

Natural Resources Distance Learning Consortium

URL <http://nrdlc.iddl.vt.edu>

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THE NEED

Renewable Natural Resources Foundation Report

- 50% of SES in natural resources can retire, now
- 45% of GS 14 – 15 in natural resources can retire, now
- GS 3 – 13 having high turnover rates, also

- Universities have opportunities

- Deliver natural resource education through non-traditional learning technologies
- Significant need for professional degrees in natural resources, eg. MNR

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WHY?

- What are Natural Resource employees looking for?
 - Single Courses
 - gain expertise for their particular job
 - confidence in Distance Learning style
 - Certificate Programs
 - gain expertise for their specific program area
 - 12 – 15 cr. curriculum for complex programs
 - Graduate Degrees –
 - professional growth and development, 33 cr.
 - portable credentials

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Why Virginia Tech?

- College of Natural Resources
 - Joint Venture Agreement with USDA Forest Service
 - Developing courses to meet Agency needs
 - Developing beyond the traditional
- Institute for Distance and Distributed Learning
 - Among The Top Ranked in U.S.
 - Delivering 24/7 – 365, World Wide
 - 400 Courses on line

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“community of interest”

- Natural Resources Distance Learning Consortium
 - Virginia Tech – College of Natural Resources
 - University of Idaho – College of Natural Resources
 - Northern Arizona University – College of Forestry
 - University of Montana – College of Forestry and Conservation
 - Penn State – World Campus
 - U Tenn – Martin – Natural Resources & Agr
 - Stephen F Austin St. Univ – College of Nat. Res.
 - Oregon State University – College of Forestry
 - North Carolina State University – Wood Products
- USDA Forest Service
- DOI Bureau of Land Management
- DOI National Park Service
- National Wildland Fire Management Agency

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Agency Needs

- Price sensitivity
- Blended education program development
 - On-line delivery, video technology, field programs
- Collaborative approaches
- Inventory methodologies
- Upper division undergrad courses with grad courses

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Public Lands and Realty

- Foundations of Federal Lands
 - History of Public Lands - 1776 to Present
- Public Lands and Realty Principles
 - Fundamental Principles of Public Lands Real Estate
 - Focus - FS, BLM, COE, NPS, DOD
- Public Lands Valuation
 - Principles of Real Estate Valuation on Public Lands

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Natural Resource Fall Courses

- Fall 2007
 - Natural Resources Law & Policy
 - Global Issues in Natural Resources
 - Conservation Ecology
 - Urban Ecology
 - Natural Resources Economics
 - Foundations of Federal Land management

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Natural Resources Courses - Spring

- Spring 2008
 - Global Issues in Natural Resources
 - Interdisciplinary Recreation Planning
 - Recreation Design and Development
 - Foundations of Federal Land Management
 - Conservation Ecology
 - Partnership & volunteerism
 - Modern Wildlife management
 - Public Ecology
 - Ecological Economics
 - Natural Resources Communications Applications

Interdisciplinary Recreation Planning

- Background
 - Leading recreation professional and practitioners throughout the country with the Federal: (USFS, BLM, COE, NPS), State: CO, WV, and Local: (Fairfax, VA) and professional societies: (NRPA, ASLA)

Interdisciplinary Recreation Planning

- Overview of Course (major components)
 - Recreation philosophy & personal development
 - Integrated Planning and Leadership
 - Recreation planning and interpretation
 - Natural resource policies, procedures and standards
 - Communications and public involvement
 - Social and economic dimensions

Interdisciplinary Recreation Planning

- Overview of Course (major components)
 - Recreation resource inventories
 - Project and business management
 - “Life –cycle” of recreation planning, design and operations and maintenance
 - Final term paper: specific project or recreation planning activity related to the real world at the Federal, State, Local or Private level

Recreation Design and Development

● Background

- **Leading recreation professional and practitioners throughout the country with the Federal: (USFS, BLM, COE, NPS), State: CO, WV, and Local: (Fairfax, VA) and professional societies: (NRPA, ASLA)**

Recreation Design and Development

Were advisors and contributors to the development of the course:

- **Information/ data,**
- **interviews, PowerPoint presentations**
- **outstanding case studies, including : concepts, preliminary and final drawings, specs, contract administration and operations manuals, and Web-site access**

Assures that students will have access to the most current knowledge and expertise of practicing recreational professionals

Recreation Design and Development

- Overview of Course (major components)
 - Overview of recreation and development
 - Transition from recreation planning to design and development
 - Project identification and design narrative
 - Project planning and team development
 - Preliminary design and final design and development

[Students can take the course as a designer or natural resource specialist]

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Recreation Design and Development

- Overview of Course (major components)
 - Construction documents and bid package
 - Construction, administration and inspection
 - Operations and maintenance, post construction and evaluation
 - Final term paper on recreation design and development at the Federal, State, Local or private level.

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Benefits of the Recreation Courses to the Student and Their Organization

Students will understand and practice the “State of the Art” in Recreation Planning and Design at Federal, State, Local and private levels.

