

# Natural Resources Management (NRM)

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**NRM 150. Natural Resource Management Orientation. 1 Credit.**

Introduction to natural resources management issues, concepts, and careers.

**NRM 199. Special Topics. 1-5 Credits.****NRM 225. Natural Resources & Agrosystems. 3 Credits.**

Introduction to scientific theories and their relation to natural resources and agriculture. Influence of these theories on current perspectives toward the environment. 3 lectures. Cross-listed with RNG 225.

**NRM 264. Natural Resource Management Systems. 3 Credits.**

General principles of natural resource management, including soil and water conservation, soil and wind erosion, use of tillage and vegetation for conservation, drainage, irrigation, and soil and water quality. 3 lectures. Prereq: MATH 103, MATH 104 or MATH 107. Cross-listed with ASM 264 and SOIL 264.

**NRM 291. Seminar. 1-3 Credits.****NRM 322. Environmental Law and Policy. 3 Credits.**

This course explores selected environmental laws with discussions of federal, state, and local laws; management of natural resources via regulatory policies; and the legal system including levels of government, types of law, and mechanisms for regulating externalities. Prereq: Junior standing.

**NRM 379. Study Tour Abroad. 1-6 Credits.****NRM 391. Seminar. 1-3 Credits.****NRM 394. Individual Study. 1-5 Credits.****NRM 397. Fe/Coop Ed/Internship. 1-4 Credits.****NRM 401. Urban-Ecosystem Management. 3 Credits.**

An interdisciplinary management survey examining the urban/rural interface and environmental and social factors driving the process of urbanization as a sustainable ecosystem. {Also offered for graduate credit - see NRM 601.}

**NRM 402. River and Stream Resource Management. 3 Credits.**

The structure and function of river and stream ecosystems: biotic and abiotic functioning, stream and river ecological theories, management and monitoring practices. {Also offered for graduate credit - see NRM 602.}

**NRM 420. Scenarios in Natural Resources Management. 2 Credits.**

An interdisciplinary course designed to understand the driving forces that will shape future natural resource management actions and philosophies. {Also offered for graduate credit - see NRM 620.}

**NRM 421. Environmental Outreach Methods. 3 Credits.**

Introduction to philosophies, theories, and methods common to environmental education and outreach. {Also offered for graduate credit - see NRM 621.}

**NRM 431. National Environmental Policy Act & Environmental Impact Assessment. 3 Credits.**

The interaction and effects of the National Environmental Policy Act (NEPA) with national environmental policy; implementation of the NEPA; public opinion on the state of the environment.; introduction to EIS (Environmental Impact Statements). {Also offered for graduate credit - see NRM 631.}

**NRM 432. Environmental Impact Statement. 2 Credits.**

A comprehensive overview of the Environmental Impact Statement (EIS) planning process, document preparation, and project management. {Also offered for graduate credit - see NRM 632.}

**NRM 453. Rangeland Resource/Watershed Management. 3 Credits.**

Study of the management of physical/biological settings and processes along with human activities on water and watersheds considering preventative and restorative strategies in a rangeland setting. Prereq: RNG 336 or NRM 225 or RNG 225. Cross-listed with RNG 453. {Also offered for graduate credit - see NRM 653.}

**NRM 454. Wetland Resources Management. 3 Credits.**

Principles of wetland systems, wetland management, wetland functions, wetland delineation, wetland assessment, and wetland improvement. Prereq: SOIL 210. Cross-listed with RNG 454 and SOIL 454. F (even years) {Also offered for graduate credit - see NRM 654.}

**NRM 462. Natural Resource and Rangeland Planning. 3 Credits.**

Capstone experience for School of Natural Resources Sciences majors: students use advanced planning tools and different management strategies to demonstrate integrated knowledge in managing public and private natural resources. Prereq: at least senior standing and must be a Natural Resources Management, Range Science or Soil Science major. Cross-listed with RNG and SOIL. {Also offered for graduate credit - see NRM 662.}

