

**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&amp;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>