



**DEPARTMENT OF ANIMAL SCIENCES**

**COURSE OUTLINE – FALL 2014**

**BK331: ADVANCED MANAGEMENT OPTIONS – 2(2-2-2) 48 HOURS**

**INSTRUCTOR:** Eric Stromgren

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**OFFICE:** AS150

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**OFFICE HOURS:** As posted

**PREREQUISITE(S)/COREQUISITE:**

BK200

**REQUIRED TEXT/RESOURCE MATERIALS:**

FAO: Value Added Products from Beekeeping

CAPA Hive Management for Crop Pollination

**CALENDAR DESCRIPTION:**

An in-depth study of various contemporary options to increase production, manage bees, or increase value.

**CREDIT/CONTACT HOURS:**

This course consists of 2 lecture hours, 2 seminar hours and 2 lab hours per week for 8 weeks; course total of 45 hours.

**DELIVERY MODES:**

Course work includes lectures, guest speakers, seminar discussions, activities and assignments.

**OBJECTIVES:**

1. Exposure to various strategies and management approaches used by commercial beekeepers to increase production or value

2. Develop strategic thinking around efficiency of scale vs quality control and the ability to assess business options
3. Develop understanding of overwintering options, techniques and strategies to replace winter loss.
4. Introduction to intensive management systems
5. Develop an understanding of migratory production and pollination contract/management

**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:

Class Participation	20%
Labs	30%
Assignments	50%

## 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.

## 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:

Schedule of topics to be announced in class

## COURSE CONTENT

1. Overwintering Techniques
2. Intensive Management Systems
3. Beekeeping Options and Value Added Products