DEPARTMENT OF HUMAN DIMENSIONS OF NATURAL RESOURCES

Office in Forestry Building, Room 233
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https://warnercnr.colostate.edu/hdnr/

Professor Michael Manfredo, Department Head
Paul Layden, M.S., Undergraduate Coordinator
Professor Alan Bright, Graduate Coordinator

Undergraduate Majors
• Major in Human Dimensions of Natural Resources
• Major in Natural Resource Tourism
  • Global Tourism Concentration
  • Natural Resource Tourism Concentration

Graduate Programs in Human Dimensions of Natural Resources
Programs lead to a Master of Science in Conservation Leadership, Master of Tourism Management and Master of Science and Doctor of Philosophy degrees in Human Dimensions of Natural Resources. Students interested in graduate work should refer to the Graduate and Professional Bulletin and the Department of Human Dimensions and Natural Resources (http://warnercnr.colostate.edu/hdnr-graduate-study/graduate-program).

Certificates
• Adventure Tourism
• Agritourism Management
• Ski Area Management

Master's Programs
• Master of Science in Conservation Leadership, Plan A
• Master of Science in Conservation Leadership, Plan B
• Master of Science in Human Dimensions of Natural Resources, Plan A
• Master of Tourism Management, Plan C

Ph.D.
• Ph.D. in Human Dimensions of Natural Resources*

*Please see department for program of study.

Courses
Subjects in this department include: Natural Resource Recreation and Tourism (NRRT).

Natural Resource Recreation and Tourism (NRRT)

NRRT 100 Foundations of Recreation and Tourism Credits: 3 (3-0-0)
Course Description: Current concepts, terminology, suppliers, and the social, economic, and personal benefits from recreation, leisure, and tourism.
Prerequisite: None.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 231 Principles-Parks/Protected Area Management Credits: 3 (3-0-0)
Course Description: Provide a broad but comprehensive understanding of the history, challenges, and practices of parks and protected areas management.
Prerequisite: None.
Registration Information: Sections may be offered: Online. Required field trips.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 262 Principles of Environmental Communication Credits: 3 (3-0-0)
Course Description: Principles of environmental communication, education, and interpretation for managing natural and cultural resources.
Prerequisite: None.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 270 Principles of Natural Resource Tourism Credits: 3 (3-0-0)
Course Description: Tourism and private commercial outdoor recreation industry in America.
Prerequisite: None.
Registration Information: Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 301 Conservation Leadership Credits: 3 (3-0-0)
Course Description: Approaches to conservation leadership.
Prerequisite: NRRT 262 and NRRT 231.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 320 International Issues-Recreation and Tourism Credits: 3 (3-0-0)
Course Description: History, development, and preservation of international parks, preserves, tourist and historical sites.
Prerequisite: None.
Registration Information: Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 231 Travel Abroad-Marine Ecotourism-Bahamas Credits: 3 (1-3-1)
Course Description: Environmental and socio-cultural aspects of marine ecotourism in the Bahamas.
Prerequisite: None.
Registration Information: Minimum GPA 2.500; 3 credits in natural sciences. Passport and ability to swim will be required.
Term Offered: Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 330 Social Aspects of Natural Resource Management Credits: 3 (3-0-0)
Course Description: Review social science concepts and research important to the way humans use and manage natural resources. Using lectures and readings on social theory and management frameworks, dissect current natural resource management issues. Case study presentations, exercises, and discussions will connect various social science approaches and theoretical frameworks to their natural resource applications.
Prerequisite: None.
Registration Information: Sophomore standing. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 331 Management of Parks and Protected Areas Credits: 3 (2-3-0)
Course Description: Comprehensive assessment of problems confronted by park professionals and the techniques and tools applied to their solution.
Prerequisite: NRRT 231 and NRRT 330.
Registration Information: Must register for lecture and laboratory.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 340 Principles in Conservation Planning and Mgmt Credits: 3 (3-0-0)
Course Description: Social, economic, legal, and ecological concepts that shape planning and management frameworks within conservation.
Prerequisite: NRRT 231.
Registration Information: Required field trips.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 350 Wilderness Leadership Credits: 3 (2-2-0)
Course Description: Practical and philosophical aspects of wilderness usage including safety, group dynamics, and backcountry skills.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: Yes.

