



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – WINTER 2020

AH 441 DENTAL PROCEDURES – 1.5 (2-0-1.5) 42 HOURS

12 Weeks

INSTRUCTOR:	Tiffany Duncan	PHONE:	780-835-6779
OFFICE:	FAS 142	E-MAIL:	tduncan@gprc.ab.ca
OFFICE HOURS:	As Posted		

CALENDAR DESCRIPTION:

Students are expected to use proper dental terminology and identify normal tooth anatomy, function, eruption and dental formula. Students learn to instruct clients on dental home care procedures. Common dental problems and diseases are covered with emphasis on small animal and equine patients. Proper use, care and maintenance of dental equipment is covered. Principles of dental radiography are discussed. Proficiency in basic dental prophylaxis will be developed using live animals and cadavers.

PREREQUISITE(S)/COREQUISITE:

- Must be registered in the GPRC Animal Health Technology Program
- AH141, AH24, AH340, AH342, AH343, AH345, and AH348

REQUIRED TEXT/RESOURCE MATERIALS:

- *Steven E. Holmstrom, Veterinary Dentistry-A Team Approach Third Addition, 2019*
- *McCurnin's Clinical Textbook for Veterinary Technicians, Ninth Edition*

DELIVERY MODE(S):

Lab

Lecture

COURSE OBJECTIVES/LEARNING OUTCOMES:

A. Dental Instruments. Upon completion of this unit, students will be able to:

- Identify and use common hand instruments used in small animal dentistry.
- Identify and use power instruments used in small animal dentistry.
- Discuss and perform maintenance on hand instruments and power instruments.

B. Oral Anatomy of Dogs and Cats. Upon completion of this unit, students will be able to:

- Define and discuss anatomical structures of the canine and feline mouth.
- Discuss and apply dental numbering systems
- Define and discuss dental abnormalities

C. Dental Prophylaxis. Upon completion of this unit, students will be able to:

- Describe steps in performing a dental prophylaxis on the canine and feline patient.
- Apply theory of dental prophylaxis to the canine and feline patient.
- Utilize a dental chart.
- Discuss personal and patient safety.
- Discuss home care of the canine and feline dental patient.

D. Dental Radiology. Upon completion of this unit, students will be able to:

- Discuss and apply dental radiology to the canine and feline patient.

E. Dentistry in other species. Upon completion of this unit, students will be able to:

- Discuss dentistry in the Equine patient
- Discuss dentistry in Rabbits and Rodents

F. Nerve Blocks. Upon completion of this unit, students will be able to:

- Define and discuss applications of common nerve blocks in the canine and feline patient.

Student Equipment and Supplies:

- Appropriate lab attire: Scrubs
- Watch with a second hand
- Shoes with a covered toe and heel
- Stethoscope

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:

A passing grade in the course is a minimum of 60%. Quizzes can be held without prior notification. Deduction are as per the instructor’s discretion.

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.	Lecture Assignments		10%
B.	Lecture Quizzes		15%
C.	Lecture Midterm		20%
D.	Lecture/Lab Final Exam	30% Lecture/25% Lab	
			100%

*A minimum of 60% must be obtained in order to successfully pass AH 441.

COURSE SCHEDULE/TENTATIVE TIMELINE:

As posted

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.

ADDITIONAL INFORMATION:

Attendance is mandatory at all laboratory sessions; valid reason for absence is required. For your safety, the safety of others and the safety of the animals there will be zero tolerance of anyone showing up for the laboratory sessions under the influence of alcohol or other medications which may cause physical impairment or disruptive behavior.

Any student wishing to see a marked quiz or midterm must make an appointment with the instructor to view or go over. Final exams are not available to be viewed by a student.

Deductions for AH 441 are based on the below deduction guideline. Any deductions that accumulate throughout this course will be taken off the final grade achieved in AH 441.

Pass Requirements and Deductions for AHT Program

Another copy of this table is located in your competency checklist booklet

Reason	Deduction
Absent from Lab or Lab and Clinic with no notification (no valid excuse). Refer to course outline	5% first offence, 10% for second and following offences.
Excused from Lab/Clinic (attitude, affected judgment, etc)	5-10%
Breach of Code of Conduct or Academic Guidelines	1-5% or incomplete for the course
Sanitation Lapse	0.5%-1% per lapse in procedure
Sanitation no show (Outside of Clinic)	5% per sanitation session
Inappropriate Attire	0.5%
Late for Clinic less than 15 minutes	1%
Late for Clinic 15-45 minutes	5% partial day increase to 10% after 1pm
Medical record not completed	2%
Medical record completed improperly	0.5%
Log books not completed	2%
Poor attitude (if not leading to being excused)	3%
Inappropriate communication	3%
Failure to prep patient for next day	10%
Feeding of animal for surgery that day	5%
This is not a limiting list. Additional deductions may be possible and are at the discretion of the supervisor.	0.5-5%
Missed food/water/litter/kennel sanitation	5%
Missed Treatment	3%
Unprepared for lab (worksheets, workstations, required readings)	1-3%
Inappropriate behaviour or care resulting in unethical treatment of animal(s) (physical abuse, neglect of animal husbandry, etc).	Incomplete in course

YEAR: 2019

