Rangeland Ecology and Management

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Prerequisite: Courses in this subject field that are numbered above 299 are not open to undergraduate students on academic probation.

REM 102 Opportunities in Rangeland Ecology and Management (1 cr)
Basic principles, contemporary issues, and professional opportunities in rangeland management. Introduction to careers with ranches, land management agencies, consulting firms, and environmental organizations.

REM 200 (s) Seminar (cr arr)
REM 203 (s) Workshop (cr arr)
REM 204 (s) Special Topics (cr arr)
REM 221 Ecology (3 cr)
Fundamental principles of ecology. Major topics covered by the course include the physical environment, how organisms interact with each other and their environment, evolutionary processes, population dynamics, communities, energy flow and ecosystems, human influences on ecosystems, and the integration and scaling of ecological processes through systems ecology. Computer-based materials are used extensively for guided independent learning in this course. An online version of this course is offered as a separate section. Course information: EcologyOnline.net. Recommended Preparation: Introductory botany, zoology and good working knowledge of Windows-based computer systems.
Prereq: Biol 102, 115, or 116; or Permission
REM 244 Wildland Fire Management (2 cr)
Introduction to wildland fire management including fire behavior, fuels, fire prevention and suppression, fire policy and fire ecology. Includes discussion of current fire management issues.
REM 251 Principles of Range Resources Management (2 cr)
Development of range use and range resource management, rangeland vegetation types, current management issues, relationship of grazing use with other land uses and values. (Fall only)
REM 299 (s) Directed Study (cr arr)
REM 351 Wildland Plant Identification Field Studies (3 cr)
Develop skills to identify, classify, and collect rangeland plants in the field. Focus on identification of grasses, forbs, and shrubs. Discussions will also encompass the ecological roles of wildland plants and the ecosystem classification. This course includes a 7- to 9-day field trip. Required for REM majors. (Spring only)
REM 353 Rangeland Plant Identification and Ecology (3 cr)
Classification, description, and identification of the most important rangeland and riparian plants in North America; particular reference to important ecological roles of these plants. Recommended Preparation: For 221 or REM 221. (Fall only).
REM 357 Rangeland and Riparian Habitat Assessment (3 cr)
Methods for inventory and monitoring of upland and riparian rangeland communities; basic sampling techniques used for measuring vegetation attributes and assessing production and utilization of vegetation for management purposes; evaluation of plant communities will be interpreted with respect to ecological health, watershed protection, and value as livestock and wildlife habitat. Two lec and one field trip/lab a wk. Recommended Preparation: basic statistics course. (Fall only).
REM 398 (s) Renewable Natural Resources Internship (cr arr)
Supervised field experience with an appropriate public or private agency. Req'd for cooperative education students. Graded P/F.
Prereq: Permission of department
REM 400 (s) Seminar (cr arr)
REM 402 Applied Spatial Analysis in Natural Resources (2 cr)
Course reviews basic GIS concepts emphasizing hands-on experience and independent problem solving. The overarching goal is to guide students towards excellence in assessing and analyzing management issues in natural resources with GIS and other spatial analysis techniques. (Fall only)
Prereq: For 375 or Geog 385; or Permission
REM 403 (s) Workshop (cr arr)
REM 404  (s) Special Topics (cr arr)

REM 407  GIS Application in Fire Ecology and Management (1 cr)
Introduces applications of GIS in fire ecology, research, and management including incident mapping, fire progression mapping, GIS overlay analysis, remote sensing fire severity assessments, fire atlas analysis and the role of GIS in the Fire Regime Condition Class concept and the National Fire Plan.  (Spring only)
Prereq:  NR 402 or GIS Primer

REM 410  Principles of Vegetation Measurement and Assessment (1 cr)
On-line course designed to give an overview of vegetation measurement techniques for grasslands, shrublands, woodlands, and forests.  Students will gain a solid understanding of how to assess and monitor vegetation attributes relative to wildlife habitat, livestock forage, fire fuel characteristics, watershed function, and many other wildland values.  Recommended Preparation:  A basic statistics course and understanding of how to use computer spreadsheets such as Excel.  (Fall only)

REM 429  Landscape Ecology (3 cr)
See For 429.

REM 440  Wildland Restoration Ecology (3 cr)
Ecological principles and management practices involved in restoring and rehabilitating wildland ecosystems after disturbance or alteration to return damaged ecosystems to a productive and stable state.  Recommended Preparation:  a course in general ecology.  (Spring only).

REM 450  Global Environmental Change (3 cr)
See Geog 450.