NRRT 351 Wilderness Instructors Credits: 3 (2-2-0)
Course Description: Preparation to safely lead and instruct groups in outdoor wilderness programs; further refine skills including judgement and leadership.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: Yes.

NRRT 360 Group Decision Making in Natural Resources Credits: 3 (3-0-0)
Course Description: Theoretical, critical, and practical approaches to group decision making, collaboration, and teamwork related to natural resource management.
Prerequisite: NRRT 262.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 361 Natural Resources and the Media Credits: 3 (3-0-0)
Course Description: Representations of the environment in the media and strategies for effective media relations about natural resource issues.
Prerequisite: NRRT 262.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 362 Environmental Conflict Management Credits: 3 (3-0-0)
Course Description: Theoretical, critical and practical approaches to negotiation, mediation and conflict management strategies related to natural resources.
Prerequisite: NRRT 262.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 363 Outdoor Recreation Programming Credits: 3 (2-2-0)
Course Description: Develop administrative and program planning skills for private, public, and nonprofit recreation tourism organizations.
Prerequisite: NRRT 231 or NRRT 270.
Registration Information: Must register for lecture and laboratory.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 370 Managing Tourism in the E-Commerce Era Credits: 3 (3-0-0)
Course Description: E-commerce foundations, business models, and practices in the recreation and travel industry.
Prerequisite: NRRT 270.
Term Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 371 Techniques in Interpretation Credits: 3 (2-1-0)
Course Description: Intermediate techniques in interpretation including exhibit design and construction, personal program development and visitor studies.
Prerequisite: NRRT 262.
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 372 Tourism Promotion Credits: 3 (3-0-0)
Course Description: Explores different approaches for tourism marketing in order to develop a sound background in the field. Addresses the forces that drive change in the tourism marketplace; how marketing managers can most effectively position their services, destination and products, through a systems approach to capture today's traveler. Basic concepts and skills in tourism marketing are examined through problems and characteristics specific to tourism.
Prerequisite: NRRT 270.
Registration Information: Sophomore standing. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 375 Budgeting and Revenue Resources Credits: 3 (2-2-0)
Course Description: Budget development, presentation, types, techniques; computer-aided budgeting using spread sheets; revenue generating sources.
Prerequisite: NRRT 231 or NRRT 270.
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 376 Human Dimensions Research and Analysis Credits: 3 (2-2-0)
Course Description: Applies human dimensions (recreation) research and analysis techniques to natural resource issues. Predicated on the assumption that the best way to learn research methodology and statistics is to become directly involved in the process of scientific inquiry. Consequently, a considerable amount of time is devoted to conducting research tasks (e.g., developing surveys, analyzing data).
Prerequisite: STAT 201.
Registration Information: Sophomore standing. Must register for lecture and laboratory. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 384 Supervised College Teaching Credits: Var[1-18] (0-0-0)
Course Description: 
Prerequisite: None.
Registration Information: A maximum of 10 combined credits for all 384 and 484 courses are counted towards graduation requirements.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 400 Environmental Governance Credits: 3 (3-0-0)
Course Description: Theory and practice of prevalent environmental governance approaches in diverse social and environmental contexts.
Prerequisite: NRRT 231.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 401 Collaborative Conservation Credits: 3 (3-0-0)
Course Description: Guiding principles and practices for effectively engaging stakeholders in conservation issues and natural resource management.
Prerequisite: NRRT 231 or NRRT 262.
Registration Information: Required field trips. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: Yes.

NRRT 425 Communication for Tourism Credits: 3 (3-0-0)
Course Description: Exploration and practical application of communication theories, concepts, and techniques for successful communication in the context of tourism industry practice.
Prerequisite: NRRT 372.
Registration Information: Junior standing.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 431 Integrated Planning for Conservation Credits: 3 (3-0-0)
Course Description: Integrated planning practices within public and private lands that work at the interface of social and ecological dimensions of conservation.
Prerequisite: (NRRT 231) and (LAND 220 or LIFE 220).
Restriction: Must be a: Undergraduate.
Registration Information: Required field trips. 
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: Yes.

