



DEPARTMENT OF ANIMAL SCIENCE
COURSE OUTLINE – WINTER 2021
AH 441 DENTAL PROCEDURES – 1.5 (2-0-1.5) 42 HOURS
12 Weeks

INSTRUCTOR: **Kristy Honing**
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OFFICE Posted, as Faculty working from Offices or at Home
HOURS: during Winter 2021 Semester.

WINTER 2021 DELIVERY:

Mixed Delivery – Remote and Onsite. This course is delivered remotely with some face-to-face/onsite components at the GPRC *Fairview* campus.

- For the remote delivery components: students must have a computer with a webcam and reliable internet connection. Technological support is available through helpdesk@gprc.ab.ca.
- For the onsite components: students must supply their own mask [and/or face shield] and follow [GPRC Campus Access Guidelines and Expectations](#).

Note: GPRC reserves the right to change the course delivery.

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 Edition, 2019

DELIVERY MODE(S):

Lab

Lecture

MIXED USING D2L global software for Lecture purposes. The Brightspace learning management system, which is a cloud-based software used by GPRC, for online and blended classroom learning.

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:

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page <http://www.transferalberta.ca>.

**** 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**

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	20%
C. Lecture Midterm	15%
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.

Note: The quizzes/midterm examination(s)/final examination for this course may be taken online with the use of Respondus Lockdown Browser and Respondus Monitor exam proctoring software. Students must download Lockdown Browser and Respondus Monitor will automatically start with quizzes/examinations through myClass. The proctoring software is a requirement to uphold academic integrity and is necessary to meet accreditation requirements.

Lockdown Browser and Respondus Monitor requires Windows or Mac desktop, laptop, or iPad platforms. Chromebooks, smart phones, and other tablets are not supported. If you do not have access to a Windows or Mac desktop, laptop or iPad, you can book a College PC via the GPRC App -> On-campus Reservations.

You can learn more about Respondus Lockdown Browser and Respondus Monitor here:

<https://web.respondus.com/lockdownbrowser-student-video/>. It is important to note that the software recordings are automated systems and are designed to be less intrusive than in-person proctors. The software is only running while you are signed in during your exam. The exam administrators only review the recordings after the exam is submitted and only if it was flagged due to suspicious activity. The collection and use of your personal information is in accordance with the Freedom of Information and Protection of Privacy (FOIP) Act S. 33 (c) which states that “No personal information may be

collected by or for a public body unless that information relates directly to and is necessary for an operating program or activity of the public body.” In addition S. 39 (4) states, “A public body may use personal information only to the extent necessary to enable the public body to carry out its purpose in a reasonable manner.”

If you are unable to complete your quizzes/examinations using the proctoring software you may request alternative accommodations to the online testing by contacting your instructor and the GPRC Testing Centre by telephone at 780-539-2212 to arrange to write your exam. Students must book their quizzes/examinations no less than 2-weeks in advance of the test date and students are choosing to write the quizzes/examination in the GPRC Testing Centre are responsible for the \$30 sitting fee.

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	8% 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