



FACULTY OF ANIMAL AND AGRICULTURAL SCIENCE

VETERANITY UNDERGRADUATE PROGRAM

Module Handbook

Module designation	Dairy Management
Semester(s) in which the module is taught	5 th Semester
Person responsible for the module	Ir. Rudy Hartanto, S.Pt., M.P., Ph.D.,IPM.; drh. Dian Wahyu Harjanti, Ph.D.; Edi Prayitno, S.Pt., M.Si.; Dr. Ari Prima, S.Pt., M.Si.
Language	Indonesian, English
Relation to curriculum	Compulsory module for Animal Science Program
Teaching methods	Lecture, small group discussion, Problem based learning
Workload (incl. contact hours, self-study hours)	<ul style="list-style-type: none"> ✓ 340 minutes Lecture per week (class 100 minutes; Assignment 120 minutes; 120 minutes self study) ✓ 340 minutes Laboratory session ✓ 100 minutes Mid Term Exam in the eighth and Final Exam in the sixteenth week
Credit points	4 (lecture 2 and laboratory session 2)
Required and recommended prerequisites for joining the module	Dairy Production
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> ✓ able to specify the principles of managing a dairy farm ✓ able to evaluate the management of dairy livestock production according to applicable standards with animal welfare to produce "ASUH" milk for sale ✓ able to qualify in terms of economics, livestock productivity and quality products that are ready to be marketed.
Content	This course discusses the prospects and development of dairy livestock in Indonesia and abroad; dairy livestock management; feeding management; housing management and sanitation; management of recording and replacement stock as well as planning and development of dairy farming on both the small-holding and industrial-scale; milking and milk handling management that meets industry quality standards.
Examination forms	Paper assignment; Self-study; Midterm exam; Final exam
Study and examination requirements	<ul style="list-style-type: none"> ✓ 75 % presence in the learning process ✓ 25 % midterm examination ✓ 25 % final examination ✓ 50 % (lab works; assignment;presentation)

Reading list

1. Ensminger. 1995. Dairy Cattle Science. The Interstate Publisher Inc. Denville, Illinois.
2. Britz, TJ and R K Robinson. 2008. Advanced Dairy Science and Technology. Blackwell Publishing Ltd., UK.
3. Bath, et al. 1985. Dairy Cattle : Principle Practice Problem and Profits. 2nd ed. Lea and Fibiger, Philadelphia.
4. Anderson R.R., et al. 1985. Lactation. The Iowa State University Press, Iowa.
5. Hernandes, CT. 2013. Dairy Cows: Reproduction, Nutritional Management, and Diseases. Nova Publisher, New York.
6. NRC. 2001. Nutrient Requirement of dairy Cattle. 1st ed. National Academic Press, Washington DC.
7. Wisnu Murti, T. 2013. Ilmu Manajemen dan Industri Ternak Perah. Pustaka Reka Cipta, Bandung.