

**NRM 70 Course Outline as of Fall 2015****CATALOG INFORMATION**

Dept and Nbr: NRM 70 Title: FOREST MGMT AND ASSESS

Full Title: Forest Management and Assessment

Last Reviewed: 9/24/2018

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	4.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	4.00	Lab Scheduled	3.00	6	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	6.00		Contact Total	105.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 210.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: FOR 70

**Catalog Description:**

Applied forestry as related to forest stand improvement, harvest methods, fire control, disease, damage, insects, manufacturing and management of forested lands. Quantity, and quality, and other forest resources, including water, range, wildlife, and outdoor recreation, carbon storage and fuel loading. Field trips are mandatory.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Applied forestry as related to forest stand improvement, harvest methods, fire control, disease, damage, insects, manufacturing and management of forested lands. Quantity, and quality, and other forest resources, including water, range, wildlife, and outdoor recreation, carbon storage and fuel loading. Field trips are mandatory. (Grade Only)

Prerequisites/Corequisites:



- H. Fisheries
- I. Fuel loading
- J. Carbon storage

**Assignment:**

1. Reading assignments that will average 10 - 15 pages per week.
2. Two timber inventory reports totaling ten pages.
3. Laboratory exercises: field trips emphasizing the collection, examination, and evaluation of field data.
4. Prepare simple and accurate maps from field data.
5. Quizzes (6); mid term and final exams.

**Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Timber inventory reports	Writing 20 - 30%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, field work, field notebook; lab exercises	Problem solving 20 - 30%
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**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Lab exercises, field trips	Skill Demonstrations 20 - 30%
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**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes and final exam: completion, short essay questions	Exams 30 - 40%
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**Other:** Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation	Other Category 0 - 10%
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**Representative Textbooks and Materials:**

- Introduction to Forests and Renewable Resources. Sharpe, Grant; Henlee, John; and Sharpe, Wenonah; Waveland Pr Inc., 7th ed., 2009.
- Forest Mensuration. Husch, Bertram, Thomas Beers, and John A. Keershaw, Jr. John Wiley and Sons, 2003.(classic)
- Trees and Forest Measurement. West, Phil. Springer Verlag, 2009.
- Aerial Photography and Image Interpretation. Paine, David P. and James D. Kaiser. John Wiley

& Sons, 2012

Instructor prepared materials