FIN 3120 Financial Management II 3(3)
Continuation of the two-course sequence that begins with FIN 3110. Includes Honors sections. Preq: FIN 3060 or FIN 3110, each with a C or better.

FIN 3980 Creative Inquiry - Finance 1(1-4)
In consultation with and under the direction of a faculty member, students pursue scholarly activities individually or in teams. These creative inquiry projects may be interdisciplinary. Arrangements with mentors must be established prior to registration. May be repeated for a maximum of six credits. Preq: Consent of faculty member/mentor.

FIN 3990 Finance Internship 1-3(1-3)
Preplanned, preapproved, faculty-supervised internships to gain students on-the-job learning in support of classroom education. Internships must be no fewer than six full-time, consecutive weeks with the same internship provider. Restricted to students with a major or minor in Financial Management. To be taken Pass/No Pass only. Preq: Consent of instructor.

FIN 4010 Corporate Financial Analysis 3(3)
In this course, students explore the potential needs of financial statement end users (managers, investors, creditors) so different perspectives can be considered when decisions are made. Students also learn to interpret and convert raw numerical data into information about profitability and risk in order to assess the value of a firm. Preq: ACC 3110 and FIN 3120, each with a C or better; and FIN 3120, each with a C or better; and Financial Management major.

FIN 4020* Corporate Valuation 3(3)
Study of the decision process and analytical techniques used in evaluating corporate investment and financing decisions. Topics include capital budgeting, capital structure and bankruptcy, valuation, corporate governance, executive compensation, mergers and acquisitions, and restructuring. Includes Honors sections. Preq: FIN 3120 with a C or better.

FIN 4030 Spreadsheet Applications in Finance 3(3)
Using a combination of lectures and assignments emphasizing small-scale applications, this course focuses on the development of spreadsheet skills in corporate finance. Beginning with the theoretical base established in previous courses, students work through problems related to the time value of money, capital budgeting, and valuation using spreadsheet analysis. Credit toward a degree will be given for only one of FIN 4030 or 4040. Preq: FIN 3120 with a C or better; and CPSC 2200 or MGT 2180.

FIN 4040 Financial Modeling 3(3)
Helps students develop the practical skills that combine theory, business planning, and forecasting needed to make financial decisions. Emphasizes the use of spreadsheet software used to set up and solve these models. Topics include financial statement analysis, valuation, and cost of capital. Includes Honors sections. Credit toward a degree will be given for only one of FIN 4030 and 4040. Preq: FIN 3120 with a C or better; and either CPSC 2200 or MGT 2180; and consent of instructor.

FIN 4050 Portfolio Management and Theory 3(3)
Introduction to portfolio management. Includes the underlying theory, managing the equity and the fixed-income portfolios, portfolio evaluation, options pricing theory, futures markets and instruments. Includes Honors sections. Preq: FIN 3050 with a C or better.

FIN 4060* Analysis and Use of Derivatives 3(3)
Consideration of the option pricing theory and strategy techniques most commonly used in the market for options. Also considers an overview of the futures markets. Special emphasis is given to interest-rate futures, stock-index futures, and foreign-exchange futures. Includes Honors sections. Preq: FIN 3050 with a C or better.

FIN 4080 Management of Financial Institutions 3(3)
Detailed study of the operational, marketing, and regulatory aspects of the management of depository financial institutions. Emphasizes decision making through the extensive use of cases. Preq: FIN 3080 with a C or better.

FIN 4090 Professional Financial Planning 3(3)
Concepts and practical implementation of professional financial planning focuses on essentials of budgeting and saving, risk management, tax planning, investment planning, and retirement and estate planning. Emphasizes integrating these elements into a comprehensive personal financial plan. Preq: ACC 4040 and ACC 4080 and FIN 3040 and FIN 4050.

FIN 4100 Research in Finance 1-3(1-3)
Directed research for students interested in careers in finance. Research topics are selected by student and approved by instructor. A formal research paper is required. Includes Honors sections. Preq: FIN 3060 or FIN 3120; and consent of instructor.

FIN 4110 International Financial Management 3(3)
Extension of the principles of finance to the international context. Focuses on implications of the existence of multiple currencies and the operations across borders of sovereign nation-states for the multinational corporation. Preq: FIN 3060 or 3120 with a C or better.

FIN 4150* Real Estate Investment 3(3)
Focuses on the structure and analysis of real estate investment emphasizing financial theory and analysis techniques. Case study and project-oriented homework assignments facilitate the understanding of real estate investments. Preq: FIN 3070 with a C or better.

FIN 4160* Real Estate Valuation 3(3)
Advanced course in commercial real estate valuation. Topics include income capitalization, cash equivalency, highest and best use analysis, the cost approach, the direct sales comparison approach, and DCF analysis. Preq: FIN 3070 with a C or better.

