

NATURAL RESOURCES MANAGEMENT, M.N.R.M.

Degree Requirements

Program Requirements

Students follow an individual study plan that includes a minimum of 21 credit hours (12 credit hours of required course work plus 9 credit hours of elective courses), with the option of up to 30 credit hours, plus a thesis or practicum.

The compulsory courses for the MNRM thesis and practicum streams are:

- NRI 7222 Human Dimensions of Natural Resources and Environmental Management (3)
- NRI 7232 Ecological Dimensions of Resource and Environmental Management (3)
- NRI 7182 Sustainability, Economics, and Natural Resources (3)

In addition:

Thesis Stream

- NRI 7262 Master's Thesis Research Seminar (3)

or

Practicum Stream

- NRI 7380 Project Management in Natural Resources and Environmental Management (3)

The central academic agenda of the required set of courses includes: Assessment of the theoretical foundations and practical applications of progress toward sustainable management of natural resources; understanding of ecosystems as self-organizing and responding systems; examination of conventional and alternative social arrangements, including institutions and tools of governance, as a means of improving human well-being and environmental responsibility; and exposure to theories of resource and environmental management processes and tools.

Expected Time to Graduate: 2 years

Progression Chart

| Course | Title | Hours |
|---|--|-------|
| Year 1 | | |
| GRAD 7300 | Research Integrity Tutorial | 0 |
| GRAD 7500 | Academic Integrity Tutorial | 0 |
| Select 12 credit hours from the following required courses: | | 12 |
| NRI 7222 | Human Dimensions of Natural Resources and Environmental Management | |
| NRI 7232 | Ecological Dimensions of Resource and Environmental Management | |
| NRI 7262 or NRI 7380 | Master's Thesis Research Seminar or Project Management in Natural Resources and Environmental Management | |

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|---|---|--------------|
| NRI 7182 | Sustainability, Economics, and Natural Resources | |
| Select 9 to 18 credit hours from the following; or, other U of M courses at the 3000 level or above: ¹ | | 9-18 |
| NRI 7160 | Projects in Natural Resources Management 1 | |
| NRI 7170 | Projects in Natural Resources Management 2 | |
| NRI 7110 | Field Seminar | |
| NRI 7180 | Sustainable Development and Natural Resources | |
| NRI 7190 | Natural Resources Administration and Law | |
| NRI 7200 | The Role of Information Management in Sustainable Resource Use | |
| NRI 7242 | Resource and Environmental Management Policy | |
| NRI 7252 | Environmental Management Practice | |
| NRI 7290 | Environmental Impact Assessment | |
| NRI 7302 | Conservation Biology and Biodiversity Management | |
| NRI 7320 | Environmental Risk and Hazards | |
| NRI 7330 | Water Resources: Analysis, Planning and Management | |
| NRI 7340 | Environmental Justice and Ecosystem Health | |
| NRI 7350 | Study Design and Quantitative Methods for Resource and Environmental Management | |
| NRI 7360 | Qualitative Field Methods for Community-based Resource and Environmental Management | |
| NRI 7370 | Sustainable Livelihoods, Food Resources and Community Food Security | |
| NRI 7070 | Readings in Natural Resources Management 1 | |
| NRI 7080 | Readings in Natural Resources Management 2 | |
| Hours | | 21-30 |
| Year 2 | | |
| GRAD 7000 or GRAD 7030 | Master's Thesis or Master's Practicum | 0 |
| GRAD 7020 | Master's Re-registration | 0 |
| Hours | | 0 |
| Total Hours | | 21-30 |

¹ At least 6 of the 9-18 NRI course credit hours must come from this list.

Most students do not complete all courses in the first year. The thesis committee is set up and the proposal meeting takes place.

The proposal, first draft and oral defence meetings are required. The proposal meeting is held in year 1 followed by data collection, analysis and writing in year 2 leading to a first draft meeting followed by the oral defence document. For more information on the thesis process, please refer to the MNRM student Handbook at the Natural Resources Institute.