NRRM 101 Introduction to Natural Resources & Recreation Management

Fall 2018, 3 Credits, SEC 101 (CRN 3398)

M/W: 01:00 – 02:15 pm, Room: ML Commons

Instructor

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University Policies

By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on "Marshall University Policies." Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/. Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment

Required Texts, Additional Reading, and Other Materials

1) Main Text: Hammitt, W.E., Cole, D.N. & Monz, C.A. (2015). *Wildland Recreation: Ecology and Management* (3rd Ed.). New York: John Wiley & Sons (ISBN-10: 1118397002).
2) Additional reading materials will be assigned by the instructor as needed.

Course Description

(From Catalog: An orientation to the profession and its settings-emphasizing history, trends, concepts, and relationship to other fields. This course is prerequisite to all other NRRM courses.) The course is designed to help students of all disciplines to understand the principles and techniques used to manage recreation opportunities in natural resource settings. This course focuses on understanding problems that arise in natural resource settings as a result of recreational use and how these problems can be managed. The inherent problem of dual

mission, impact components, impact trends and patterns, monitoring techniques, and management alternatives including site and visitor management practices will be introduced and discussed. In addition, management frameworks such as the Recreation Opportunity Spectrum (ROS) and the Limits of Acceptable Change (LAC) will be explored via a series of lectures. More than half of the class time will be devoted to group discussion/presentation on the basis of the instructor's weekly questions (**Pre/co-requisites:** N/A).

Natural Resources/Recreation Management Discipline-Specific Learning Outcomes

Students will ***demonstrate*** the ability to ***identify*** natural resource and or/recreation management problems, ***propose*** appropriate management actions to address those problems, and ***evaluate*** the potential implications of their proposed management actions.

Course Student Learning Outcomes and Assessment Measures

Upon completion of this course, student will be able to

Course Student Learning Outcomes	How students will practice each outcome in the course	How student achievement of each outcome will be accessed in the course
Students will ***identify*** multidisciplinary characteristic of natural resources/recreation management.	In-class examples/materials, student-led group discussion, individual activity	Exam 1, individual/group activities 1-2, 13
Students will ***examine*** natural resource and/or recreation management problems (social and ecological/natural issues).	In-class examples/materials, student-led group discussion, individual activity	Exam 1, individual/group activities 3-8
Students will ***understand*** current conceptual frameworks and mechanism of recreation resource management based on "carrying capacity" concept.	In-class examples/materials, student-led group discussion, individual activity	Exam 2, individual/group activities 9 - 10
Students will ***understand*** the potential implications of their proposed management actions.	In-class examples/materials, student-led group discussion, individual activity	Exam 2, individual/group activities 10-12

Course Requirements

1) **Exams**: There will be two in-class exams during the semester (closed book test).
2) **National Park Project (Final Presentation)**: Students are required to prepare a short presentation regarding park and protected area management at the end of the semester. The format and content of the presentation will be discussed later.
3) **Individual/Group Activities**: Almost every week, students will be required to have an individual/group activity based on the questions that the instructor provides. The instructor will provide instructions for the individual/group activities, but each student must complete at least more than ***ten times*** (individual/group activities combined, out of a total of thirteen activities), in order to obtain full class participation point.
4) **Attendance & Participation**: Attendance will be part of your grade as noted below. If students miss more than 30 percent of the lectures, the instructor reserves the right to summarily assign you a failing grade for the course. In addition, 15 percent of the grade for this course is comprised of individual/group activities, most of which will be completed in class. Student will not be allowed to make-up in class discussion and activities missed due to unexcused absences. Absences will only be excused if they have been pre-approved by the instructor or if the student is able to document a valid reason for their absence (i.e. illness, death in family, automobile accident, the Dean of Students, etc.).
5) **Extra Point Chance:** To celebrate GIS day this year (November 14th, Wednesday), the NRE and Geography departments will be jointly hosting a series of events (GIS/RS poster presentation, guest lecture, geocaching event, etc.) in the Memorial Student Center. All interested faculty, students and staff are invited to participate in this poster presentation and geocaching event. Any types of GIS/RS posters including your past and on-going projects will be welcomed, and a small prize will be given for best graduate and undergraduate posters. In addition, if you present your past and on-going projects, you will receive *two extra points*. If you attend the student poster presentation (either morning or afternoon session), you will receive *one extra point*.

Grading Policy

Exam 1 (30 %)
Exam 2 (30 %)
Final Presentation (15%)
Attendance (10 %)
Individual/Group Activity (15 %)
Total: 100 %

Grading Scale

100 – 90	A
89 – 80	B
79 – 70	C
69 – 60	D
59 – 0	F

Additional Policies and Expectations

1) ***Class participation*** is essential for the successful completion of the course. Students are expected to read the assigned papers prior to class and to come to class ready to discuss what they have read. In the absence of meaningful classroom discussions/activity, quizzes may be given to ensure that readings have been done.
2) ***Class materials*** can be found at MU-online (http://www.marshall.edu/muonline). The instructor will upload all lecture and class discussion files (pdf format) at MU-online in a timely manner. It is mandatory that students monitor the MU-online for updated class materials at least once a week.
3) ***Course Evaluation***: Mid-semester evaluation will be done by the instructor to identify students' suggestions on the course (i.e. pace and topic/subject of the course). Final student course evaluation will be conducted during the last two weeks of the semester in a manner that maintains the integrity of the process and the anonymity of evaluators (online format).

Course Outline (Please note this is a tentative schedule and it may change upon class progress)

NRRM 101: Natural Resources and Recreation Management		
Date	**Day**	**Topic/Assignment**
Aug. 20/22	M/W	Introduction: tragedy of dual mission
Aug. 27	M	Individual/Group Activity # 1: dual mission in resource management
Aug. 29	W	Recreation and resource impact Individual/Group Activity # 2: recreation and resource impact
Sept. 03	M	**NO CLASS** – Labor Day Holiday
Sept. 05	W	Impact to wildlife/water
Sept. 10	M	Individual/Group Activity # 3: impact to wildlife/water
Sept. 12	W	Impact to soil/vegetation
Sept. 17	M	Individual/Group Activity # 4: impact to soil/vegetation
Sept. 19	W	Recreation impact pattern

Sept. 24	M	Individual/Group Activity # 5: recreation impact pattern
Sept. 26	W	Trends in recreation use and impact
Oct. 01	M	Individual/Group Activity # 6: trends in recreation use and impact
Oct. 03	W	Impact factor I: environmental durability
Oct. 08	M	Individual/Group Activity # 7: environmental durability
Oct. 10	W	Impact factor II: visitor use Individual/Group Activity # 8: visitor use ***Exam Review***
Oct. 15	M	**EXAM #1 (1:00 pm, lecture room)**
Oct. 17	W	Strategies and concepts of management
Oct. 22	M	Individual/Group Activity # 9: recreation resource management
Oct. 24	W	Monitoring recreation impact
Oct. 29	M	Individual/Group Activity # 10: Monitoring recreation impact
Oct. 31	W	Visitor management philosophy/strategies
Nov. 05	M	Individual/Group Activity # 11: visitor management
Nov. 07	W	Site management philosophy/strategies **National Park Project Discussion**
Nov. 12	M	Individual/Group Activity # 12: site management
Nov. 14	W	Multidisciplinary characteristic of natural resource management Individual/Group Activity # 13: natural resource management **National Park Project Discussion** *GIS Day (Poster Presentation, Geocaching, etc.) at MSC
Nov. 19/21	M/W	**NO CLASS –** Thanksgiving/Fall Break
Nov. 26	M	**EXAM #2 (1:00 pm, lecture room)**
Nov. 28	W	National Park Project Preparation
Dec. 03	M	National Park Project Preparation
Dec. 05	W	Final Presentation