	Skill (General)	Capability to effectively communicate the thought, concept, implementation and analysis in oral and written form, nationally and internationally
ILO 10	Skill (General)	Actively contributing in the learning process and discussion
ILO 11	Skill (General)	Demonstrating good capability to be independent and to work in team as to identify and analyse problems.
ILO 12	Skill (Specific)	Capability to ethically design and perform experiments, analyze and interpret data as to provide sustainable problem solving in Animal Science
ILO 13	Skill (Specific)	Capability to implement technology in Animal Science to increase productivity, efficiency, quality and sustainability based on breeding, nutrition, processing, management as well as to organize an entrepreneurship concept and a sustainable production system



	Animal Reproductio	3	5.10						M	H			L			
	Basic Technology of Animal Products	3	5.10				H						M	L		
4	Applied Statistics and Experimental Design	3	5.10				M							L	H	
	Research Methodology and Scientific Writing	3	5.10					L					H		M	
	Science and Technology of Feed Stuff	3	5.10					M							L	H
	Extensions	3	5.10		M		H					L				
	Livestock Production Economics	3	5.10				M			H						
	Integrated Farming Systems	3	5.10						H	M						L
	Reproduction and Artificial Insimation Management	3	5.10					L	M							H
	Animal Product Handling	3	5.10				H						M	L		
5	Animal Product Technology	3	5.10					H						M		L
	Ruminants Production Management	2	3.40			L					M					H
	Non-ruminant production Management	2	3.40			M								H		L
	Quality Control and Assurance	3	5.10					L	M	H						
	Animal Breeding	3	5.10				L		M				H			

	Animal Product Marketing	3	5.10				H			M					
	Agribusiness Management	3	5.10				L			M					H
	Entrepreneurship	3	5.10								L		M		H
6	Epidemiology	3	5.10				L						H	M	
	Animal Breeding Management	2	3.40			M									H
	Animal Feed industry	3	5.10				L							H	M
	Farm Waster Management	3	5.10						L					M	H
	<b>Elective subject 1</b>	3	5.10					L					M		H
	<b>Elective subject 2</b>	3	5.10					L					M		H
	<b>Elective subject 3</b>	3	5.10					L					M		H
7-8	Field Paractice	4	6.8			L	H	M							
	Thesis	6	10.2			L							H		M