Students will understand how to professionally participate in an interdisciplinary planning and/or design team and be able to manage the entire “life-cycle” of recreation

Benefits of the Recreation Courses to the Student and Their Organization

- Students will meet qualifications to the new Federal OPM “401” series; resulting personal promotions; and benefits to the agency.
- Students will more effectively communicate with the public , their peers, and other Federal, State, Local or private counterparts, concerning all aspects of recreation

Contact

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Masters of Science in Resource Interpretation at Stephen F. Austin State University SFA - Microsoft Internet Explorer provided

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Address <http://www2.sfasu.edu/msri/courses.htm> Go Links

SFA

Program | Apply | Courses | People | NPS Partnership | Resources

Resource Interpretation

COURSE REQUIREMENTS



The requirements for the NPS-SFA partnership masters degree in resource interpretation (MSRI) include 30 credit hours (15 hours of core courses, 9 hours of restricted electives, and 6 hours of thesis research and writing) and the completion of a field experience in interpretation.

COURSE DESCRIPTIONS

Core Courses (5 courses, 15 hours total):

HOME

PROGRAM

APPLY

COURSES

PEOPLE

Internet

Masters of Science in Resource Interpretation at Stephen F. Austin State University SFA - Microsoft Internet Explorer provided

Address: <http://www2.sfasu.edu/msri/courses.htm>

COURSE OFFERINGS FOR FALL SEMESTER:

CORE COURSES
FOR 567 501 Oral Interpretive Programs (IDP **Module 103**)
FOR 568 501 Interpretive Writing (IDP **Module 230**)

ELECTIVES
FOR 571 Curriculum-based Interpretive (IDP **Module 270**)
FOR 572 Interpretive Planning (IDP **Module 310**)
FOR 573 Interpretive Leadership (IDP **Module 330**)
FOR 542 Human Dimensions

COURSE OFFERINGS FOR SPRING SEMESTER:

CORE COURSES
FOR 569 Interpretive Research and Evaluation
FOR 570 Field-based and Multimedia Interpretive Programs (IDP **Modules 210**)
FOR 580 Adv Professional Interpretation (IDP **Module 340**)

ELECTIVES
FOR 574 Advanced Interpretive Media and Graphics (IDP **Module 311**)
FOR 564 Data Analysis

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NRDLC: Certificates of Graduate Study - Microsoft Internet Explorer provided by USDA Forest Service

Address: <http://nrdlc.iddl.vt.edu/cert.php?id=27>

NAME	DEPT	INSTRUCTOR	NEXT	CU's
Conservation Ecology (NR 5724)	Natural Resources Program	Trauger	8/2007	3
Foundations of Federal Land Management (NR 5984)	Natural Resources Program	Evans	8/2007	3
Global Issues in Natural Resources (NR 5114)	Natural Resources Program	Hammett	8/2007	3
Interdisciplinary Recreation Planning (NR 5984)	Natural Resources Program	Leopold	8/2007	3
Modern Wildlife Management (NR 5984)	Natural Resources Program	Evans	5/2007	3
Partnerships and Volunteerism (AEE 5154)	Agricultural and Extension Education	TBA	not scheduled	3
Public Ecology: Understanding and Managing Human Ecosystems in a Changing World (PSCI 5364)	Political Science	Robertson	1/2007	3
Public Lands and Realty Principles (NR 5984)	Natural Resources Program	Evans	1/2007	3
Recreation Design and Development (NR 5984)	Natural Resources Program	Leopold	1/2007	3
Urban Ecology (NR 5984)	Natural Resources Program	Robertson	8/2007	3

NRDLC: Course List - Microsoft Internet Explorer provided by USDA Forest Service

Address: <http://nrdlc.iddl.vt.edu/courselist.php>

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NAME	DEPT	INSTRUCTOR	NEXT	CUIS	MEMBER
Global Issues in Natural Resources (NR 5114)	Natural Resources Program	Hammett	8/2007	3	Virginia Polytechnic Institute and State University
Modern Wildlife Management (NR 5984)	Natural Resources Program	Evans	5/2007	3	Virginia Polytechnic Institute and State University
Natural Resources Law and Policy (NR 5984)	Natural Resources Program	Paul	5/2007	3	Virginia Polytechnic Institute and State University
Managing the Wilderness Resource (RECM/FOR 472)	College of Forestry and Conservation	Gunderson	6/2007	4	University of Montana
LANDFIRE: Concepts, Data, and Methods (FOR 437)	Forest Resources	TBA	not scheduled	1	University of Idaho
Ecology (RNGE 221)	Rangeland Ecology & Management	TBA	8/2007	3	University of Idaho
Restoration Ecology Practicum (CSS 580)	Conservation Social Sciences	TBA	6/2007	2	University of Idaho
Wetlands Restoration (FISH 540)	Fish and Wildlife Resources	TBA	9/2007	3	University of Idaho
Human Dimension/Restoration Ecology (CSS 572)	Conservation Social Sciences	TBA	1/2008	3	University of Idaho

Internet