NRRT 432 Foundations of Forest Recreation Credit: 1 (0-0-1)
Course Description: History, philosophy, role, and sources of information of the Forest Service and National Forest System.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 433 Meeting Needs of Recreation Users Credits: 4 (0-0-4)
Course Description: Visitor behavior, communications and conflicts, working with volunteers, programs, partnerships, quality service, and role of interpretive services.
Prerequisite: None.
Registration Information: Written consent of instructor. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 434 Recreation Special Uses and Appeals Credits: 3 (0-0-3)
Course Description: Special use benefits, authorities, planning, terms and conditions, administration and kinds, appeal review, discretionary review and decisions.
Prerequisite: None.
Registration Information: Written consent of instructor. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 435 Trails, Facility Design, Operation, Maintenance Credits: 3 (0-0-3)
Course Description: Trail planning, development, maintenance; recreation site planning, design operation, maintenance; visitor and resource protection.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 436 Recreation, Visual, Cultural Resource Management Credits: 2 (0-0-2)
Course Description: Economic analysis, recreation opportunity spectrum, visual and cultural resource management.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 437 Off-Road Vehicle, River, and Winter Recreation Credits: 2 (0-0-2)
Course Description: History, authorities, planning, management, and coordination of off-road, river, and winter recreation.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 438 Management of Wilderness Credits: 2 (0-0-2)
Course Description: Forest Service role, management principles, legislative differences, components, public education, visitor management, and wilderness management skills.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 439 Open Space and Natural Area Management Credits: 3 (3-0-0)
Course Description: Acquisition of, planning for, and management of local government and private open space and natural areas.
Prerequisite: NRRT 440 or NRRT 331.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 440 Applications in Environmental Communication Credits: 3 (3-0-0)
Course Description: Application of tools and techniques for communicating to audiences about issues related to conservation, environment and sustainability.
Prerequisite: NRRT 262.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 441 Spatial Analysis of Protected Areas Credits: 3 (2-2-0)
Course Description: Spatial analytical techniques used in planning and managing protected areas, including locating, managing, and assessing parks.
Prerequisite: NRRT 231.
Registration Information: Must register for lecture and laboratory.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 442 Tourism Planning Credits: 3 (3-0-0)
Course Description: Examines the relationship among tourists, tourist developments and the planning of tourist attractions and services. Focuses on the planning of tourist resources and programs within a geographic region, as well as at a destination and site level. Planning tools and design concepts are reviewed and analyzed. A regional strategic planning process is applied to the development of a regional tourism plan in Colorado.
Prerequisite: NRRT 270.
Registration Information: Junior standing. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 443 Trails, Facility Design, Operation, Maintenance Credits: 3 (3-0-0)
Course Description: Trail planning, development, maintenance; recreation site planning, design, operation, maintenance; visitor and resource protection.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 444 Recreation, Visual, Cultural Resource Management Credits: 3 (3-0-0)
Course Description: Economic analysis, recreation opportunity spectrum, visual and cultural resource management.
Prerequisite: None.
Registration Information: Written consent of instructor required. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 445 Open Space and Natural Area Management Credits: 3 (3-0-0)
Course Description: Acquisition of, planning for, and management of local government and private open space and natural areas.
Prerequisite: NRRT 440 or NRRT 331.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 446 Applications in Environmental Communication Credits: 3 (3-0-0)
Course Description: Application of tools and techniques for communicating to audiences about issues related to conservation, environment and sustainability.
Prerequisite: NRRT 262.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 462 Environmental Communication-Natural Resources Credits: 3 (3-0-0)
Course Description: Exploration and application of theories, concepts, and techniques for successful environmental communication in natural resources.
Prerequisite: NRRT 262.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 463 Non-Profit Administration in Conservation Credits: 3 (3-0-0)
Course Description: Role of NGOs in protected-area management and conservation education; models for development, including grant writing, in conservation.
Prerequisite: NRRT 231 and NRRT 262.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 470 Tourism Impacts Credits: 3 (3-0-0)
Course Description: Examine the impacts of tourism from several distinct, but interrelated perspectives: social, political, economical, environmental, and technological. Limits to future tourism growth are discussed and possible strategies to mitigate impacts are detailed. Case studies are used to highlight issues discussed.
Prerequisite: NRRT 270.
Registration Information: Junior standing. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 471 Starting and Managing Tourism Enterprise Credits: 3 (3-0-0)
Course Description: Concepts surrounding the starting, planning, and managing of a tourism business with a small business creation and management approach. Focus is given to: (1) connections between commercial recreation/tourism and entrepreneurship, (2) starting and managing a business including selecting the form of business, raising funds, financial/marketing management, and (3) legal aspects including identifying and minimizing risks, supervision of workers and employment laws.
Prerequisite: NRRT 231 or NRRT 270.
Registration Information: Junior standing. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 473 Ski Area Management Credits: 3 (3-0-0)
Course Description: Ski area management; history and trends, ski area operations, human resource management, environmental issues, liability, resort planning and design.
Prerequisite: NRRT 270.
Registration Information: Senior standing.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 483 Off-Campus Study Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Special Course Fee: No.