FIN 4170* Real Estate Finance 3(3)
Advanced course applying financial analysis and theory to real estate. Emphasizes mortgage credit analysis and current financing techniques for residential and commercial properties. Topics include financial institutions, syndications, and construction financing. Preq: FIN 3070 with a C or better.

FIN 4680 International Internship in Finance 3(3)
Preplanned, pre-approved internship completed in conjunction with a Clemson Study Abroad program. Internship must be no fewer than eight weeks and be a minimum of 30 hours per week. Preq: Financial Management major or minor; and consent of instructor.

FIN 4980 Creative Inquiry - Finance 1(1-4)
In consultation with and under the direction of a faculty member, students pursue scholarly activities individually or in teams. These creative inquiry projects may be interdisciplinary. Arrangements with mentors must be established prior to registration. May be repeated for a maximum of six credits. Preq: Consent of faculty member/mentor.

FIN 4990 Special Topics in Finance 3(3)
In-depth examination of specialized topics in finance. Topics vary depending on developments in the profession and interests of faculty. May be repeated for a maximum of six credits if different topics are covered. Preq: FIN 3120 with a C or better.

FORESTRY AND NATURAL RESOURCES


FNR 1060 Forestry and Natural Resources Freshman Portfolio 1(1)
Informative sketch of forestry, wildlife biology, and natural resources; education and career opportunities for natural resource professionals. Students initiate their Web-based student portfolios, which showcase their skills and experiences (e.g., resumes, accomplishments, and work samples) during their undergraduate degree. To be taken Pass/No Pass only. Restricted to students enrolled in one of the following majors: Environmental and Natural Resources; or Forest Resource Management; or Wildlife and Fisheries Biology.

FNR 2040 Soil Information Systems 4(3)
Includes input, storage, analysis, and output of soil information through the use of global positioning systems, direct/remote sensing, geographic information systems, and web soil survey. Provides fundamental knowledge of the role of soils in forest and wildlife management. Preq: One of the following combinations: CH 1010 and CH 1020; or CH 1050 and CH 1060. Coreq: FNR 2041.

FNR 2041 Soil Information Systems Laboratory 0(3)
Non-credit laboratory to accompany FNR 2040. Coreq: FNR 2040.

FNR 4660* Stream Ecology 3(2)
Covers the ecology of flowing water systems. Topics include geomorphology, physical and chemical factors of streams, biology of stream-dwelling organisms, trophic relationships, competition, colonization, drift, community structure, disturbance, and human impacts. Preq: Junior standing. Coreq: FNR 4661.

FNR 4661* Stream Ecology Laboratory 0(3) Non-credit laboratory to accompany FNR 4660. Coreq: FNR 4660.
Courses of Instruction 2016-2017 Undergraduate Announcements

FOR 2771 Introduction to Forest Stewardship 3(3)
Study of the nature and management of forested landscapes.
Preq: FOR 2510 and FOR 2520.

FOR 2520 Forest Operations 1(3)
Principles, practices, and problems of forest management. Preq: Junior standing.

FOR 4101 Harvesting Processes Laboratory 0(3) Non-credit laboratory to accompany FOR 4100. Coreq: FOR 4100.

FOR 4080* Wood and Paper Products 3(3) Study of wood structures and identification; physical and mechanical properties of wood products; standard testing procedures; manufacture of lumber, plywood, oriented strand board; drying, preservation, grading, and use of wood products. Also discusses common grades of paper and paperboard; fiber sources; pulping and paper-making equipment and processes; chemical recovery process; and environmental issues. Preq: Junior standing.

FOR 4104 Harvesting Processes 4(3) Study of forest harvesting processes with detailed analysis of production, cost, environmental impacts, safety, transportation, and business considerations. Preq: Senior standing. Coreq: FOR 4101.

FOR 4130* Integrated Forest Pest Management 4(3) Principles, practices, and problems of wildlife management emphasizing upland forest game species. Habitat manipulation through use of appropriate silvicultural practices in association with other techniques is evaluated. Preq: FOR 4600. Coreq: FOR 4151.

FOR 4151* Forest Wildlife Management Laboratory 0(3) Non-credit laboratory to accompany FOR 4150. Coreq: FOR 4150.

FOR (ENR) 4160* Forest Policy and Administration 3(3) Introduction to the development, principles, and legal provisions of forest policy in the United States and an examination of administrative and executive management in forestry. May also be offered as ENR 4160.
FOR 4170* Forest Resource Management and Regulation 3(3) Fundamental principles and analytical techniques in planning, management, and optimization of forest operations. Preq: FOR 3020 and FOR 3080 and FOR 4180 and FOR 4650.

FOR 4180* Forest Resource Valuation 3(3) Analysis of capital investment tools and their application to decision making among forestry investment alternatives; valuation of land, timber, and other resources associated with forestry, including the impact of inflation and taxes. Preq: FOR 3040.

FOR 4190 Senior Problems 1-3(1-3) Problems chosen with faculty approval in selected areas of forestry. With department chair’s approval, may be repeated once for credit. Preq: Senior standing.

