



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2018

AH 340 ANESTHESIOLOGY – 3 (3.5-0-0) 56HOURS

16 Weeks

INSTRUCTOR:	Dr. Susan Klassen, DVM	PHONE:	(780) 835-6633
OFFICE:	AS 141	E-MAIL:	sklassen@gprc.ab.ca
OFFICE HOURS:	As posted		

CALENDAR DESCRIPTION:

Instruction on the commonly used anesthetic agents will include their modes of action, human health implications and WHMIS considerations. Students will learn to perform a pre-anesthetic work up, calculate and administer pre-anesthetics, induce and maintain general anesthesia using different agents, techniques and systems. Monitoring of patients includes recognition of anesthetic stages and proper use of monitoring devices. Appropriate responses to anesthetic complications and emergencies will be covered. Appropriate analgesics and analgesic protocols will be discussed.

PREREQUISITE(S)/COREQUISITE: new

- Must be registered in the GPRC Animal Health Technology Program
- AH 141, AH 174, AH 240, AH 242, AH 246, AH249

REQUIRED TEXT/RESOURCE MATERIALS:

- Bassert et.al., McCurnin’s Clinical Textbook for Veterinary Technicians
- Thomas J.A. and Lerche P., Anesthesia & Analgesia for Veterinary Technicians, Mosby Elsevier, 2011 (*recommended but not required*)

DELIVERY MODE(S):

Lecture. Students will obtain and be evaluated on practical competencies in anesthesia in Clinical Procedures I & II labs.

TRANSFERABILITY: (if applicable)

A list of institutions to which this course transfers (For example: UA, UC, UL, AU, GMU, CU, CUC, KUC. Please note that this is a sample and it must be replaced by your specific course transfer)

*Warning: Although we strive to make the transferability information in this document up-to-date and accurate, the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities. Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page <http://www.transferalberta.ca> or, if you do not want to navigate through few links, at <http://alis.alberta.ca/ps/tsp/ta/tbi/onlineSearch.html?SearchMode=S&step=2>

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

(The following criteria may be changed to suite the particular course/instructor)

Please note that most universities will not accept your course for transfer credit IF your grade is less than C-.

EVALUATIONS:

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
B-	2.7	70-72	WF	0.0	00-49

EXAMINATIONS	Mark Distribution
A. Quizzes & Assignments	35%
B. Midterm Exam	30%
C. Final Exam	35%
	100%

* A minimum of 60% must be obtained in order to successfully pass AH340. If a student misses a quiz without prior notification and without a valid reason, a mark of zero will be assigned for that quiz. Late assignments not accepted. Any material handed in to an instructor must be in blue or black pen, no white out, medical corrections only.

Midterm and final exams will not be available for viewing after being written, and quizzes may or may not be available for review once marked.

COURSE SCHEDULE/TENTATIVE TIMELINE:

- Units 1&2 **Introduction and Pre-anesthetic period**
On completion of this unit, students will be able to discuss and describe the types of anesthesia, and apply the components of the preanesthetic period.
- Unit 3 **Pre-anesthetic Drugs**
On completion of this unit, students will be able to identify various drugs used before anesthesia and their properties and side effects, and apply this information in labs.
- Unit 4 **General Anesthesia**
On completion of this unit, students will be able to discuss and describe stages and planes of general anesthesia, and how to accomplish these in practical situations.
- Unit 5 **Injectable Anesthesia**
On completion of the unit, students will be able to describe and perform various types of injectable anesthesia on a patient, and be familiar with the drugs used.
- Unit 6 **Inhalational Anesthesia**
On completion of this unit, students will be able to discuss and describe inhalation anesthesia and components thereof, and be able to apply this information to live patients in lab.
- Unit 7 **Inhalation Agents**
On completion of this unit, students will be able to identify and describe agents used in inhalation anesthesia and their advantages and disadvantages.

- Unit 8 **Pain Management and Analgesia**
On completion of this unit, students will be able to identify and describe the methods of pain management and drugs used for this purpose, and the necessity for analgesia.
- Unit 9 **Large Animal Anesthesia**
On completion of this unit, students will be able to describe and discuss specific methods of anesthesia used in large animals and the requirement for these methods.
- Unit 10 **Anesthetic Emergencies**
On completion of this unit, students will be able to discuss possible anesthetic emergencies, their causes and their treatments, and be able to apply this information to live patients.

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:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <http://www.gprc.ab.ca/about/administration/policies/>

**Note: all Academic and Administrative policies are available on the same page.

YEAR: 2018

