RENEWABLE NATURAL RESOURCES • RNR

General education courses are marked with stars (*).

★ 1001 Natural Resource Conservation (3) F,S,Sa Prereq.: permission of instructor. May be taken for a max. of 4 sem. hrs. of credit. Topics covered vary with the needs of the student and availability of faculty.

1002 Issues in Natural Resource Management (1) F,S Prereq.: for RNR majors only; credit or registration in RNR 1001. Discusssions of the ecological, economic, sociocultural, and political factors that affect human relationships with the natural environment and the exploitation and conservation of water, forest, range, wildlife, wetland, and fisheries resources.

1003 Introduction to Wildlife Management (2) F,S,Sa Life history, habitat requirements, and management of wildlife; emphasis on species of sporting and economic value; careers in wildlife management.

1004 Conservation of Forest Resources (2) F,S,Sa Resources of forest and range land, including wood, wildlife, recreation, forage, and water; techniques of multiple-use management of forest lands.

2001 Dendrology (3) F 1 hr. lecture; 6 hrs. lab. Students are responsible for paying for travel expenses associated with this course. Prerequisites: RNR 2101, 3002, 3103.

2002 Introduction to Fishes and Aquaculture (3) F 2 hrs. lecture; 3 hrs. lab. Students are responsible for paying for travel expenses associated with this course. This course may be taken for a max. of 4 sem. hrs. of credit. Topics covered vary with the needs of the student and availability of faculty.

2031 Principles of Wildlife Management (3) F Wildlife conservation and management; ecology and management of wildlife in relation to the objectives of consumptive and nonconsumptive interest groups.

2033 Introduction to Renewable Natural Resource Policy (3) F Development and implementation of policies in renewable natural resources; current environmental issues.

2043 Wood Science and Forest Products (3) F,S 2 hrs. lecture; 3 hrs. lab. Structural components of wood and identifying characteristics; basic physical properties; manufacture and uses of forest products.

2061 Problems in Natural Resource Management (1-4) F,S,Sa Prereq.: RNR 2102, 1000, 1002. General ecological principles tied to the conservation and management of plant and animal populations; emphasis on how populations interact in communities and ecosystems.

2102 Wildlife Management Techniques (4) F,S Prereq.: BIOL 1202, 1209, RNR 1001, 1002. Discusssions of the ecological, economic, sociocultural, and political factors that affect human relationships with the natural environment and the exploitation and conservation of water, forest, range, wildlife, wetland, and fisheries resources.

2103 Wildlife Management Techniques (3) F Prereq.: RNR 2001. Basic knowledge of personal computers and e-mail is assumed. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3000 Natural Resource Measurements and GIS (3) F 2 hrs. lecture; 3 hrs. lab. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3001 Silviculture (3) F Prereq.: RNR 2001. Basic knowledge of personal computers and e-mail is assumed. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3004 Photogrammetry, GPS, and GIS (3) F Prereq.: permission of department. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3034 Field Studies in Dendrology (1) F Prereq.: RNR 2001. One week of field practice. Prerequisites: RNR 3002, 3103; 1 hr. lab. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3036 Field Studies in Vegetation (2) F,S Prereq.: RNR 3103. Two weeks of field practice. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3037 Field Studies in Silviculture (1) F Prereq.: RNR 2101, 3002, and 3103. One week of field practice. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3038 Field Studies in Timber Harvesting (1) F Prereq.: RNR 3002 and 3103. One week of field practice. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3039 Field Studies in Wood Utilization (1) F Prereq.: RNR 3002 and 3103. One week of field practice. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3041 Forest Practice (1-4) F,S,Sa 1-4 weeks practicum. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3042 Forest Protection (1-4) F,S,Sa 1-4 weeks practicum. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3102 Principles of Wildlife Management (3) F Wildlife conservation and management; ecology and management of wildlife in relation to the objectives of consumptive and nonconsumptive interest groups.

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3104 Forest Practice (3) F,S,Sa 1-3 weeks practicum. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3105 Principles of Wildlife Management (3) F Wildlife conservation and management; ecology and management of wildlife in relation to the objectives of consumptive and nonconsumptive interest groups.

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3107 Principles of Wildlife Management (3) F Wildlife conservation and management; ecology and management of wildlife in relation to the objectives of consumptive and nonconsumptive interest groups.

3108 Ecology of Louisiana Wildlife (4) S Prereq.: RNR 3001, 2 hrs. lecture; 6 hrs. lab. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3109 Principles of Wildlife Management (3) F Wildlife conservation and management; ecology and management of wildlife in relation to the objectives of consumptive and nonconsumptive interest groups.