NRRT 487 Internship Credits: Var[4-12] (0-0-0)
Course Description:
Prerequisite: NR 387.
Registration Information: Junior standing. Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 495A Independent Study: Administration Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 495B Independent Study: Management Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 495C Independent Study: Interpretation Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 496 Group Study Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

NRRT 499 Senior Thesis Credits: Var[1-18] (0-0-0)
Course Description: Independent research project culminating in thesis presented to faculty mentor.
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 504 Water-Based Recreation Credits: 2 (2-0-0)
Course Description: Identify issues and management strategies for recreation utilization of water resources.
Prerequisite: None.
Registration Information: Written consent of instructor required.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 505 Environmental Education History and Theory Credits: 3 (3-0-0)
Course Description: History and theories, planning and instruction; outcomes, historical events; ecological literacy; experiential learning models.
Prerequisite: None.
Registration Information: Upper-division course in natural resources. Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 506 Methods in Environmental Education Research Credits: 3 (3-0-0)
Course Description: Research methods and designs; literature reviews, needs assessments and program evaluation of environmental education in informal settings.
Prerequisite: None.
Registration Information: Upper-division course in natural resources. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 507 Environmental Education Planning Credits: 3 (3-0-0)
Course Description: Informal learning theory; evaluation models focused on education in informal settings such as nature centers, zoos, etc.
Prerequisite: None.
Registration Information: One upper-division course in natural resources, biological sciences, or ecology. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 508 Current Issues in Environmental Education Credits: 3 (3-0-0)
Course Description: Impact of current events, legislation, demographic changes, and other events on informal environmental education.
Prerequisite: None.
Registration Information: One upper-division course in natural resources, biological sciences, or ecology. Offered as a correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 509 Science Education in Informal Settings Credits: 3 (3-0-0)
Course Description: Theory, application of teaching environmental science in informal settings—nature centers, zoos, etc. Inquiry, safety, group management, experience.
Prerequisite: None.
Registration Information: Upper division course in natural resources or related field. NOTE: This course does not count toward State teacher licensure.
Terms Offered: Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 520 Perspectives on Ski Area Management Credits: 2 (2-0-0)
Course Description: Introduction to the history of skiing, the ski industry, and ski area management around the world.
Prerequisite: None.
Registration Information: Bachelor’s degree required. This is a partial semester course. Offered as an online course only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 521 Sustainable Ski Area Management Credits: 2 (2-0-0)
Course Description: Examines sustainability issues that relate specifically to ski resort development and management.
Prerequisite: NRRT 520, may be taken concurrently.
Registration Information: This is a partial semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 522 Ski Area Operations and Human Resources Credits: 2 (2-0-0)
Course Description: Examines ski area operations and services.
Prerequisite: NRRT 520, may be taken concurrently.
Registration Information: This is a partial semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 523 Strategic Ski Area Marketing and Management Credits: 2 (2-0-0)
Course Description: Examines strategic management and marketing concepts within a ski area context.
Prerequisite: NRRT 520, may be taken concurrently.
Registration Information: This is a partial semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 524 Ski Area Finance and Investment Credits: 2 (2-0-0)
Course Description: Examines finance and investment considerations relevant to ski area operations and management.
Prerequisite: NRRT 520, may be taken concurrently.
Registration Information: This is a partial semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 525 Ski Area Planning and Development Credits: 2 (2-0-0)
Course Description: Examines the various planning and design considerations for ski area development and expansion.
Prerequisite: NRRT 520, may be taken concurrently.
Registration Information: This is a partial semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 530 Insight into the Adventure Tourism Industry Credits: 2 (2-0-0)
Course Description: Definitions of adventure tourism, and relevant leisure, outdoor education, and tourism theories and frameworks are discussed and critically examined. Key stakeholders are identified, along with current and future trends, opportunities, and challenges. The need for sustainable practices and cross-cultural understanding and communication within adventure tourism is also emphasized.
Prerequisite: None.
Registration Information: This is a partial semester course. Offered as an online course only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 531 Building an Adventure Tourism Enterprise  Credits: 2 (2-0-0)
Course Description: Entrepreneurial skills and know-how to successfully build an adventure tourism enterprise. As most adventure tourism businesses are small-to-medium enterprises, there is a need for students to understand the fundamentals of how to develop an adventure tourism concept and turn it into a successful business.
Prerequisite: None.
Registration Information: This is a partial semester course. Offered as an online course only.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 532 Leading the Adventure Tourism Experience  Credits: 2 (2-0-0)
