


COURSE LEARNING PLAN

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|  | UNIVERSITY OF BRAWIJAYA FACULTY OF ANIMAL SCIENCE DEPARTMENT OF ANIMAL SCIENCE UNDERGRADUATE STUDY OF ANIMAL SCIENCE LESSON PLAN: ANIMAL BEHAVIOR | | | |
| Course | Code | Weight (credits) | Semester | Compilation Date |
| ANIMAL BEHAVIOR | PEP60017 | 3 (2-1) credits | 2 | August 27, 2020 |
| Authorization | Course Coordinator | | Head of Undergraduate Study Program of Animal Science | Vice Dean 1 |
| | Dr. Ir. Sri Minarti, MS, IPM, ASEAN Eng | | Dr. Herly Evanuarini, S.Pt, MP | Dr. Ir Halim Natsir, MP, IPM, ASEAN Eng |
| Learning Outcomes (LO) | LO | | | |
| | 1. LO 1 Able to apply Biological Science, Physiology, Nutritional Science, Breeding Science, and Livestock Farming Management to comprehend the concept and implement it in the field of animal science. | | | |
| | 2. LO 3 Demonstrate attitudes of friendly and caring about animal welfare and permissible (halal) consumption | | | |
| | 3. LO 4 Able to develop comprehensive insight and mindset according to the science and field of the animal industry | | | |
| | CLO | | | |
| | After completing this course the students are: 1. Able to explain the characteristics of animal behavior 2. Able to explain the animal basic behavior, including social behavior, agonistic behavior, fulfillment of nutritional requirements, comfort behavior, and response to the environment. 3. Able to design the animal care and treatment, and raise livestock based on natural behavior and animal welfare. | | | |
| Brief Course Description | This course discusses the behavioral traits and characteristics of various livestock as well as the basic concepts of raising and handling them including developmental behavior, fulfillment behavior, social behavior, comfort behavior, reproductive behavior, parental behavior, abnormal behavior, and how to handle (handling) related to behavior in the livestock business management based on animal welfare. | | | |
| Topics | 1. Introduction to Animal Behavior Course/ Semester Lesson Plan (RPS) 2. Animal Traits and Behaviors 3. Developmental Behavior | | | |

| | | 4. Fulfillment of Nutritional Requirements behavior 5. Social Behavior 1 6. Social Behavior 2 7. Eliminative Behavior 8. Comfort Behavior 9. Male Reproductive Behavior 10. Female Reproductive Behavior 11. Parental Behavior 12. Environmental Response Behavior 13. Basic Concepts and Techniques for Handling Livestock 14. Animal Welfare | | | | |
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| References | | 1. X. Manteca, E. Mainau, and D. Temple. 2012. What is Animal Welfare? The Farm Animal Welfare Fact Sheet. No 1/June 2012. 2. Altınçekiç S. O., and Koyuncu M., 2012. Small Ruminant Behaviour and Welfare. Professional Paper. | | | | |
| Learning Media | | Software | Hardware | | | |
| | | - PowerPoint - Videos - Google Classroom | - LCD - White Board | | | |
| Teaching Team | | 1. Dr. Ir. Sri Minarti, MP, IPM. ASEAN Eng 2. Prof. Dr. Ir. Nur Ihsan, MS 3. Dr. Ir. Kuswati, MS, IPM, ASEAN Eng 4. Dr. Ir. Tri Eko Susilorini, MP, IPM, ASEAN Eng 5. Dr. Ir. Nurul Isnaini, MS 6. Dr. Ir. Sri Wahyuningsih, M.Si 7. Dr. Ir. Edhy Sudjarwo, MP 8. Dr. Ir. Muharlien, MS 9. Dr. Dyah Lestari Yulianti, S.Pt. MP 10. Ir. Trianti Djohari, M.Agr.St 11. Wike Andre Septian, S.Pt, M.Si | | | | |
| Prerequisite course | | - Biology | | | | |
| Week (s) | Sub-Course Learning Outcomes (SCLO) | Indicators | Learning Materials/ Topics | Learning Methods | Criteria & Form of Assessment | Scoring Weight (%) |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

