FORESTRY (FOR)

Courses

FOR 001. Forest Conservation. 3 Credits.
Introduction to the ecology and management of American forests: forest distribution, ownership, and ecological factors, species interactions, multi-resource management goals, and silvicultural practices. Cannot be taken by Junior/Senior-level Rubenstein School of Environment and Natural Resources students.

FOR 013. Intro to Wildlife Tracking. 1 Credit.
This outdoor course is designed to introduce the student to wildlife track identification and analysis at the UVM Jericho Research Forest. Cross-listed with: WFB 013.

FOR 014. Wildlife Trail Analysis. 1 Credit.
This outdoor course is designed to introduce the student to analysis and interpretation of wildlife trails at the UVM Jericho Research Forest. Cross-listed with: WFB 014.

FOR 015. Wildlife Track Analysis. 1 Credit.
This course introduces students to the details and clues left inside animal tracks including major body movements including speed, changes of direction and head position. Cross-listed with: WFB 015.

FOR 021. Dendrology. 0 or 4 Credits.
Classification, silvical characteristics, and identification features of native and introduced trees and shrubs.

FOR 073. Small Woodland Management. 3 Credits.
Concepts of forest ecology, resource inventory, cultural practices, and multiple use management for small woodland areas.

FOR 081. Forestry Seminar. 1 Credit.
Readings and discussions introducing current issues in forestry. Prerequisite: Rubenstein School of Environment and Natural Resources students only.

FOR 090. Internship. 1-3 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

FOR 095. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

FOR 111. Nat Res Ecol and Assessment 1. 0 or 4 Credits.
Basic, essential field and assessment skills; knowledge needed in upper-level classes and jobs in forestry, wildlife, fisheries, or natural resources.

FOR 112. Nat Res Ecol and Assessment 2. 4 Credits.
Introduces concepts and skills important for assessing forest ecosystem structure and functioning to inform forest management and other natural resource conservation decisions.

FOR 121. Forest Ecology Laboratory. 0 or 2 Credits.
Application of ecological principles in the analysis of forest communities. Prerequisite: FOR 021.

FOR 122. Forest Ecosystem Analysis. 4 Credits.
An integrated field course to investigate, through quantification and interpretation, the flora, fauna, and abiotic components (soils, physiography, water, and microclimate) of a selected forest ecosystem. Prerequisites: FOR 121, NR 140.

FOR 146. Remote Sensing of Natural Res. 0 or 3 Credits.
Identification, interpretation, measurement, and mapping of natural resources from aerial photographs and satellite imagery. Labs include air photo interpretation and digital image analysis. Prerequisite: Junior standing. Alternate years. Cross-listed with: NR 146, GEOG 185.

FOR 152. Forest Resources Values. 3 Credits.
History, methods, and current issues associated with the nonmarket and market values of forest-based resources, including aesthetics, wildlife, recreation, water, and timber. Prerequisite: EC 012 or CDAE 061. Cross-listed with: PRT 152.

FOR 182. Advanced Forestry Seminar. 1 Credit.
In-depth examination of contemporary issues in forestry. Prerequisite: Junior standing in Forestry. Credit arranged.

FOR 190. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

FOR 191. Forestry Work Practicum. 1-9 Credits.
Supervised work experience in forest resource area. Credit arranged.

FOR 192. Forestry Work Practicum. 1-9 Credits.
Supervised work experience in forest resource area.

FOR 193. Independent Study. 1-18 Credits.
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

FOR 195. Special Topics. 1-18 Credits.
Readings, investigations, and lectures in selected forest resource subjects.

FOR 197. Teaching Assistantship. 1-3 Credits.
Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

FOR 198. Undergraduate Research. 1-18 Credits.
Undergraduate student work on individual or small research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

FOR 222. Advanced Silviculture. 0 or 3 Credits.
Scientific basis and contemporary status of silviculture practices. Prerequisite: FOR 223. Alternate years, 2000-01.
FOR 223. Multi-Resource Silviculture. 0 or 4 Credits.
Theory and application of forest stand maintenance/manipulation for forest ecosystem sustainability. Topics: Silvics, regeneration, tree improvement, protection, stand structure/dynamics/tending, and multi-resource perspectives. Prerequisite: NR 103.

FOR 225. Tree Structure & Function. 3 Credits.
Basic anatomy and physiology of trees and other woody plants, emphasizing their unique structural and physiological adaptations to the environment. Prerequisite: Instructor permission.

FOR 228. Ecosystems Ecology. 3 Credits.
Examination of the structure and function of terrestrial ecosystems focusing on carbon and nutrient cycles. Laboratory sessions involve spatial modeling and data analysis. Prerequisites: NR 103, BCOR 102, PSS 161, or Graduate student standing. Cross-listed with: NR 228.

FOR 233. Management of Forest Woodlots I. 3 Credits.
Introduction to the knowledge and skills required for serving forest management needs of small properties in New England and beyond. Prerequisite: FOR 223.

FOR 235. Forest Ecosystem Health. 4 Credits.
Forest health is a broadly defined, emerging discipline in forestry and ecology that examines the agents and processes affecting tree and forest decline. Prerequisites: NR 103, BIOL 001 and BIOL 002 or PBIO 004, FOR 021.

FOR 272. Sustain Mgmt Forest Ecosys. 0 or 4 Credits.
Principles of long-term planning and plan implementation in support of sustainable forestry; Adaptive management; biodiversity and ecosystem health; major management planning project. Prerequisites: FOR 122, NR 205, FOR 223.

FOR 275. Forest Watershed Management. 0 or 3 Credits.
Concepts of forest hydrology and forest watershed management; emphasis on natural processes and impacts of quantity, quality, and seasonal distribution of flow from watersheds. Prerequisite: NR 102.

FOR 290. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

FOR 291. Undergraduate Research. 1-18 Credits.
Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Findings submitted in written form as prescribed by department. Offered at department discretion Prerequisite: Senior standing.

FOR 292. Undergraduate Research. 1-18 Credits.
Undergraduate student work on individual or small research projects under the supervision of a faculty member, for which credit is awarded. Findings submitted in written form as prescribed by department. Offered at department discretion Prerequisite: Senior standing.

FOR 293. Independent Study. 1-18 Credits.
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

FOR 295. Advanced Special Topics. 1-18 Credits.
Advanced special topics courses or seminars in forestry beyond the scope of existing formal courses. Prerequisites: Minimum Junior standing; Instructor permission.

FOR 297. Teaching Assistantship. 1-3 Credits.
Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

FOR 299. Honors. 1-6 Credits.
Honors project dealing with the biology and/or management of forest ecosystems. See Program Chair.