Module Descriptions

A **module** is a self-contained **learning unit** within a higher education program that includes thematically related courses and is assigned a **fixed number of credits**. It follows specific **learning objectives**, includes an **assessment component**, and contributes to achieving the qualifications of a degree program. In some countries, “modules” are also named “courses”.

Please provide a module description for each module. In addition to the compulsory and elective modules, this also includes credited internships and the final thesis.

Please summarize all module descriptions in one document (Module Handbook) and create a table of contents so that the modules can be found easily.

<table>
<tr><td>Module designation</td><td>Animal Livestock Production</td></tr>
<tr><td>Semester(s) in which the module is taught</td><td>Odd</td></tr>
<tr><td>Person responsible for the module</td><td>Suhandoyo, MS</td></tr>
<tr><td>Language</td><td>Indonesian language</td></tr>
<tr><td>Relation to curriculum</td><td>Elective subject</td></tr>
<tr><td>Teaching methods</td><td>lecture, project, case study, seminar, examination</td></tr>
<tr><td>Workload (incl. contact hours, self-study hours)</td><td>Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.</td></tr>
<tr><td>Credit points</td><td>2 SKS (3.2 ECTS)</td></tr>
<tr><td>Required and recommended prerequisites for joining the module</td><td>-</td></tr>
<tr><td>Module objectives/intended learning outcomes</td><td>PLO-2</td></tr>
<tr><td>Content</td><td>This course mainly develops science and skills (MKK) in animal reproduction technology including reproduction technology in aquatic animals, artificial insemination, embryo transfer, in vitro fertilization, genetic cloning and reproductive bioethics.</td></tr>
<tr><td>Examination forms</td><td>Test, rubrics, and presentation</td></tr>
<tr><td>Study and examination requirements</td><td>Requirements for successfully passing the module
The final mark will be weight as follow:
<table><tr><td>NO</td><td>Assessment Techniques</td><td>Percentage Weight</td><td>Information</td></tr></table></td></tr>
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		Assessment (%)	
1	Cognitive	50	Maximum assessment weight accumulation 50%
	Presence	5	
	Task	5	
	Quiz	10	
	Mid-semester exams	15	
	Final Semester Exam	20	
2	Participatory	50	Maximum assessment weight accumulation 50%
	Case study	25	
	Team Base Project	25	
	Total	**100**	

Reading list	A. Brackett, BG; Seidel JR, GE and Seidel, SM. 2012. New Technologies In Animal Breeding. Academic Press, New York. B. Brown, TA. 2020. Genes Cloning, an Introduction 8th Ed. Van Nostrand Reinhold (UK) Co. Ltd. England. C. D. Chauduri, H. 1976. Journal of Fisheries Research Board of Canada. Use of Hormones in Induced Spawning of Carps. Vol. 33 No. 4, Pt.2. D. E. Croocks, R and Baur, K. 2016. Our Sexuality. 13th Edition. The Benyamin / Cummings Publishing Company, Inc; California. E. F. Hafez, ESE. 1970. Reproduction and Breeding Techniques for Laboratory Animals. Lea & Febiger, Philadelphia. F. Hafez, ESE. 2013. Reproduction in Farm Animals 7th. Lea and Febiger, Philadelphia. G. H. Hoar, WS; Randall, DJ and Donaldson, EM (Eds). 1983. Fish Physiology. Vol. IX. Reproduction, Part B : Behavior and Fertility Control. Academic Press, Inc. Toronto. H. Muir, JF and Robert, RJ. 1985. Recent Advances in Aquaculture. Vol. 2. Westview Press, Boulder. Colorado. I. J. Shelton, JN; Tromson, AO; Moore, NW and James, JW (Eds). 1982. Embryotransfer in Cattle, Sheep and Goats, Papers of A Symphosium held at Canberra, Australia, May 1981. Union Offset Company Pty. Ltd; 20 Pirie Street, Fyshwick, ACT. J. K. Susanto, H. 1992. Budidaya Kodok Unggul. Penebar Swadaya, Jakarta. K. L. Toelihere, MR. 1981. Inseminasi Buatan pada Ternak. Penerbit Angkasa, Bandung