



**DEPARTMENT OF ANIMAL HEALTH  
COURSE OUTLINE – WINTER 2010  
AH 173 APPLIED MATH**

**INSTRUCTOR:** Dr. S. Klassen      **PHONE:** 780-835-6633  
**OFFICE:** AS 136                      **E-** sklassen@gprc.ab.ca  
**MAIL:**

**OFFICE  
HOURS:** 9 am – 4 pm unless otherwise posted

**PREREQUISITE(S)/COREQUISITE:** Student must be Registered in Animal Health Technology

**REQUIRED TEXT/RESOURCE MATERIALS:**

*Essential Calculations for Veterinary Nurses and Technicians, Lake & Green, 2<sup>nd</sup> ed.*

**CALENDAR DESCRIPTION:** Mathematical concepts that are frequently encountered by the AHT will be covered and a working knowledge of common measurement systems and conversions is developed. Accurate calculations using correct notation and units are required.

**CREDIT/CONTACT HOURS: 1/16**

**DELIVERY MODE(S): Lecture**

**OBJECTIVES:**

**Module 1: Measurement Systems**  
**Module 2: Drug Administration**

**Module 3: Dose Calculations**  
**Module 4: Dilutions & Solutions**

**TRANSFERABILITY: N/A**

\*\* 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:**

<b>GRANDE PRAIRIE REGIONAL COLLEGE</b>			
<b>GRADING CONVERSION CHART</b>			
<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>90 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>85 – 89</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>80 – 84</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>77 – 79</b>	
<b>B</b>	<b>3.0</b>	<b>73 – 76</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 72</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>67 – 69</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>63 – 66</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>60 – 62</b>	<b>MINIMAL PASS*</b>
<b>F</b>	<b>1.3</b>	<b>55 – 59</b>	<b>FAIL</b>
	<b>1.0</b>	<b>50 – 54</b>	
	<b>0.0</b>	<b>0 – 49</b>	
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

\*overall grade average has to be 2.0 or higher to be successful in the program.

**STUDENT EVALUATION:** A passing grade in this course is a minimum of 60% in the theory portion. Deductions at the discretion of the instructor. The instructor may give pop quizzes. 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.

See GPRC Examination Policy for more information on exams.

### **Mark Distribution**

<b>A. Quizzes</b>	30%
<b>B. Assignments</b>	10%
<b>C. Final Exam</b>	60%

**100%**

### **STUDENT EQUIPMENT AND SUPPLIES**

- Simple Calculator
- Blue or Black Pen

**STUDENT RESPONSIBILITIES:** Enrolment at Grande Prairie Regional College 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.

### **Additional Information**

Any material handed in to an instructor must be in blue or black pen, no white out, medical corrections only. Disruptive behavior in the class will result in the student being excused from the class – 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.

### **STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

Created by: Dr. Susan Klassen      Date:      Signature:

Approved by: Trisha Holubowich      Date:      Signature: