FINANCE AND INSURANCE F I

College of Business and Graduate School of Business Administration

350. Principles of Risk and Insurance
Fall, Winter, Spring, Summer. 4(4-0)
Juniors or approval of department.
Risk and risk meeting methods with emphasis on the insurance mechanism. Fundamental principles, legal relationships, types of carriers and organization; principal types of coverage and industry regulation.

352. Pensions and Employee Benefits
Spring. 4(4-0) Juniors or approval of department.
Employee benefit plans and regulations. Group insurance, pensions and alternative method for financing such plans.

354. Financial Estate Planning
Fall. 4(4-0) Juniors or approval of department.
Analysis of estate and gift taxation for personal and business financial planning.

391. Financial Management
Fall, Winter, Spring, Summer. 5(5-0)
ACC 202, Juniors.
Basic principles and theoretical framework leading to sound financial management decisions. Role of the financial manager in achieving optimal financial position of the firm. Management of a firm's assets and financing needs.

392. Investment Planning
Fall, Winter, Summer. 4(4-0) F 1 391.
Analysis of the various financial assets from which the individual or institution selects. Emphasis is on the analytical techniques and principles involved in the evaluation of financial instruments such as common stocks, bonds, preferred stock, and warrants. The role of particular types of securities in the portfolio management and investment planning process is examined and related to the current environment.

395. Principles of Urban Real Estate Administration
Spring. 4(4-0) EC 201 or F I 391 or approval of department.
Concepts of urbanism city functions and growth. Analysis of physical location, legal, social, and other factors governing property values. Theories and techniques of valuing urban real estate.

491. Financial Markets
Fall. 4(4-0) F 1 391.
Introduction to theories and models concerning financial markets. An analysis of financial instruments and major financial market participants. Governmental and legal influences on financial markets.

492. Management of Financial Institutions
Winter. 4(4-0) F I 190.
Management of depository-type financial institutions like savings and loans, credit unions and banks. Lending, investments and asset-liability management. Regulation, deregulation and competition between non-depository institutions.

493. Advanced Business Finance
Spring. 4(4-0) F I 191, Seniors.
Advanced study of the financial management of business firms. Special emphasis is placed on areas of major interest from both applied and theoretical points of view. Areas covered include capital budgeting, valuation, financial structure, mergers, and working capital management as well as other financial topics. Cases are used.

494. Strategies for Speculative Markets
Winter. 4(4-0) F I 191.
Use of stock options, futures and other financial instruments in domestic and foreign markets. The general theory of hedging risk.

495. Special Problems
Fall, Winter, Spring. 1 to 4 credits. Senior F I 1 major, approval of department.
Independent study of special topics in finance or insurance.

496. Computer Financial Models
Spring. 4(4-0) F I 391, MTA 317 or STT 422 or STT 442.
Solution of business financial problems through the use of personal computers and selected software programs.

817. Financial Decision Models
Winter. 4(4-0) ACC 839, F I 888.
Interdepartmental with the Department of Accounting.

850. Risk Management and Insurance Concepts
Winter, Summer. 4(4-0)
Analysis of business exposures and risk management techniques. Risk meeting alternatives and their economic, legal, and social implications. The role of insurance and employee benefits in risk management.

855. Market Cost-Revenue Analysis
Winter. 4(4-0) One course in accounting and one in marketing. Interdepartmental with and administered by the Department of Marketing and Transportation Administration.
Analytical tools for use in planning and controlling marketing activities. Emphasis on the determination of factors causing marketing cost differences and the assignment of costs to those factors. Application of tools to determination of expenditure-revenue patterns and market potentials.

870. Financial Markets
Fall. 4(4-0) F I 1888.
Financial markets, rates, and flows. Major theoretical explanation and empirical evidence concerning financial market behavior.

871. Portfolio Theory and Capital Markets
Fall, Spring. 4(4-0) ACC 839; F I 1888.
Theoretical and empirical developments in portfolio analysis, capital markets, capital asset pricing model, arbitrage pricing theory, efficient market hypothesis, and studies of capital markets.