REM 452  Western Wildland Landscapes (2 cr)
Survey of wildland plant communities of western North America, focusing on their natural history, including the effects of use by human beings, based on their physical, climatic, and biological characteristics.
Prereq:  REM 221 or For 221

REM 454  Rangeland Weed Management (3 cr)
Ecological principles and management options for invasive plant control on rangelands; focus on landscape-level management approaches including detection, monitoring, and prevention of weed invasions, restoration of weed-infested rangeland and coordinated weed management planning.  One 2-day field trip.  Recommended Preparation:  PISc 338.  (Spring, Alt/odd yrs)

REM 456  Integrated Rangeland Management (3 cr)
Management strategies for integrating grazing with other natural resource values such as wildlife, water, timber, recreation, and aesthetics; emphasis on herbivore ecology including ecological impacts of grazing, ways to manage grazing, and nutritional relationships between plants and free-ranging ungulates on rangeland, pastureland, and forest ecosystems.  One 1-week field trip.  Recommended Preparation:  REM 251.  (Spring only)

REM 459  Rangeland Ecology (2 cr)
Application of ecological principles in rangeland management; stressing response and behavior of range ecosystems to various kinds and intensity of disturbance and management practice.  Web only [www.uidaho.edu/range459/].  Recommended Preparation:  a course in general ecology or Permission  (Fall only).

REM 460  Rangeland Ecology Current Topics and Field Studies (1 cr)
Discussion of topics related to changing knowledge and technology relevant to ecology of grasslands, shrublands and woodlands.  Min.  five discussion classes; one five-day field trip.  Required for REM majors.  (Fall only)
Coreq:  REM 459

REM 470  Interdisciplinary Natural Resource Planning (3 cr)
See CSS 470.

REM 472  Remote Sensing of the Environment (3-4 cr)
See For 472.

REM 483  Senior Project Presentation (1 cr)
See For 483.

REM 485  Ecology and Conservation Biology Senior Project (1-3 cr, max 3)
See WLF 485.

REM 497  Senior Research and Thesis (cr arr)
A research investigation, selected and designed jointly by the student and professor, during which the student has the opportunity to learn research techniques of experimental design, proposal writing, data collection and analysis, scientific writing, and publication; at completion, the student will produce a publishable journal manuscript and/or a conference presentation.
Prereq: Senior standing and Permission

REM 498 (s) Internship (cr arr)

REM 499 (s) Directed Study (cr arr)
For the individual student; conferences, library, field, or lab work.  
Prereq: Senior standing, GPA 2.5, and Permission

REM 500 Master’s Research and Thesis (cr arr)

REM 501 (s) Seminar (cr arr)
Major philosophy, management, and research problems of wildlands; presentation of individual studies on assigned topics.  
Prereq: Permission

REM 502 (s) Directed Study (cr arr)

REM 503 (s) Workshop (cr arr)
Selected topics in the conservation and management of natural resources.  
Prereq: Permission

REM 504 (s) Special Topics (cr arr)

REM 527 Landscape Ecology of Forests and Rangelands (2-3 cr)
Ecological relationships of biotic communities in heterogeneous environments, spatial and temporal patterns, importance of landscapes in maintenance of ecosystem diversity and function. One 2-hr lecture/discussion a week based on extensive reading of current literature and case studies. In addition, those students taking 3 credits will meet an additional hour a week, focusing on quantitative landscape analysis, and they will participate in a 2-day field trip. (Spring only)  
Prereq: Upper-division plant or animal ecology

REM 530 Stream Ecology (3 cr)
See Fish 530.

REM ID551 Rangeland Vegetation Ecology (3 cr) WSU NATRS 551
Ecological concepts of the nature, dynamics, and distribution of plant communities; secondary successional processes, soil-vegetation relations, and development of vegetation-classification schemes for better land management. (Spring, Alt/odd yrs)  
Prereq: Plant ecology and Permission

REM ID560 Plant Ecophysiology (3 cr) WSU NATRS 524
Functional responses and adaptations of individual plant species to their environment, emphasizing morphological and physiological mechanisms that influence plant establishment, the physical environment, below- and above-ground productivity, and plant interactions such as competition, herbivory, and allelopathy. (Fall only)  
Prereq: A course in general ecology (i.e. REM 221, Biol 311) and general botany, or Permission [www.EcologyOnline.net]

REM 597 (s) Practicum (cr arr)

REM 598 (s) Internship (cr arr)

REM 599 (s) Non-thesis Master’s Research (cr arr)
Research not directly related to a thesis or dissertation.  
Prereq: Permission

REM 600 Doctoral Research and Dissertation (cr arr)
Prereq: Admission to the doctoral program in "natural resources" and Permission of department

Recreation


Rec 102 Introduction to Recreation Professions (1 cr)
Intro to recreation and its related management problems, resources, and professional opportunities. (Fall only)

Rec 105 Teaching Golf I (2 cr)
Teach Professional Golf Management students the basics of golf instruction. They will learn how to establish relationships, organize groups, design golf development programs, demonstrate the short game, as well as the full swing. (Spring only)
Prereq: PGM student or Bus 103 and Permission

Rec 106 Introductory Arboricultural Tree Climbing Techniques (1 cr)
See PISc 106.