Course Description: Skills and knowledge to successfully plan and lead an adventure tourism experience. Focus is given to leadership and facilitation strategies, guiding standards and best practices, and the importance of environmental and cultural education and interpretation for guests. This is in addition to quality programming and logistics, ensuring guest safety through risk mitigation, emergency planning and crisis management, public relations, and guest management.
Prerequisite: NRRT 530, may be taken concurrently.
Registration Information: This is a partial semester course. Offered as an online course only.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 533 Adventure Tourism Policy and Planning  Credits: 2 (2-0-0)
Course Description: Key stakeholders and policies that influence the adventure tourism industry. This involves a detailed examination of adventure tourism standards and regulations, in addition to broader government policies that influence the environment within which the adventure tourism industry is situated. As many adventure tourism ventures operate on public lands, the role of public land agencies and their relationships with adventure tourism operators are also closely examined.
Prerequisite: NRRT 530, may be taken concurrently.
Registration Information: This is a partial semester course. Offered as an online course only.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 534 Applications in the Outdoor Products Industry  Credits: 2 (2-0-0)
Course Description: Outdoor products industry and the various steps involved in developing an outdoor product and bringing it to market. Focus is placed on identifying and understanding the outdoor products consumer, product development processes, product aesthetics and functionality, the unique characteristics of branding, selling, and distributing outdoor products, current and future trends, and the diverse career opportunities that exist within the outdoor products industry.
Prerequisite: NRRT 530, may be taken concurrently.
Registration Information: This is a partial semester course. Offered as an online course only.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 541 Overview & Trends of Agritourism Management  Credits: 2 (2-0-0)
Course Description: Agritourism sector concepts and emerging business opportunities. Identify and assess agritourism sector data describing industry supply and demand attributes and examine key distinguishing aspects of agritourism enterprise. Regulatory frameworks and policy, community and economic development dimensions, and review case studies specific to new agritourism oriented opportunities.
Prerequisite: None.
Registration Information: Graduate standing. This is a partial semester course. Offered as an online course only. Required field trips.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 542 Spatial & Community Dimensions of Agritourism  Credits: 2 (2-0-0)
Course Description: Advanced analysis methodology and the use of data in enterprise valuation, market analysis and the assessment of the agritourism sector. Distinguishing aspects of agritourism supply and economic development dimensions that target tourism demand enhancement. Creative market assessment methods are employed to illustrate concepts and analysis, including spatial, economic impact and trip evaluation techniques.
Prerequisite: NRRT 601.
Registration Information: Graduate standing. This is a partial semester course. Offered as an online course only.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 543 Agritourism Enterprise Management  Credits: 2 (2-0-0)
Course Description: Examines the role of agritourism in the agricultural economy and provides students with frameworks to identify and assess opportunities for agritourism development. Focusing on determinants of business success and the role and importance of comprehensive business planning. Students will develop and present a comprehensive business plan for a prototype agritourism business as a requirement of this course.
Prerequisite: None.
Registration Information: Graduate standing. This is a partial semester course. Offered as an online course only.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 548 Ecotourism  Credits: 3 (3-0-0)
Course Description: Concept of ecotourism, impacts associated with ecotourism, and role of education/interpretation in mitigating these impacts.
Prerequisite: NRRT 470.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 550 Research-Human Dimensions Natural Resources  Credits: 3 (3-0-0)
Course Description: Theory, research, literature review, hypothesis development, scientific writing, proposal development.
Prerequisite: None.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 600  Tourism Industry Concepts and Practices  Credits: 2 (2-0-0)
Course Description: Fundamental tourism theories and concepts that lay the groundwork for understanding tourists and the tourism industry. Based on the interdisciplinary nature of tourism studies, covers the broad range of fundamental theories and interrelated concepts that guide decision-making in the tourism industry. Focuses on several key themes aimed to capture the primary areas of conceptual thinking and analysis in contemporary tourism.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 601  Tourism Quantitative Analysis I  Credits: 2 (1-2-0)
Course Description: Statistical techniques used by researchers to inform and support tourism decision-making. Emphasis is placed on understanding data manipulation techniques and what statistics are appropriate for addressing applied decision-making problems.
Prerequisite: STAT 312.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections may be offered as Mixed Face-to-Face or Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 602  Tourism Quantitative Analysis II  Credits: 2 (2-0-0)
Course Description: Quantitative analysis methods to specific tourism problems. Students explore visitor intercept techniques and identify other local, regional, national and international institutional data sources, including “Big Data” analytic engines. Using these sources, students estimate destination demand, supply and economic impact as well as perform competitive analysis in a variety of settings.
