

# Syllabus, spring 2022

TITLE: Resource Management Planning

NUMBER: NRM 630

CREDITS: 3

PREREQUISITES: Senior standing

LOCATION: Synchronous online, lectures via Zoom.

MEETING TIME: T & R 11:30 a.m. – 1:00 p.m.

COURSE TYPE: Lecture

INSTRUCTOR: Dr. Peter J. Fix

OFFICE LOCATION: 323 O'Neill

OFFICE HOURS: Tues. & Thurs 1:30 to 3:00 p.m.

## COURSE READINGS/MATERIALS

Required text: Yoe, C. (2013). *Introduction to natural resource planning*. New York: CRC Press

Additional readings will be assigned, and are noted in the class schedule. These readings will be posted to Canvas

## TECHNICAL REQUIREMENTS FOR COURSE

Students must have regular access to a computer and the Internet to access materials in Canvas. Students will be expected to download course material as well as upload assignments.

## INSTRUCTIONAL METHODS

The class consists of 3 credits of lecture (i.e., 3 hours per week). The lecture sections will be based on course readings but will rely on class discussion. It is expected you come to class having read the material and are prepared to discuss the material.

The first three quarters of the class will follow material from the text. Lectures will recap the material, but it is expected you have read the material before class. Thus, the majority of the lecture will be devoted to 1) discussing the points made in the text (i.e., class discussion), and 2) applying the principles discussed in the book to the case study developed for the class exercises (i.e., listed in syllabus as in-class exercise).

The remaining class time will be spent examining the planning process of different agencies and examining case studies.

There will be a mid-term exam and a final exam. Both exams are open book. The final exam will consist of an evaluation of a management plan.

A folder with completed plans will be posted to Canvas. We will examine those plans with respect to the principles presented in the text.

## Expectations for 600 -level course

NRM630 is stacked with NRM 430. NRM 630 follows the same structure as NRM 430, the additional expectations for the graduate course are as follows:

- x Higher expectations for critical thinking (critiquing readings, synthesizing information, suggesting new applications). This may require assignments to be slightly longer.
- x Expanded use of citations when appropriate (finding additional support, or opposing views, in the literature)
- x Four additional assignments
- x An end-of-semester research paper
- x Additional questions on exams

## COURSE CALENDAR

The course calendar will evolve as we cover the topics. The time spent on any one topic will be adjusted based on class discussion

Dates	Topics Covered
Week 1 1/11	Course Introduction
1/13	Introduction to scenario for in-class exercises <ul style="list-style-type: none"> <li>x Teams &amp; Setting Rules</li> <li>x Ch. 2</li> </ul>
Week 2 1/18	The Planning Process <ul style="list-style-type: none"> <li>x Ch. 3</li> <li>x Assignment 1&amp; in class discussion: Comparison of plans</li> </ul>
1/20	The planning process across natural resource management agencies <ul style="list-style-type: none"> <li>x NRM 630: Find and summarize peer -reviewed article discussing the planning process</li> </ul>
Week 3 1/25	Decision Context <ul style="list-style-type: none"> <li>x Ch. 4</li> <li>x In class exercise1: Develop problems, opportunities, and constraints</li> </ul>
1/27	Decision Context (Cont.) <ul style="list-style-type: none"> <li>x In-class exercise2: Develop criteria</li> </ul>
Week 4 2/1	Gather Evidence <ul style="list-style-type: none"> <li>x Ch. 5</li> <li>x Introduction to scenarios</li> </ul>

2/3

Week 7 2/22	Uncertainty (Cont.) x In-class exercise: Identify sources of uncertainty
2/24	Guest Speaker, R. Bryant Wright, Trails Coordinator, FNSB Parks & Recreation x FNSB Trails Plan
Week 8 3/1	NEPA: Potential guest speaker x Readings TBA
3/3	Work on mid-term exam (no class) x Mid-term exam due by 3/ 4 @ 5 p.m. x NRM 630: Additional questions related to evaluating the planning process

Week 9

Week 15 4/19	Planning in Federal Agencies <ul style="list-style-type: none"><li>x Readings TBA</li><li>x Assignment 7: Comparison of planning in federal agencies</li></ul>
4/21	<ul style="list-style-type: none"><li>x Discussion of planning in Federal Agencies</li><li>x NRM 630: Research paper applying planning principles to your research</li></ul>



