



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2015

AH343 DIAGNOSTIC IMAGING – 2.5(2-0-3.5)

INSTRUCTOR:	Dr. Chris Mizzi Rhonda Shaw RAHT TBA	PHONE:	780-835-6617 780-835-6702 780-835-6779
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OFFICE HOURS:	See posted on office doors		

PREREQUISITE(S)/COREQUISITE:

- Must be registered in the GPRC Animal Health Technology Program
- AH141
- AH241

REQUIRED TEXT/RESOURCE MATERIALS:

- 1: Lavin, L., Radiography for Veterinary Technicians, W.B. Saunders Elsevier, 2014, 5th Edition
- 2: Diagnostic Imaging Lab Manual Course Pack

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.

CREDIT/CONTACT HOURS:

2.5 (2-0-3.5) 16 weeks, 88 Hours

DELIVERY MODE(S):

Lab

Lecture

OBJECTIVES (OPTIONAL): Lecture

- 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)

**** 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**

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART for ANIMAL HEALTH PROGRAM			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	MINIMAL PASS*
F	1.3	55 – 59	FAIL
	1.0	50 – 54	
	0.0	0 – 49	
WF	0.0	0	FAIL, withdrawal after the deadline
			*overall grade point average has to be 2.0 or higher to be successful in the AHT program.

EVALUATIONS:

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%

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

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:

COURSE SCHEDULE/TENTATIVE TIMELINE:

- See posted lab schedule

ADDITIONAL INFORMATION: (optional)

- 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: 2015/2016