Prerequisite: NRRT 601.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections may be offered as Mixed Face-to-Face or Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 605  Human Dimensions of Natural Resources Theory  Credits: 3 (3-0-0)
Course Description: Application of theories and conceptual approaches from social sciences to study of recreation behavior and natural resource issues.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 610  Natural Resource Management and Tourism  Credits: 2 (2-0-0)
Course Description: Explores nature-based tourism and the planning and management of experiences and impacts. Review the tourism system as it is applied in the natural resource setting, define and describe outdoor recreation motivations, describe the covenants and institutions that govern international development globally, and apply the measurement of supply, demand, and economic impact in the natural-based tourism realm. Apply these techniques in comprehensive planning and compliance activities.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections may be offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 615  Sustainable Tourism Development Foundation  Credits: 2 (2-0-0)
Course Description: Theory, practice, history, terminology and issues surrounding sustainable tourism development. Sustainable tourism planning and management are examined in the context of sustainable livelihoods. A comprehensive survey of sustainable tourism components – including indicators of sustainability, community participation, poverty alleviation, alternative tourism, governance and power, and socio-environmental responsibility – will be covered from a systems thinking perspective.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 620  Organizational Management in Tourism  Credits: 2 (2-0-0)
Course Description: Application of management concepts to tourism organizations. Topics include managing ethics, diversity, and globalization; planning, decision-making, and competitive advantage; organizational structure and design; leading individuals and groups, and controlling communication and information technology. Discussions, exercises, and case studies will allow students to apply management principles to the tourism organizations.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 625 Communication/Conflict Management in Tourism Credits: 2 (2-0-0)
Course Description: Managerial communication skills and negotiation tools and their implications for effective organizational communication and management of potential conflicts faced by managers in the tourism industry.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 650 Financial Management in Tourism Credits: 2 (2-0-0)
Course Description: Apply financial concepts to the management of tourism businesses. Financial accounting aspects of finance, including development and analysis of financial statements are covered. Management accounting aspects of finance include forecasting and budgeting; analysis of profit, and profitability; and working capital management. Application of capital budgeting techniques, time value of money, and business valuation are emphasized.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 655 Tourism Marketing Concepts and Applications Credits: 2 (2-0-0)
Course Description: Marketing theories and concepts and their application within a travel and tourism organizational context. The travel and tourism industry has unique characteristics that create a variety of problems and opportunities specific to that industry and important for tourism marketing professionals.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 660 Law and Legal Liability in Tourism Credits: 2 (2-0-0)
Course Description: Concepts of legal liability, business law, and risk management to travel, tourism, and hospitality organizations. Topics include contract law, agency law, business organization and formation; torts and legal liability; employment law and labor-management relations, and the protection of organization assets through risk management.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections offered as Mixed Face-to-Face or Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 662 Global Tourism Policy Credits: 2 (2-0-0)
Course Description: Major international policies, trends, and challenges facing tourism. Provides an understanding of policies, programs, and regulations and how international tourism is affected.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections may be offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 665 Survey Research and Analysis Credits: 3 (2-2-0)
Course Description: Survey research, design, and analysis in human dimensions of natural resources.
Prerequisite: NRRT 565 and STAT 301.
Restriction: Must be a: Graduate, Graduate cooperative program, Professional.
Registration Information: Must register for lecture and laboratory.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 666 Qualitative Research in NRRT Credits: 3 (3-0-0)
Course Description: Qualitative approaches to tourism research and techniques from a range of disciplinary backgrounds; methodological aspects.
Prerequisite: NRRT 565.
Restriction: Must be a: Graduate, Professional.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 671 Strategic Management for Travel and Tourism Credits: 2 (2-0-0)
Course Description: Factors, tools, and techniques for strategic management of a travel and tourism business or organization.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. Sections may be offered as Mixed Face-to-Face or Online.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 679A Current Topics in Nature Based Tourism Credit: 1 (0-0-1)
Course Description: Current topics in nature-based travel and tourism.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Graduate standing. Students will enroll for this course during both the Fall and Spring semesters.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

