

Module Handbook

Modul Name	Lecture of Physiology and Technology of Reproduction
Modul Level	6 (Bachelor)
Abbreviation, if applicable	BIR201
Sub-heading, if applicable	-
Courses included in the module, if applicable	-
Semester/term	6/3
Module coordinator(s)	Prof.Dr. Ismudiono, drh., MS.
Lecturer(s)	<ol style="list-style-type: none"> 1. Prof. Dr. PudjiSrianto, drh.,M.Kes. 2. Prof. Dr. Sri PantjaMadyawati, drh.,M.Si. 3. Dr. Abdul Samik, drh.,M.Si. 4. Dr. Erma Safitri, drh., M.Si. 5. Prof. Dr. Suherni Susilowati, drh., M.Kes. 6. Dr. Tatik Hernawati, drh., M.Si. 7. Dr. Tri Wahyu Suprayogi, drh., M.Si. 8. Dr.Trilas Sardjito, drh., M.Si.
Language	Bahasa Indonesia and English
Classification within the curriculum	Compulsory/ elective course
Teaching format/class hours per week during the semester	3 class hour lecture (3 x 170 minutes lecture) x 14 weeks
Workload per semester	520 minutes lecture is divided into 150 minutes face to face interaction, 150 minutes structured activities and 210 minutes independent study
Credit points	3 (~4.53 ECTS)
Requirements	Veterinary Anatomy; Veterinary Physiology
Learning goals/competencies	Students are able to apply physiology and technology of reproduction in livestock, poultry, dogs and cats and artificial insemination techniques, estrous synchronization, superovulation and embryo transfer in livestock
Content	Physiology and technology of reproduction courses are held face-to-face and practical for one semester. In a face-to-face discussion of reproductive history and ways of breeding animals, anatomy and physiology of livestock genitals, poultry, dogs and cats, semen collection techniques, semen and sperm characteristics, semen processing and preservation techniques, reproductive endocrine, reproductive cycle in cattle, anatomy and udder gland physiology, birth physiology

	in livestock, pregnancy physiology in livestock, artificial insemination techniques, estrous and superovulation techniques and embryo transfer. At the end of the lecture, mastery of the material was evaluated by multiple choice exams and descriptions.
Softskills attribute	Ethics, oral and written communication, cooperation, self-confidence.
Study/exam achievements	Final exams (33.3%), midterm exam (22.2%), assignment (16.7%) and quizzes (16.7%), soft skill (11.1%).
Forms of media	Computer, computer projector, white board, AULA (Airlangga University e-Learning Application)
Literatures	<ol style="list-style-type: none"> 1. Hafez, E.S.E., 2000. Reproduction in Farm Animals, 7th Edition. Lea and Febiger Philadelphia 2. Ismudiono, P. Srianto, H. Anwar, S.P. Madyawati, A.Samikdan E. Safitri, 2010. Buku Ajar Fisiologi Reproduksi pada Ternak, Airlangga University Press, Surabaya 3. Hardijanto, S. Susilowati, T. Hernawati, T. Sardjitodan T.W. Suprayogi. 2010. Buku Ajar Inseminasi Buatan. Airlangga University Press, Surabaya. 4. Hardijanto, S. Susilowati, T. Hernawati, T. Sardjitodan T.W. Suprayogi. 2010. Buku Ajar Inseminasi Buatan. Airlangga University Press, Surabaya. 5. Partodihardjo, 1992. Ilmu Reproduksi Hewan. Penerbit Mutiara, Jakarta. 6. Hariadi, M., Hardjopranjoto, Wurlina, H.A.Hermadi, Rimayanti, B.Utomo, I.N.Triana, dan H.Ratnani, 2013. Buku Ajar Ilmu Kemajiran Pada Ternak. Airlangga University Press, Surabaya.
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