



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – WINTER 2018

AH601 INTRODUCTION TO ARTIFICIAL INSEMINATION LARGE ANIMAL – 1 (9-0-9) 36 HOURS 2 WEEKS

INSTRUCTOR:	Christy Barlund, DVM	PHONE:	(780) 835-6701
OFFICE:	ANIMAL SCIENCE BUILDING FAS 144 Lab FAS 145 Lecture	E-MAIL:	aht@gprc.ab.ca
OFFICE HOURS:	As posted		

PREREQUISITE(S)/COREQUISITE:

- Must be registered in the GPRC Animal Health Technology Program
- Participants must be accustomed to cattle handling

REQUIRED TEXT/RESOURCE MATERIALS:

- The *Alberta Breeders Service A.I. Management Manual*
- Registrants are expected to bring their own protective clothing (coveralls, rubber boots, gloves, etc.).

CALENDAR DESCRIPTION:

This course will discuss and practice techniques of Artificial Insemination in cattle. Basic anatomy and procedures will be covered. Intended for private use.

CREDIT/CONTACT HOURS:

1 (9-0-9) 2 weeks, 30 Hours

DELIVERY MODE(S):

Lab & Lecture

OBJECTIVES:

- Learn about cow reproductive tracts and the estrous cycle
 - Heat Detection, Heat Detection Aides, Synchronization
- Explain and demonstrate AI technique as a means to increase fertility
- Explain basic genetic improvement of livestock sire and dam selection
- Explain basic disease control mechanisms
- Nutrition and its effect on Reproduction
- Introduction to Semen Tank
- Options to decrease breeding expense and factors that affect AI success

GRADING CRITERIA:**GRADING CONVERSION CHART for ANIMAL HEALTH TECHNOLOGY**

OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100	C+	2.3	67-69
A	4.0	85-89	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	FAIL	1.3	55-59
B	3.0	73-76	FAIL	1.0	50-54

EVALUATIONS:

Mark Distribution	
A. PARTICIPATION	70%
B. FINAL EXAM	30%
	100%

STUDENT RESPONSIBILITIES:

Enrolment at GPRC assumes that the student will become a responsible citizen of the College. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the College Policy on Student Misconduct: Plagiarism and Cheating at https://www.gprc.ab.ca/files/forms_documents/Student_Misconduct.pdf

****Note:** all Academic and Administrative policies are available at <https://www.gprc.ab.ca/about/administration/policies/>

COURSE SCHEDULE/TENTATIVE TIMELINE:

- February 1 – 2 2018
- March 6 – April 27 2018

YEAR: WINTER 2018