Rec 110 Recreation for People with Disabilities (3 cr)
Overview of recreation for special populations with emphasis on history, etiology, characteristics, services, resources, professional competencies and opportunities, and recreation programs. Two 1-day field trips may be required.

Rec 125 Outdoor Leisure Pursuits (2 cr)
Focus on wide range of outdoor leisure pursuits available in America, the public and private entities that administer them, and changes that increasing demand will necessitate in the future. Field trips required.

Rec 200 (s) Seminar (cr arr)
Rec 203 (s) Workshop (cr arr)
Rec 204 (s) Special Topics (cr arr)
Rec 205 Teaching Golf II (2 cr)
Basic fundamentals of how the golf swing works. Students will learn how to analyze swing motion and observe ball flight characteristics to help the student improve their golf game. Students will also examine ways to generate business using marketing and promotional techniques. (Fall only)
Prereq: PGM student or Bus 103 and Permission

Rec 208 Professional Involvement in Recreation (1 cr)
This course is designed to encourage students to gain exposure to the recreation and leisure profession by participating in professional development activities such as: conferences, workshops, seminars or special education programs.

Rec 211 Fly Tying (1 cr)
Introduction to tying flies (dry, nymph, streamer, and terrestrial) for Northwest fish species. Hatches and their patterns, and basic fly fishing techniques will be discussed. Additional fees may be required.

Rec 212 Beginning Fly Fishing (1 cr)
Introduction to tying flies, equipment, fly casting, and fly fishing techniques for Northwest fish species. One, 1 day field trip. Rec 211 recommended. Additional fees may be required.

Rec 213 Advanced Fly Fishing (2 cr)
Advanced fly tying, equipment, casting, and fly fishing techniques for Northwest fish species. Focus will be on Steelhead and trout. Two, 1 day field trips. Additional fees may be required. (Fall only)
Prereq: Rec 212 or Permission

Rec 214 Western Angling (2 cr)
Introduction to Salmon, Trout, and Steelhead fishing in the Northwest. Techniques, equipment, regulations, species identification, and fishing areas will be discussed. Two, 1 day field trips. Additional fees may be required.

Rec 215 River Reading and Whitewater Safety (1 cr)
River reading knowledge, whitewater safety, and rescue instruction; wild and scenic river legislation and requirements for back country travel along river corridors.

Rec 217 Wild Game Calling/Viewing (1 cr)
Introduction to species identification, habitat, mating and calling seasons, safety, and viewing wild game. Emphasis will be on Elk, Turkey, Deer, and Predators. One, 1 day field trip. Additional fees may be required. (Fall only)

Rec 219 Archery (1 cr)
Introduction to shooting archery. Fundamentals including shooting techniques, bow tuning, equipment and repair, and safety will be discussed. One, 1 day field trip.

Rec 220 Rock Climbing (1 cr)
Intro to fundamentals of basic rock climbing including equipment, climbing techniques, knots, belaying, and rappelling; emphasis on skill development, risk management, and leadership. Three off-campus field sessions. Recommended Preparation: Two courses from Rec 125, 320, 420, CSS 287, 387, 487, 490. (Alt/yr)

Rec 221 Mountaineering (2 cr)
Intro to fundamentals of mountaineering including equipment; fundamentals; rock, snow, and ice techniques; climbing equipment, navigation; expedition planning and safety; emphasis on skill development and safety. One 3-day field trip. Recommended Preparation: Rec 220 and two courses from Rec 125, 320, 420, CSS 287, 387, 487, 490. (Alt/yr)
Rec 222  Cross Country Skiing (1 cr)
Intro to skills of cross country skiing including equipment, waxing, climbing techniques, turns, downhill, and diagonal glides. One 1-day field trip. Recommended Preparation: Two courses from Rec 125, 320, 420, CSS 287, 387, 487, 490. (Alt/ys)

