Integrated Analytic Methods and Skills Requirement Course List

Students are required, at some point during their time enrolled in the program, to take 2 courses composing at least 3 credits from a faculty-approved list of courses that focus on integrative analytic methods and skills. The faculty-approved existing courses that satisfy this requirement are listed below:

**Fall**

447 – Forest Ecology Management
530 - Decision-Making for Sustainability
531 – Principles of GIS
533 – Negotiation Skills
535 – Mediation Skills
547 – Forest Ecology
552 – Ecosystem Services
553 – Diverse Farming Systems
564 – Localization Seminar
567 – Social Vulnerability & Adaptation to Environ Change
570 – Environmental Economics
572 – Environmental Impact Assessment
578 – Urban Stormwater
597 – Environmental Systems Analysis
677 – Climate Adaptation Seminar
687 – Landscape Planning

**Winter**

501 – Science and Management of the Great Lakes
531 – Principles of GIS
532 – Natural Resource Conflict Management
541 – Remote Sensing
545 - Applied Ecosystem Modeling
549 – Analysis and Modeling of Ecological Data
550 – Systems Thinking for Sustainable Development
557 – Industrial Ecology
569 – Stakeholder Network Analysis
581 – Advanced Education for Environment and Sustainability
589 – Ecological Restoration
610 – Advanced LCA Methods and Software Tools