FOR 4230* Current Issues in Natural Resources 2(2) Lectures in various fields of forestry delivered by selected representatives from forest industries, consultants, agencies, associations, and other forestry operations. Will not be taught when enrollment is less than 15. To be taken Pass/No Pass only. Preq: Junior standing.


FOR 4251 Forest Resource Management Plans Laboratory 0(3) Non-credit laboratory to accompany FOR 4250. Coreq: FOR 4250.

FOR 4260 Forest Resource Management Plans Seminar 1(1) In-depth exploration of topics and problems presented in FOR 4250. To earn honors credit, students must be enrolled in corequisite FOR 4250 and earn a B or better in both courses. Includes Honors sections. Preq: Senior standing and consent of instructor. Preq or concurrent enrollment: FOR 4250.

FOR 4270* Urban Tree Care 3(3) Principles, practices, and problems of protecting and maintaining trees in urban and recreational areas. Examines environmental and biological factors affecting trees in high-use areas, their management and cultural requirements, and the practical aspects of their protection and care as valuable assets in the landscape. May also be offered as HORT 4270. Preq: FOR 2050 or HORT 3030.

FOR 4310* Recreation Resource Planning in Forest Management 2(1) A synthesis of forest recreation as a component of multiple-use forest management; techniques of planning and protecting forest lands; intrinsic values of land and recreation areas; and group projects. Preq: FOR 4270 or HORT 3030. Coreq: FOR 4311.

FOR 4311* Recreation Resource Planning in Forest Management Laboratory 0(3) Non-credit laboratory to accompany FOR 4310. Coreq: FOR 4310.

FOR 4320* GPS Applications 3(2) Develops competence in global positioning system (GPS) technology, including theory, methods, and application to natural resources mapping. Topics include basic concepts of GPS; projection systems; types of data; mission planning and data capture, correction, and export to geographical information systems (GIS). Preq: FOR 4310. Coreq: FOR 4331.

FOR 4330* GPS Applications Laboratory 0(3) Non-credit laboratory to accompany FOR 4330. Coreq: FOR 4330.

FOR 4340* Geographic Information Systems for Natural Resources 3(2) Develops competence in geographic information systems (GIS) technology and its application to various spatial analysis problems in natural resources. Topics include data development and management, spatial analysis techniques, critical review of GIS applications, needs analysis and institutional context, GIS hardware and software, hands-on application. Credit may be received for only one of ENR 4340 or FOR 4340. May also be offered as ENR 4340. Coreq: FOR 4341.

FOR 4410* Properties of Wood Products 3(3) Basic properties of wood, including the hygroscopic, thermal, electrical, mechanical, and chemical properties; standard testing procedures for wood. Preq: Junior standing.

FOR 4420* Manufacture of Wood Products 3(3) Study of the manufacture of lumber, plywood, poles, piles, drying, preservation, grading, and uses of wood products. Considers the manufacture of particleboard, flakeboard, oriented-strand board, fiberboard, and paper products. Includes physical, mechanical, and chemical properties and their applications. Preq: Consent of instructor.

FOR 4440* Forest Products Marketing and International Trade 3(3) Study of marketing and international trade practices currently employed by the forest products industry and the application of basic marketing principles and global trade concepts in the industry’s current and future environment. Preq: FOR 4420.

FOR 4470 Special Problems in Forest Products 1-15(1-15) Specialized topics not covered in other courses that explore current research and management in forest resources in a format of lecture, lab, or both. May be repeated for a maximum of 15 credits, but only if different topics are covered. Preq: Junior standing.

FRENCH

FR 1010 Elementary French 4(3) Multimedia course for beginners that combines video, audio, and print to teach the fundamentals of the French language and culture. Emphasizes communicative proficiency (listening comprehension, speaking, reading, and writing). Coreq: FR 1011.

FR 1011 Elementary French Laboratory 0(1) Non-credit laboratory to accompany FR 1010. Coreq: FR 1010.

FR 1020 Elementary French 4(3) Continuation of FR 1010; three hours a week of classroom instruction and one hour a week in the language laboratory. Preq: FR 1010 or a score of F1020 on the Modern Language Placement Test. Coreq: FR 1021.

FR 1021 Elementary French Laboratory 0(1) Non-credit laboratory to accompany FR 1020. Coreq: FR 1020.

FR 1040 Basic French 4(3) Intensive one-semester program combining FR 1010 and 1020 for students who have previously studied French. Includes fundamentals of grammar and vocabulary as a foundation for building written and oral proficiency. Coreq: FR 1041.

FR 1041 Basic French Laboratory 0(1) Non-credit laboratory to accompany FR 1040. Coreq: FR 1040.

FR 1510 French for Graduate Students 3(3) Intensive program only for graduate students preparing for the reading examination in French. A minimum grade of B on a final examination will satisfy graduate school modern language requirement. May be repeated once for credit. To be taken Pass/No Pass only. Preq: Graduate standing.