



## DEPARTMENT OF WELDING, CTO, INSTRUMENTATION, AND BEEKEEPING

### COURSE OUTLINE – WINTER 2014

#### BK133 INTRODUCTION TO BEE DISEASES & MANAGEMENT – 1(1.5-0-1) 22.5 HOURS

**INSTRUCTOR:** Eric Stromgren

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**OFFICE HOURS:** As posted

#### **PREREQUISITE(S)/COREQUISITE:**

Admission to the beekeeping program

#### **REQUIRED TEXT/RESOURCE MATERIALS:**

Canadian Association of Professional Apiculturists. *Honey Bee Diseases and Pests*

Canadian Association of Professional Apiculturists. *Beekeeping in Western Canada*

#### **CALENDAR DESCRIPTION:**

This is an introduction to microbiology, honey bee diseases and the integrated pest management approach to disease management.

#### **CREDIT/CONTACT HOURS:**

This course consists of 1.5 hours of lecture per week and 1 hour of lab per week for 9 weeks; total of 22.5 course hours.

#### **DELIVERY MODES:**

Course work includes lectures, labs, discussions, assigned readings, a midterm, and a final exam.

#### **OBJECTIVES:**

1. Identify common bee diseases and pests
2. Understand control and prevention measures against diseases and pests
3. Understand the integrated pest management approach to treatment

**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>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 59</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

**EVALUATIONS:**

Assignments/Quizzes	10%
IPM report	10%
Laboratory Exercises	20%
Midterm	30%
Final Exam	30%

## **STUDENT RESPONSIBILITIES:**

Students are expected to be on-time and present to complete this course. Requests to reschedule assignments or assessments will only be granted under extraordinary circumstances.

Students must follow all safety guidelines and procedures.

Assignments must be submitted on time in order to be eligible for grading. Late submission due to illness must be documented with a doctor's note.

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

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 [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

\*\*Note: all Academic and Administrative policies are available on the same page.

## **COURSE SCHEDULE/TENTATIVE TIMELINE:**

- Field trip tentatively scheduled to Edmonton IPM seminar February 6 – 8, in association with BK134.
- Midterm exam in week 5
- IPM report due Week 8
- Final exam Week 9
- Details for assignments/lab exercises will be announced in class