

**NRM 211**  
**INTRODUCTION TO APPLIED PLANT SCIENCE**  
**Fall – 2017**

**Schedule:**

<i>Lectures:</i>	Monday, Wednesday	9:15AM - 10:15AM	AHRB 183
<i>Labs:</i>	Monday	2:15PM - 5:00 PM	AHRB 1W05

**Course Objective:**

To guide students to an understanding of the physiological processes controlling plant growth and development emphasizing the implications and applications for plant growth and production at high latitudes.

**Evaluation Policy:**

Grades will be based on exams, plant identifications, several sets of lab questions, one lab activities report, one literature review, and class participation. The relative importance of each component for the final grade is indicated below:

Exam I	100 (10%)
Exam II	

The university has established procedures for enforcing the UA code of conduct. Each student at the university shall be afforded due process in all disciplinary matters. For a complete guide to these procedures, please refer to [Board of Regents Policy and University Regulation 09.02](#) (PDF).

For additional information and details about the Student Code of Conduct, please visit <http://www.uaf.edu/deanofstudents/>.

### **Plant ID and Lab Tests:**

The first part of the Lab and plant ID tests on October 2 and November 6 consists of questions from lab exercises. These questions will constitute 20% or 30 points of the 150 possible points. The second part is identification of plants in form of pictures, pressed samples or live plant material. Common names and scientific names (correctly spelled) are required for each plant. The plant ID includes 6 groups of plants (agronomy crops; invasive species commonly referred to as weeds; native Alaska plants for ornamental and revegetation purposes; vegetables; herbaceous ornamentals; fruit and berry crops) for a total of 100 species.

### **Lab Questions:**

In addition to the lab activities report (see below), there are several weekly sets of lab questions. The questions are related to the most important concepts covered in the lab. The answered lab questions are due at the end of the lab period and will be administered for lab I, II, III, IV, VI, VII, VIII, IX, XI and XII.

### **Lab Activities Report:**

One lab activities report describing effects of temp91 Tm{ribing)9( e)4(fffe3)h9,16s l4(e)4 TJhtrribing e.1n 1

Purpose of experiment

Procedures

Results and conclusions

Are the authors' conclusions valid? Who would benefit from this information? What additional work should be done? What would you have done differently? Any other comments.

**NRM 211-Fall 2017, tentative schedule** (pages Bidlack and Jansky, 2017. Stern's Introductory Plant Biology, **14th ed.**)

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M	Aug. 28	Course introduction.	p. 2-12
<b>M</b>	<b>Aug. 28</b>	<b>Lab I: Field production</b>	
W	Aug. 30	Origin of cultivated plants	p. 250-