COMMON COURSE OUTLINE: Course discipline/number/title: EQSC 1106: Equine Reproduction

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 2 lecture, 1 lab
3. Prerequisites (Course discipline/number): EQSC 1100 and EQSC 1101
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course introduces the student to the management of the breeding stallion, reproducing mare, and newborn foal. This course involves anatomy and endocrinology of the reproductive system, insemination of the mare, spermatogenesis, behavior management, cooled semen and frozen semen techniques. RECOMMENDED ENTRY SKILLS/KNOWLEDGE: High school diploma or GED, Grade of C or better in the following courses; EQSC 1100, EQSC 1101, and EQSC 1103.

B. DATE LAST REVISED (Month, year): October, 2004

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Basics of reproductive system and behavior in the stallion and mare
2. Nutritional and exercise needs of the reproducing horse
3. Evaluation of reproductive soundness
4. Conception and gestation period
5. Prenatal and postnatal care for the mare and foal
6. Management of the newborn foal
7. Various breeding techniques (natural, AI by cooled or frozen semen, and embryo transfer)
8. Proper handling of the breeding stallion

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Identify and discuss the equine reproductive system.
2. Identify nutritional needs and care of the stallion and pregnant mare.
3. Explain reproductive soundness examination of mare and stallion.
4. Describe the gestation period and behavior of a cycling mare.
5. Describe the behavior and handling techniques of the breeding stallion.
6. Identify the care of the pregnant mare before and after foaling.
7. Demonstrate care of the newborn foal.
8. Understand various breeding techniques.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
Methods may include any of the following:
1. Reports, quizzes, tests
2. Practical demonstrations
3. Oral discussion and question and answer sessions
4. Group work or team projects
5. Course assignments
6. Essay tasks
7. Attendance

G. RCTC CORE OUTCOME(S) ADDRESSED:
- Communication
- Critical Thinking
- Global Awareness/Diversity
- Civic Responsibility
- Personal/Professional Accountability
- Aesthetic Response
H. SPECIAL INFORMATION (if any):
Working with horses involves inherent risks, which the student assumes while enrolled in the course. The laboratory component of this course includes trips to nearby farms, for which the student is expected to provide his/her own transportation, and additional time spent at the college stable, completing assignments.