



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2017

AH343 DIAGNOSTIC IMAGING - 2.5(2-0-3.5) 88HOURS

16 Weeks

INSTRUCTOR:	Chris Mizzi DVM Rhonda Shaw RAHT Kristy Honing RAHT	PHONE:	780-835-6617 780-835-6702 780-835-6779
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OFFICE HOURS:	See posted on office doors		

CALENDAR DESCRIPTION:

Students will learn the principles of radiography, fluoroscopy, ultrasonography and endoscopy. Identification, use, care and maintenance of equipment and supplies is covered with emphasis on safety. Students will learn to position patients, operate equipment and develop images that produce diagnostic quality results.

PREREQUISITE(S)/COREQUISITE: NEW

- Must be registered in the GPRC Animal Health Technology Program
- AH141
- AH240
- AH246

REQUIRED TEXT/RESOURCE MATERIALS:

Lavin, L., Radiography for Veterinary Technicians, W.B. Saunders Elsevier, 2014, 5th Edition

Bassett, McCurnin's Clinical Textbook for Veterinary Technicians, Elsevier 9th edition

Diagnostic Imaging Lab Manual Course Pack

DELIVERY MODE(S):

Lab (Kristy Honing and Rhonda Shaw)

Lecture (Dr. Mizzi)

COURSE OBJECTIVES/LEARNING OUTCOMES:

- A. Principles of Radiology
- B. Principles of fluoroscopy, MRI, xerography, scintigraphy, infrared thermography, and computed tomography
- C. Principles of Ultrasonography
- D. Principles of Endoscopy
- E. Safety Procedures
- F. Accessory Equipment for Radiology
- G. Detail, Density and Contrast
- H. Contrast Techniques
- I. Processing of Radiographic Film
- J. Technical Errors in Radiology and their Prevention
- K. Diagnostic Imaging Lab (see posted lab schedule)

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.transferralberta.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	25%
B. Midterm Exam	10%
C. Final Exam	25%
D. Equine Practical Positioning Evaluation	7%
E. Small Animal Practical Positioning Evaluations	28%
F. Lab Management	5%

	100%
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*A minimum of 60% must be obtained in order to successfully pass AH 343.

COURSE SCHEDULE/TENTATIVE TIMELINE:

See posted lab schedule

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:

- Disruptive behavior in the class will result in the student being excused from the class or lab – this includes use of cell phones or any hand held equipment that has not been approved by the instructor.
- 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.

YEAR: 2017