**NRM 491. Seminar. 1-5 Credits.****NRM 494. Individual Study. 1-5 Credits.****NRM 496. Field Experience. 1-15 Credits.****NRM 499. Special Topics. 1-5 Credits.****NRM 601. Urban-Ecosystem Management. 3 Credits.**

An interdisciplinary management survey examining the urban/rural interface and environmental and social factors driving the process of urbanization as a sustainable ecosystem. {Also offered for undergraduate credit - see NRM 401.}

**NRM 602. River and Stream Resource Management. 3 Credits.**

The structure and function of river and stream ecosystems: biotic and abiotic functioning, stream and river ecological theories, management and monitoring practices. {Also offered for undergraduate credit - see NRM 402.}

**NRM 620. Scenarios in Natural Resources Management. 2 Credits.**

An interdisciplinary course designed to understand the driving forces that will shape future natural resource management actions and philosophies. {Also offered for undergraduate credit - see NRM 420.}

**NRM 621. Environmental Outreach Methods. 3 Credits.**

Introduction to philosophies, theories, and methods common to environmental education and outreach. {Also offered for undergraduate credit - see NRM 421.}

**NRM 631. National Environmental Policy Act & Environmental Impact Assessment. 3 Credits.**

The interaction and effects of the National Environmental Policy Act (NEPA) with national environmental policy; implementation of the NEPA; public opinion on the state of the environment; introduction to EIS (Environmental Impact Statements). {Also offered for undergraduate credit - see NRM 431.}

**NRM 632. Environmental Impact Statement. 2 Credits.**

A comprehensive overview of the Environmental Impact Statement (EIS) planning process, document preparation, and project management. {Also offered for undergraduate credit - see NRM 432.}

**NRM 653. Rangeland Resource/Watershed Management. 3 Credits.**

Study of the management of physical/biological settings and processes along with human activities on water and watersheds considering preventative and restorative strategies in a rangeland setting. Cross-listed with RNG 653. {Also offered for undergraduate credit - see NRM 453.}.

**NRM 654. Wetland Resource Management. 3 Credits.**

Principles of wetland systems, wetland management, wetland functions, wetland assessment, and wetland improvement. {Also offered for undergraduate credit - see NRM 454.}.

**NRM 662. Natural Resource and Rangeland Planning. 3 Credits.**

Capstone experience for School of Natural Resources Sciences majors: students use advanced planning tools and different management strategies to demonstrate integrated knowledge in managing public and private natural resources. Cross-listed with RNG and SOIL. {Also offered for undergraduate credit - see NRM 462.}.

**NRM 690. Graduate Seminar. 1-3 Credits.**

**NRM 696. Special Topics. 1-5 Credits.**

**NRM 701. Terrestrial Resources Management. 3 Credits.**

Management and ecology of heterogeneous landscapes where ecosystem processes and human activities interact as dynamic components. Prereq: BOT 660 and BOT 754.

**NRM 702. Natural Resources Management Planning. 3 Credits.**

Presentation of the principles, practices and key policy issues of natural resources management and planning.

**NRM 720. Natural Resource Administration & Policy. 2 Credits.**

A comprehensive analysis of the theory of externalities and their application to the design of natural resources policy. Prereq: ECON 681, NRM 702.

**NRM 730. Environmental Law. 1 Credit.**

Overview of the subject of environmental law.

**NRM 790. Graduate Seminar. 1-3 Credits.**

**NRM 791. Temporary/Trial Topics. 1-5 Credits.**

**NRM 793. Individual Study. 1-5 Credits.**

**NRM 794. Practicum. 1-10 Credits.**

**NRM 795. Field Experience/Coop. 1-15 Credits.**

**NRM 796. Special Topics. 1-5 Credits.**

**NRM 797. Master's Paper. 1-3 Credits.**

**NRM 798. Master's Thesis. 1-10 Credits.**

**NRM 899. Doctoral Dissertation. 1-15 Credits.**