NRRT 679B Current Topics in Nature Based Tourism Credit: 1 (0-0-1)
Course Description: Current topics in nature-based travel and tourism.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Graduate standing. Students will enroll for this course during both the Fall and Spring semesters.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
NRRT 695A Independent Study: Administration Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 695B Independent Study: Management Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 695C Independent Study: Interpretation Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 695D Independent Study: Landscape Planning Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 698 Research Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 699 Thesis Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 784 Supervised College Teaching Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 798 Research Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

NRRT 799 Dissertation Credits: Var[1-18] (0-0-0)
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

Restaurant and Resort Management (RRM)

RRM 101 Hospitality Industry Credits: 3 (3-0-0)
Course Description: Food service, lodging, and tourism industries; exploration of various industry segments and career opportunities.
Prerequisite: None.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 200 Hotel Operations Credits: 3 (3-0-0)
Course Description: Front office and room management as related to resorts and hotels. Computer application, financial controls, employee and guest relations.
Prerequisite: RRM 101.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 310 Food Service Systems-Operations Credits: 3 (3-0-0)
Course Description: Technical operations: menu planning, evaluation, recipe standardization, forecasting, food cost, sanitation, hospital food distribution systems.
Prerequisite: None.
Registration Information: Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 311 Food Service Systems-Production and Purchasing Credits: 3 (3-0-0)
Course Description: Quantity food production principles, purchasing specifications, market channels.
Prerequisite: RRM 310.
Registration Information: Sections may be offered: Online.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.
RRM 312 Hospitality Human Resource Management Credits: 3 (2-0-1)
Course Description: Principles and practices of employee management in the hospitality industry including employment process, training, legal aspects, performance.
Prerequisite: RRM 310.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 330 Alcohol Beverage Control and Management Credits: 2 (2-0-0)
Course Description: Classification, production, and service of controlled beverages; management of facilities and people; safe service training; financial controls.
Prerequisite: CHEM 103, may be taken concurrently or CHEM 107, may be taken concurrently or CHEM 111, may be taken concurrently.
Term Offered: Fall.
Grade Modes: S/U within Student Option, Trad within Student Option.
Special Course Fee: No.