Rec 223  Winter Skills (2 cr)
Intro to fundamental skills reqd to successfully travel in winter environment, including equipment, trip planning, avalanche awareness, snow shelters, travel techniques, and safety including psychological and physiological aspects of cold/winter weather. One 1-day and one 2-day field trips. Recommended Preparation: Rec 222 and two courses from Rec 125, 320, 420, CSS 287, 387, 487, 490. (Alt/ys)

Rec 224  Whitewater Rafting (1 cr)
Intro to skills of whitewater rafting including equipment, trip planning, permits, techniques, and river impact. One or two field trips. (Alt/ys)
Prereq: Rec 215; two courses from Rec 125, 320, 420, CSS 287, 387, 487, 490, or Permission

Rec 225  Kayaking (1 cr)
Intro to skills of whitewater kayaking including equipment, eskimo rolls, eddy turns, ferrying, and rapid maneuvering. One 2-day field trip. (Alt/ys)
Prereq: Rec 215; two courses from Rec 125, 320, 420, CSS 287, 387, 487, 490, or Permission

Rec 226  Whitewater Canoeing (1 cr)
Introduction to fundamentals of tandem canoe paddling on whitewater rivers; equipment, trip planning, and paddling technique will be examined and practiced. One lec and 2 hrs of lab a wk; one 4- to 7-day field trip.
Prereq: Rec 215

Rec 227  Mountain Biking (1 cr)
Introduction to fundamentals of mountain biking including equipment, trip planning, skill development, off-road riding, bike repair and safety. One 3 to 7 day field trip required.

Rec 243  Recreation Activities (2 cr)
See PEP 243.

Rec 254  Camp Leadership (3 cr)
Objectives, program, and philosophy of private, organizational, and school camp programs. One 3-4 day field trip. (Alt/ys)

Rec 256  Camp Counseling Practicum (2-3 cr, max 3)
For camp counselors who are employed by or assigned to approved camps. Cr granted on the basis of one cr for each two wks of camping. Student contracts with instructor for written work.
Prereq: Permission

Rec 260  Historical Perspectives of Leisure and Society (3 cr)
History of and expanding role of leisure in U.S. life; emphasis on factors influencing leisure; analysis of leisure values as related to the individual and society. (Fall only)

Rec 275  Computer Applications in Leisure Services (3 cr)
Introduction to computer software applicable to the recreation and leisure profession; software used to produce presentation graphics, desktop publishing, spreadsheets, web page creation, and print material for the leisure profession; Internet access for electronic mail, and Web searches through web search engines; intro to SPSS statistical software.

Rec 280  Recreation Practicum (1 cr, max 2)
Practical experience in agency recreation and leisure services. Forty clock hrs reqd a cr. Graded P/F.
Prereq: Permission of advisor

Rec 290  Wilderness First Responder (3 cr)
Wilderness First Responder is the accepted standard in wilderness medical training for guides, trip leaders, and outdoor professionals. This course covers the knowledge and skills needed to respond to back country medical and trauma situations. Over night field trip required. (Spring only)

Rec 299  (s) Directed Study (cr arr)

Rec 305  Teaching Golf III (2 cr)
This course will build on the concepts contained in the Analysis of Swing and the preseminar material for Philosophy and Swing Concepts. This course will examine swing philosophy; apply concepts to various situations; understand course management, physical fitness, and special populations; evaluate short game skills; identify and demonstrate different drills; and incorporate video technology.
Prereq: Rec 205

Rec 320  Outdoor Recreation Leadership (2 cr)
Consideration and examination of successful outdoor recreation leaders; contemporary issues, effective trip planning, and evaluation of outdoor trips. (Alt/yrs.)

**Rec 321 Wilderness Medicine and Evacuation (1 cr)**
Fundamentals of handling wilderness emergencies; instruction including prevention, recognition, evaluation, treatment, and evacuation of injured people in remote situations. One 2-day field trip. (Alt/yrs)

**Rec 329 Leadership in Recreation (3 cr)**
Intro to theories, methods, and styles of effective leadership; includes motivation, group dynamics, leadership skills, and abilities in the recreation and leisure setting. (Alt/yrs)

**Rec 340 Hospitality, Leisure, and Recreation Enterprises (3 cr)**
Introduction to hospitality and commercial leisure enterprises. The course will include food and beverage service operation, profit and cost accounting, techniques, marketing, advertising schemes and the relationship between business and leisure programs, services, and products. Field trips required. (Alt/yrs)

**Rec 365 Leisure and the Aging Process (3 cr)**
Recreation programming for the elderly based on aging process, cultural influences, and psychological and sociological aspects; visitation and field experience reqd. (Alt/yrs)

**Rec WS382 Hospitality Management and Organization (3 cr) **
Same as CSS 381.

**Rec 400 (s) Seminar (cr arr)**

**Rec 403 (s) Workshop (cr arr)**

**Rec 404 (s) Special Topics (cr arr)**

**Rec J405/J505 Professional Development (cr arr)**
Credit earned may not be applied toward grad degree program. Professional development and enrichment of recreational professionals. Additional projects/assignments required for graduate credit.