3110 Wildlife Management Techniques (3) F Prereq.: RNR 2001. Basic knowledge of personal computers and e-mail is assumed. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3111 Wildlife Management Techniques (3) F Prereq.: RNR 2001. Basic knowledge of personal computers and e-mail is assumed. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3112 Wildlife Management Techniques (3) F Prereq.: RNR 2001. Basic knowledge of personal computers and e-mail is assumed. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.

3113 Wildlife Management Techniques (3) F Prereq.: RNR 2001. Basic knowledge of personal computers and e-mail is assumed. Students are responsible for paying for travel expenses associated with this course. Topics covered vary with the needs of the student and availability of faculty.
7016 Current Topics and Techniques in Conservation Science (3) F 2 hrs. lecture; 3 hrs. lab. Scientific basis for the preservation of biodiversity; conservation strategies of government and non-government organizations; current status of biodiversity around the world; new techniques applicable to conservation biology; quantitative exercise with predictive demography (PVA), biodiversity at the population and community levels, fragmentation and other landscape effects, and genetics of small populations.

7018 Habitat Management Principles (4) F-E 2 hrs. lecture; 6 hrs. lab. Students are responsible for paying for travel expenses associated with this course. Principles of management applied to habitat evaluation; endangered species; mitigation; global trends of habitat quality and change.

7020 Ecology of Fishes (3) S-O Prereq.: BIOL 4253 or equivalent. Ecology of fish populations; interactions of fishes and their environment; behavioral adaptations of fishes.

7025 Advanced Aquaculture (3) Su Prereq.: RNR 4022 or equivalent. 4 hrs. lecture; 6 hrs. lab with occasional extended field trips. Students are responsible for paying for travel expenses associated with this course. Systems and practices for maximizing production and profit of cultured aquatic species; emphasis on international aquaculture systems, exotic species, and preparation of management plan for commercial aquaculture.

7026 Shellfisheries Aquaculture (4) F-O Prereq.: RNR 4022 and BIOL 4154; or equivalent. 3 hrs. lecture; 3 hrs. lab. Principles and practices for culturing commercially important crustaceans and mollusks including soft crabs, marine shrimp, freshwater prawns, crawfish, oysters, clams, and mussels; emphasis on environmental requirements, facility development, hatchery and production management, budgets, and processing and markets.

7027 Genetics and Culture of Finfish (4) S-O Prereq.: RNR 4022 and BIOL 2153; or equivalent. 3 hrs. lecture; 3 hrs. lab. Practical culture techniques and methods of breeding for genetic improvement of commercially important finfish.

7029 Advanced Topics in Renewable Natural Resources (1-4) V May be taken for a max. of 6 sem. hrs. of credit when topics vary.

7036 Advanced Topics in Forest Biometrics and Forest Management (3) V Prereq.: EXST 7014 and RNR 4036; or equivalent. Theory and practices involved in predicting growth and yield of forest stands; applications of linear and goal programming, biometrics, and capital budgeting to timber and multiple-use management.

7041 Advanced Wood Science (4) V Prereq.: RNR 2043. 3 hrs. lecture; 3 hrs. lab. Topics in wood science, including review of selected literature; anatomical, physical, and chemical properties of wood, with emphasis on wood products.

7061 Water Quality Management and Policy (3) See ENVS 7061.

7070 Graduate Seminar in Fisheries (1) F,S,Su May be taken for a max. of 4 sem. hrs. of credit when topics vary.

7071 Graduate Seminar in Forestry (1) F,S May be taken for a max. of 3 hrs. of credit. Pass-fail grading.

7072 Graduate Seminar in Wildlife (1) F,S,Su May be taken for a max. of 4 sem. hrs. credit when topics vary. Topics of current interest in wildlife science and management.

7151 Watershed Hydrology and Floodplain Analysis (3) Prereq.: AGRO 2051 or RNR 4151 or consent of instructor. 2 hrs. lecture; 3 hrs. lab. Also offered as ENVS 7151. Hydrologic processes and principles on watersheds and floodplains; interactions among water resources, water quality, land use, and management practices; hydrologic modeling of natural landscapes.

7320 Fisheries Oceanography (3) F See OCS 7320.

7424 Diseases of Aquatic Animals (3) Prereq.: consent of instructor. Basic microbiology and/or parasitology strongly recommended. 2 hrs. lecture; 2 hrs. lab. Same as PBS 7424. Identification, pathogenesis, and control of viral, bacterial, and parasitic agents causing diseases in aquatic animals.

8000 Thesis Research (1-12 per sem.) ”S”/”U” grading.

8900 Research Problems in Natural Resources (1-3) F,S,Su May be taken for a max. of 6 sem. hrs. of credit. Pass-fail grading.

9000 Dissertation Research (1-12 per sem.) ”S”/”U” grading.