RRM 340 Restaurant Operations Credits: 5 (0-10-0)
Course Description: Principles, practices, philosophies, systems for daily operation of casual or fine dining restaurant; focus on developing solutions to problems.
Prerequisite: RRM 101, may be taken concurrently.
Registration Information: Written consent of instructor.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 345 Food, Beverage, and Labor Cost Control Credits: 3 (3-0-0)
Course Description: Cost control for food, beverage, and labor in the hospitality industry.
Prerequisite: ACT 205 and CS 110.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 350 Hospitality Marketing Credits: 3 (3-0-0)
Course Description: Operations marketing, including consumer behaviors, marketing strategies, and marketing plans in the hospitality industry.
Prerequisite: RRM 101.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 386 Practicum Credits: 3 (0-0-9)
Course Description: Practicum in Hospitality Management.
Prerequisite: RRM 101.
Terms Offered: Fall, Spring, Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

RRM 400 Food and Society Credits: 3 (2-0-1)
Course Description: Exploration of the influence of food, dining, and nutrition on cultural aspects of the human experience.
Prerequisite: SOC 100 or PSY 100.
Registration Information: Completion of AUCC 3D and AUCC 3E requirements. Must register for lecture and recitation.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 410 Food Safety Management Credits: 2 (2-0-0)
Course Description: Management and practical applications of safe food service including sanitation, food borne illness, worker hygiene, proper food temperatures and handling, hazard analysis critical control points, local/state/federal health rules and regulations. ServSafe® Manager Certification.
Prerequisite: (CHEM 103 or CHEM 107 or CHEM 111) and (RRM 310).
Registration Information: Junior standing.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: Yes.

RRM 415 Catering Techniques and Culinary Arts Credits: 3 (0-6-0)
Course Description: Management of advanced techniques in culinary technique; catering of food and beverages for special functions.
Prerequisite: RRM 311.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: Yes.

RRM 450 Leadership in the Hospitality Industry Credits: 3 (3-0-0)
Course Description: Exploration of leadership skills, their relationship to ethics through self-analysis, and leading change in the hospitality industry.
Prerequisite: RRM 310 and MGT 305.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 460 Event and Conference Planning Credits: 3 (2-0-1)
Course Description: Overview of event planning and management. Explores key concepts critical to the success of any event and current trends in the industry.
Prerequisite: NRRT 270 or RRM 101.
Registration Information: Junior standing. Must register for lecture and recitation. Required field trips. Credit not allowed for both RRM 460 and NRRT 460.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 487 Internship: Hospitality Management Credits: 3 (0-0-9)
Course Description:
Prerequisite: RRM 200 and RRM 311, may be taken concurrently.
Registration Information: Junior standing.
Terms Offered: Fall, Spring, Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

RRM 492 Seminar on Hospitality Management Credits: 3 (0-0-3)
Course Description: Applying and synthesizing service knowledge and management functions; project discussions, benchmark presentations, execution of a capstone project.
Prerequisite: MKT 305.
Terms Offered: Fall, Spring.
Grade Mode: Instructor Option.
Special Course Fee: Yes.
RRM 500  Understanding Food  Credits: 3 (3-0-0)
Course Description: Role of food in the creation of identity, as a driver of
technology, and the prominent role food plays in the media.
Prerequisite: RRM 400.
Registration Information: RRM 400 or admission to the GPIdea M.S. in
Dietetics program. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 510  Foodservice Management  Credits: 2 (1-0-1)
Course Description: Analysis of a wide variety of foodservice operations,
including procurement, forecasting, operational design, and menu
planning.
Prerequisite: NRRT 402 or NRRT 471.
Registration Information: Must register for lecture and recitation. This is
a partial-semester course. Offered as Mixed Face-to-Face only.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 520  Lodging Management  Credits: 2 (1-0-1)
Course Description: Operating standards and practices essential to the
profitability of a hotel, lodging, and accommodation enterprise.
Prerequisite: NRRT 442 or NRRT 471.
Registration Information: Must register for lecture and recitation. This is
a partial-semester course. Offered as Mixed Face-to-Face only.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

RRM 686  Practicum-Food Service Management  Credit: 1 (0-4-0)
Course Description: Food production, menu planning, nutritional analysis
and food costing.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.