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| 1 | | <ul style="list-style-type: none"> - Able to understand the lecture material and methods used | Introduction <ul style="list-style-type: none"> – Introduction – Introduction to Semester Lesson Plan (RPS) | Lecture and Discussion | | Structured assignments 10% Practicum 30% Midterm exam 30% Final exam 30% |
| 2 | CLO 1 | <ul style="list-style-type: none"> - Able to explain the animal motivation and emotions - Able to explain the response to learning | Animal Traits and Behaviors <ul style="list-style-type: none"> – Motivation – Emotion – Response to learn | Lecture and Discussion | Test/exam | |
| 3 | CLO 1 | <ul style="list-style-type: none"> - Able to explain orientation behavior - Able to explain the intelligence behavior - Able to explain exploratory behavior | Developmental Behavior <ul style="list-style-type: none"> – Orientation Behavior – Intelligence Behavior – Exploratory Behavior | Lecture and Discussion | Test/exam | |
| 4 | CLO 2 | <ul style="list-style-type: none"> - Mampu menjelaskan tingkah laku pemenuhan kebutuhan nutrisi ternak | Fulfillment of Nutritional Requirements behavior <ul style="list-style-type: none"> - Food - Drinks | Lecture and Discussion | Test/exam | |
| 5 | CLO 2 | <ul style="list-style-type: none"> - Able to explain communication behavior - Able to explain agonistic behavior - Able to explain the animal social structure | Social Behavior I <ul style="list-style-type: none"> – Communication Behavior – Agonistic Behavior – Animal Social Structure | Lecture and Discussion | Test/exam | |
| 6 | CLO 2 | <ul style="list-style-type: none"> - Able to explain the relationship between social behavior and productivity - Able to implement social behavior theory in raising management | Social Behavior II <ul style="list-style-type: none"> – Hubungan Tingkah Laku Sosial dengan Produktivitas – Implementasi Teori Tingkah Laku Sosial pada Manajemen | Lecture, discussion, practicum | Test/exam, structured assignments, observation of practical performance in laboratory/classroom | |

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| 7 | CLO 2 | - Able to explain animal eliminative behavior | Eliminative Behavior | Lecture and Discussion | Test/exam |
| 8 | MIDTERM EXAM | | | | |
| 9 | CLO 2 | <ul style="list-style-type: none">- Able to explain the characteristics of comforting the body- Able to explain types of comforting behavior (grooming, thermoregulatory, comfort-seeking, rest, and sleep) | Comfort Behavior <ul style="list-style-type: none">– Characteristics of Comforting the BodyTypes of Comforting Behavior<ul style="list-style-type: none">• Grooming• Thermoregulatory• Comfort Seeking• Rest and Sleep | Lecture and Discussion | Test/exam |
| 10 | CLO 2 | <ul style="list-style-type: none">- Able to explain the libido behavior- Able to evaluate the quality of libido through behavior | Male Reproductive Behavior <ul style="list-style-type: none">- Libido Behavior- Evaluation of Libido Quality through Behavioral Observation | Lecture, discussion, practicum | Test/exam, structured assignments, observation of practical performance in laboratory/classroom |
| 11 | CLO 2 | <ul style="list-style-type: none">- Able to explain the behavior of estrus- Able to evaluate the quality of estrus through behavior | Female Reproductive Behavior <ul style="list-style-type: none">– Behavior of Estrus– Evaluation of Estrus Quality through Behavioral Observation | Lecture, discussion, practicum | Test/exam, structured assignments, observation of practical performance in laboratory/classroom |
| 12 | CP MK-2 | <ul style="list-style-type: none">- Able to explain behavior before and during childbirth- Able to comprehend factors that affect the life of animal babies and strategies to improve life skills after birth | Parental Behavior <ul style="list-style-type: none">– Parent Behavior Before and After Childbirth– Parent Behavior of Licking Child– Placenta Cleansing Behavior | Lecture and Discussion | Test/exam |

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| | | | <ul style="list-style-type: none"> – Parental Behavior Protects their baby animals | | | |
| 13 | CLO 2 | <ul style="list-style-type: none"> - Able to explain response behavior in a hot environment - Able to explain response behavior in a cold environment - Able to explain the behavior of sick cattle | Environmental Response & Stress Behavior <ul style="list-style-type: none"> – Behavior Response to Hot Environment – Behavior Response to Cold Environment – Behavior of Sick Animals | Lecture and Discussion | | |
| 14 | CLO 3 | <ul style="list-style-type: none"> - Able to explain basic concepts in handling livestock in accordance with the goals of animal welfare - Able to carry out livestock handling practices | Basic Concepts and Techniques for Handling Animals <ul style="list-style-type: none"> – Basic Concepts of Handling Large Animals – Basic Concepts of Handling Small Animals – Animal Behaviour as Related to Handling Facilities Design <ul style="list-style-type: none"> • Equipment Design • Pen Dimensions (Cage) – Group Handling Strategies | Tutorial (lecture) Discussion, Practicum | Test/exam, structured assignments, observation of practical performance in laboratory/classroom | |
| 15 | CLO 3 | <ul style="list-style-type: none"> - Able to explain the principle of animal freedom - Able to evaluate appropriate management practices in accordance with animal welfare | Animal Welfare <ul style="list-style-type: none"> – The Five Freedoms Principle – Assessment of Overall Animal Welfare – Animal Welfare Procedure Quality Criteria and Principles | Tutorial, Discussion, Practicum | Test/exam structured assignments, observation of practical performance in laboratory/classroom | |

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| 16 | FINAL EXAM | |
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