

**MASTER FORESTRY  
PROGRAM REVIEW FORM**

STUDENT NAME: \_\_\_\_\_

EXPECTED GRADUATION DATE: \_\_\_\_\_

STUDENT ID: \_\_\_\_\_

**SUMMER MODULES**

- F&ES 001 Urban Ecosystem Analysis
- F&ES 002 Land Measurement and Mapping
- F&ES 003 Ecosystem Measurement

**SUMMER INTERNSHIP/RESEARCH**

- F&ES 006 Internship/Research

Please check all courses completed and indicate courses that will be completed with an asterisk.

**A. Basic Knowledge****1. Biological Science** (three courses from different topic areas)a. **Topic Area:** Tree Physiology, Morphology and Taxonomy

- F&ES 654A Structure, Function and Development of Trees and Other Vascular Plants
- F&ES 656B Physiology of Trees and Forests
- F&ES 671A Natural History and Taxonomy of Trees
- F&ES 731B Tropical Field Botany
- F&ES 679A, Plant Ecophysiology
- Approved Other: \_\_\_\_\_

b. **Topic Area:** Forest Ecology, Forest Dynamics

- F&ES 660A Forest Dynamics: Growth & Development of Forest Stands
- F&ES 752A Ecology and Conversation of Tropical Forests
- Approved Other: \_\_\_\_\_

c. **Topic Area:** Ecosystem and Community Ecology

- F&ES 530A Ecosystems and Landscapes
- F&ES 740B Dynamics of Ecological Systems
- F&ES 717 Field Ecology
- Approved Other: \_\_\_\_\_

d. **Topic Area:** Forest Health

- F&ES 674B Seminar in Forest Health and Sustainability
- F&ES 650B, Fire: Science and Policy
- F&ES TBD, Ecology, Economics, and Politics of Species Invasion
- Approved Other: \_\_\_\_\_

**2. Physical Sciences** (two courses from different topic areas)a. **Topic Area:** Soils and Geology

- F&ES 709A Soil Science
- F&ES 515A Physical Sciences for Environmental Management

**b. Topic Area:** Hydrology

- F&ES 515A Physical Sciences for Environmental Management
- F&ES 708A Biogeochemistry and Pollution
- F&ES 714B Environmental Hydrology
- F&ES 724B Watershed Cycles and Processes
- F&ES 644A Watershed Science
- F&ES 732A Hydrology & Riverine Geomorphology
- Approved Other: \_\_\_\_\_

c. **Topic Area:** Biometeorology

- G&G 322A Physics of Weather and Climate
- Approved Other: \_\_\_\_\_

**3. Social Sciences** (two courses, one from each topic area)a. **Topic Area:** Social and Political Ecology & Anthropology

- F&ES 520A Society & Environ. Intro to Theory & Method
- F&ES 836A Agrarian Societies: Culture, Society, History and Development
- F&ES 839A Social Science of Development and Conservation
- F&ES 764A The American West: A Case Study in Social Structure, Culture, and Politics
- F&ES 831B Society and Natural Resources
- Approved Other: \_\_\_\_\_

b. **Topic Area:** Policy Science & Law

- F&ES 525A The Politics and Practice of Environmental and Resource Policy
- F&ES 739B Species and Ecosystem Conservation: an Interdisciplinary Approach
- F&ES 824A Environmental Law and Policy
- F&ES 826A Foundations of Natural Resource Policy & Management
- F&ES 829A International Environmental Policy Governance
- F&ES 825A International Environmental Law and Policy
- F&ES 859B Natural Resource Law
- Approved Other: \_\_\_\_\_

## B. Frameworks and Skills

### 1. Economics (one course)

- F&ES 505A Economics of the Environment
- F&ES 680A Forest and Ecosystem Finance
- F&ES 802B Valuing the Environment
- F&ES 804B Economics of Natural Resource Management
- F&ES 795B Nature as Capital: Merging Ecological and Economic Models
- Approved Other \_\_\_\_\_

### 2. Silviculture (one course)

- F&ES 659B Principles in Applied Ecology: the Practice of Silviculture
- Approved Other \_\_\_\_\_

### 3. Measurement (one course)

- F&ES 510A Introduction to Statistics for the Environmental Sciences
- F&ES 751B Sampling Methodology and Practice
- F&ES 753A Regression Modeling of Ecological and Environmental Data
- F&ES 758B Multivariate Statistical Analysis in the Environmental Sciences
- F&ES 781B Applied Spatial Statistics
- F&ES 780B Seminar in Forest Inventory
- Approved Other \_\_\_\_\_

### 4. GIS (one course strongly recommended)

- F&ES 726B Remote Sensing: Observing the Earth from Space
- F&ES 755B Modeling Geographic Space
- F&ES 756A Modeling Geographic Objects

## C. Synthesis and Analysis

### 1. Management of Forest Resources (one course)

- F&ES 657B Managing Resources
- F&ES 658A Global Resources, International Resources Exchanges, and the Environment
- F&ES 819B Strategies for Land Conservation
- F&ES 954A Management Plans for Protected Areas
- F&ES 964B Large-Scale Conservation: Integrating Science, Management, and Policy
- F&ES 760B Conservation in Practice: An International Perspective
- Approved Other \_\_\_\_\_

### 3. Professional Ethics (required)

- F&ES 009 Professional Ethics

### 2. Professional Skills (one course)

- F&ES 550A Natural Science Research Methods
- F&ES 767B Tools for Conservation Project Design and Management
- F&ES 551A Mixed-Methods for Social Research: Qualitative, Network Science and Digital Text
- F&ES 741B Introduction to Indigenous Silviculture
- F&ES 669B Forest Management Operations
- F&ES 675B Growth and Yield Modeling
- Approve Other \_\_\_\_\_

### 4. Leadership

- PSC Short Course:

## D. Capstone

- F&ES 837B Seminar on Leadership in Natural Resources and the Environment
- F&ES 676B Forest Ecosystem Management and Operations
- Approve Project Course: \_\_\_\_\_

## E. Field Trips (one week long field trip)

- F&ES 668B Field Trips in Forest Resource Management and Silviculture
- F&ES 670B Southern Forest and Forestry Field Trip
- Approved Other \_\_\_\_\_

STUDENT'S SIGNATURE: \_\_\_\_\_

ADVISOR'S SIGNATURE: \_\_\_\_\_

MF PROGRAM COORDINATOR SIGNATURE: \_\_\_\_\_

REGISTRAR'S SIGNATURE: \_\_\_\_\_

Return to the Registrar's Office by February 1<sup>st</sup>