**Rec 410 Trends and Legal Issues in Leisure Services (3 cr)**
Current trends and legal issues in recreation and parks field; group discussion; background and experience in solving recreation problems through selected topics of current importance in recreation/parks field. (Alt/yrs)

**Rec 420 Experiential Education (2 cr)**
Philosophy and administration of adventure activities, initiative games, ropes courses, and their application to individual and group development; program development and staff development. Field trips required. (Alt/yrs)

**Rec 455 Design & Analysis of Research in HPERD (3 cr)**
Same as H&S 455 and PEP 455. This course is designed to survey the basic types of research methods often found in health, physical education, sport science, and recreation. A variety of research designs and computerized statistical analyses are studied to help students understand the systematic nature of problem solving. Various research problems as they relate to health, physical education, recreation, and human performance are discussed for the purpose of identifying the broad and diverse nature of research in the movement, leisure, and health professions. (Spring only)
**Prereq:** Junior or Senior standing

**Rec 487 Recreation Program Planning and Marketing (1 cr)**
Planning and development of recreation programs and implementation of marketing techniques; practical application emphasis.

**Rec 493 Management of Leisure Services and Facilities (3 cr)**
Planning and development; leadership, facilities, finances, services, and public relations. (Alt/yrs)

**Rec 495 (s) Practicum in Tutoring (1 cr, max arr)**
Tutorial services performed by advanced students under faculty supervision. Graded P/F.
**Prereq:** Permission

**Rec 498 (s) Internship in Recreation (cr arr)**
Supervised field work with a professional recreation agency.
**Prereq:** Rec 280, 445, and Senior standing

**Rec 499 (s) Directed Study (cr arr)**

**Rec 505 Professional Development (cr arr)**
See Rec J405/J505.
Rec 575  Leadership, Programming and Marketing (3 cr)
Studies of theories, methods, and styles of effective leadership. Includes group dynamics, motivation, team building and leadership skills. Planning and development of activity programs and implementation of marketing techniques. (Fall only)

Rec 585  Policy Analysis and Historical Perspectives of Leisure (3 cr)
Examination of the policy issues that affect the physical education and recreation fields; study of the historical significance of key events and individual contributions from cultural, social and economic points of view. (Fall or Summer only)

Rec 595  Budgeting, Financing and Managing Recreational Facilities (3 cr)
Policies and practices involved in budgeting, financing, acquisition, managing recreation agencies and facilities. (Spring only)

Rec 596  Recreation and Sport Management Behavior (3 cr)
Management behavior and strategies related to recreation and sport agencies, including leadership, supervision, and a variety of administrative issues. (Spring only)

Rec 598  (s) Internship (cr arr)
Supervised field experience in an appropriate leisure agency.
Prereq: Permission

Rec 599  (s) Non-thesis Master's Research (cr arr)
Research not directly related to a thesis or dissertation.
Prereq: Permission

Religious Studies
Janice Capel Anderson, Acting Coordinator (405 Morrill Hall 83844-3016; phone 208/885-6065).

RelS 133  Religion and Family (2 cr)
Overview of influence of religion on dating, courtship, marriage, and family life.

RelS 204  (s) Special Topics (cr arr)

RelS 208  Italian Renaissance Art and Culture (3 cr)
See Art 208.

RelS 302  Biblical Judaism: Texts and Thought (3 cr)
See Phil 302.

RelS 303  Early Christianity: Texts and Thought (3 cr)
See Phil 303.

RelS 307  Buddhism (3 cr)
See Phil 307.

RelS 308  Confucianism and Taoism (3 cr)
See Phil 308.

RelS 327  Belief Systems (3 cr)
See Anth 327.

RelS 375  The Bible as Literature (3 cr)
See Engl 375.

RelS 404  (s) Special Topics (cr arr)

RelS 414  Development of Social Theory (3 cr)
See Soc 414.

RelS 422  Plateau Indians (3 cr)
See Anth 422.

RelS 423  Religion, Culture and Society (3 cr)
See Soc 422.

RelS 442  The Medieval Church: Europe in the Early and High Middle Ages (3 cr)
See Hist 442.

RelS 448  The Reformation (3 cr)
See Hist 448.