



Principles of Field Crop Production, 4th ed. by John H. Martin, Richard P. Waldren and David L. Stamp, 2006, Pearson Prentice Hall.

**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. No make-up exams will be given unless there is a verifiable emergency or arrangements have been made with the instructor prior to the scheduled exam time.

The relative importance of each component for the final grade is indicated below:

Exam I	100 (10%)
Exam II	150 (15%)
Final Exam	250 (25%)
Lab	400 (40%)
Lab and Plant ID I	(150 or 15%)
Lab and Plant ID II	(150 or 15%)
Several sets of Lab Questions	( 50 or 5%)
Lab Activities Report	( 50 or 5%)
Literature Review	50 (5%)
Class participation	<u>50 (5%)</u>
	1,000 points (= 100%)

Letter grades will be determined using the following scale:

- A 90.0 to 100 %
- B 80.0 to 89.9 %
- C 70.0 to 79.9 %
- D 60.0 to 69.9 %
- F Below 59.9 %

Plus and minus are not used in assigning grades. Borderline grades may be curved based on class participation, attendance and student progress during the semester. Note that this course cannot count as a requirement with a grade less than a D.

The UAF Incomplete Grade Policy will be followed. The letter grade I (incomplete) is a temporary grade used to indicate that the students has satisfactory completed (C or better) the majority of work in a course but for personal reasons has not been able to complete the course during the regular semester. Negligence or indifference is not a valid reason for an I.

**Plant ID and Lab Tests:**

The first part of the Lab and plant ID tests on September 28 and October 26 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:**



**Notice of Nondiscrimination:**

UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: <https://www.alaska.edu/nondiscrimination>

**Support Services**

Please consult the Student Handbook for topics like: academic advising, tutoring, library and academic support, disability services, computing and technology, veteran and military support, academic

**UAF Help Desk.** Go to <https://www.alaska.edu/oit/> to see current network outages and technology news. For technical questions, contact the Help Desk at:

**NRM 211-Fall 2020, tentative schedule** (pages Bidlack and Jansky, 20210Ugtpai'Kvtqf wevqt {'Rrcpv'Dkqmi {."15th ed.)

M	Aug. 24	Course introduction.	p. 2-10
M	<b>Aug. 24</b>	<b>Lab I: Landgrant universities and experiment stations</b>	
W	Aug. 26	Origin of cultivated plants	p. 244-245, 447-449
M	Aug. 31	Plant nomenclature and systematics	p. 123 275-290, A1-A19
M	<b>Aug. 31</b>	<b>Lab II: Greenhouses</b>	
W	Sept. 4	Plant cell and tissue structures	p. 27-42, 51-62
M	Sept. 7	Labor Day ó no class or lab	
W	Sept. 9	Plant growth substances (hormones)	p. 187-196
M	Sept. 14	Plant growth substances (hormones)	p. 187-196
M	<b>Sept 14</b>	<b>Lab III: Start mineral nutrition experiment</b>	
W	Sept. 16	Control of plant growth and development	p. 197-204
M	Sept. 21	Light measurements for plant growth	p. 164-165, 168
M	<b>Sept.21</b>	<b>Lab IV: Growth regulators</b>	
W	Sept. 23	Light quality and plant growth	p. 164-165, 206
M	Sept. 28	Light duration (photoperiod) and plant growth	p. 205-206
M	<b>Sept.28</b>	<b>Lab V: Lab and plant ID Test I</b>	
W	Sept. 30	Plant response to photoperiod	
M	Oct. 5	Plant response to photoperiod (continued)	
M	<b>Oct. 5</b>	<b>Lab VI: Light</b>	
W	Oct. 7	<b>EXAM I</b>	
M	Oct. 12	Plant response to daily light duration	
M	<b>Oct. 12</b>	<b>Lab VII: Germination and seedling vigor</b>	
W	Oct. 14	Photosynthesis and respiration	p. 162-176, 176-186
M	Oct. 19	Physical properties of soils	p. 75-80
M	<b>Oct. 19</b>	<b>Lab VIII: Physical properties of soils</b>	
W	Oct. 21	Chemical soil properties, mineral nutrition	p. 18, 80
M	Oct. 26	Essential macro- and micronutrients	p. 156-159, 480-483
M	<b>Oct. 26</b>	<b>Lab IX: Lab and plant ID Test 2</b>	
W	Oct. 28	Essential macro- and micronutrients	p. 156-159, 480-483
M	Nov. 2	Essential macro- and micronutrients	p. 156-159, 480-483
M			