Approved Restricted Elective Courses for MFR degree

*Highly recommended* courses appear in *darker shaded italics* below. All courses listed in each area are approved for that area.

**Ecology and Biology** (9 credits minimum required)

- **SEFS 501 Forest Ecosystems – Community Ecology** (5 cr)
- **SEFS 507 Soils and Land Use Problems** (4 cr)
- SEFS 514 Advanced Forest Soil Fertility and Chemistry (4 cr)
- SEFS 535 Fire Ecology (4 cr)
- SEFS 541 Advanced Landscape Ecology (5 cr)
- ESRM 410 Forest Soils and Site Productivity (5 cr)
- ESRM 441 Landscape Ecology (5 cr)
- ESRM 450 Wildlife Ecology and Conservation (5 cr)
- ESRM 478 Plant Ecophysiology (5 cr)

**Measurement of Forest Resources** (10 credits minimum required)

- **SEFS 520 Geographic Information Systems in Forest Resources** (5 cr)
- **Q SCI 482 Statistical Inference in Applied Research** (5 cr)
- SEFS 564 Advanced Forest Biometry (3 cr or 5 cr)
- QSCI 480 Sampling Theory for Biologists (3 cr)
- QSCI 483 Statistical Inference in Applied Research II (5 cr)
- QSCI 486 Experimental Design (4 cr)
- ESRM 430 Remote Sensing of the Environment

**Management of Forest Resources** (10 credits minimum required)

- **SEFS 540 Optimization Techniques for Natural Resources** (5 cr)
- **ESRM 425 Ecosystem Management** (5 cr)
- **ESRM 468 Forest Operations** (5 cr)
- SEFS 525 Wildland Hydrology (4 cr)
- ESRM 403 Forest and Economic Development in the Developing World (4 cr)
- ESRM 420 Wildland Fire Management (5 cr)
- ESRM 426 Wildland Hydrology (4 cr)
- ESRM 428 Principles of Silviculture and Their Application (5 cr)

**Forest Resource Policy, Economics, and Administration** (7 credits minimum required)

- **ESRM 465 Economics of Conservation** (3 cr)
- **ESRM 470 Natural Resource Policy and Planning** (5 cr)
- ESRM 400 Natural Resource Conflict Management (3 cr)
- ESRM 423 International Trade, Marketing and the Environment (3 cr)