872. Management and Finacing of Corporate Assets
Fall, Summer. 4(4-0) F I 1871 or concurrently.
Principles of decision analysis in management of current assets, estimation of requirements for short term funds, and valuation of capital budgeting and merger proposals. Analysis of actual business cases is supplemented by selected readings.

873. Long Term Financial Policies
Winter. 4(4-0) F I 1871 or F I 1872.
Planning capital structure and the cost of capital. Examines fundamental considerations of raising capital, debt management, dividend policy, and problems in public issues. Analysis of actual business cases is supplemented by selected readings.

874. Investment Strategy
Spring. 4(4-0) F I 1871 or concurrently.
Analysis of theories and techniques available to achieve superior returns through security selection and/or portfolio management. Review and evaluation of significant literature and empirical results of various investment strategies.

877. Bank Management
Spring. 4(4-0) F I 888.
Provides a comprehensive working knowledge of commercial bank management. Topics include capital adequacy, liquidity, public policy and bank failures, regulation, consumer protection, and other internal and external banking industry issues.

885. Financial Concepts and Analysis
Fall, Winter. 4(4-0) ACC 839.

889. Financial Decision Making
Fall, Winter, Spring. 4(4-0) ACC 840, F I 888 or concurrently.
Financial planning and control using financial theory and management techniques for short, intermediate, and long term problems. Involves case problems.

890. Special Problems
Fall, Winter, Spring. 1 to 4 credits. Approval of department.
Independent study of special topics in finance or insurance.

990. Seminar in Financial Management Theory
Fall. 4(4-0) Doctoral candidates with approval of department.
The financial theory of the firm. Theoretical models dealing with capital structure, cost of capital, and dividend policy.

991. Seminar in Capital Markets
Winter. 5(5-0) F I 190.
FISHERIES AND WILDLIFE  

College of Agriculture and Natural Resources

100. Introduction to Fisheries and Wildlife  
Fall. 1(1-0) Freshmen.  
Fishes and wildlife as a profession. Academic and nonacademic needs to meet professional objectives, using current management problems as a focus for discussion.

203. Resource Ecology  
(IDC 200) Fall, Winter, Spring, Summer. 3(3-0) Interdepartmental with the departments of Forestry, Geography, Resource Development, and Zoology.  
Basic concepts of ecology which are the unifying basis for resource management, conservation policy and the analysis of environmental quality. Extensive use of guest lecturers.

301. Fish and Wildlife of North America  
Winter. 3(3-0) B S 212 or approval of department.  
Comparative study of fish and wildlife groups in North America, their significant life history stages, morphology, migrations, habitats and populations. Common species are identified in the laboratory.

302. Ecosystem Processes  
Spring. 3(3-0) CEM 143, PHY 238, B S 212, CSS 210, GLC 201, MTH 109 or MTH 111.  
Concepts of ecosystem structure and function derived from basic scientific laws and relationships.

305. Principles of Fisheries and Wildlife Management  
Winter. 3(3-0) F W 203 or approval of department. Not open to majors with Fishery Biology and Limnology or Wildlife Biology and Ecology option.  
Ecological concepts in management. Effects of regulations, refuge, stocking, species introduction, habitat manipulation, artificial feeding, genetic improvement, land use and control of predators, diseases and competitors on the production of fish and game.

328. Vertebrate Pest Control  
Winter. 3(3-0) B S 212 or approval of department.  
Role of vertebrate animals as agents damaging to human interests; the concepts of damage control; damage control techniques, optional field trips.

340. Wildlife Biometry  
Winter. 4(3-2) MTH 111, six credits in fisheries and wildlife.  
Survey of statistical formulas, methods and applications of statistics to problems in fisheries and wildlife.

374. Biological Oceanography  
Winter. 3(3-0) B S 212 or approval of department.  
Biological and marine animals, with emphasis on physical, chemical and biological factors affecting their abundance and distribution.

376. Introductory Limnology  
Winter. 3(3-0) B S 212; students may not receive credit for both F W 376 and F W 476.  
Lake and stream ecology including effects of natural and human-induced perturbations on freshwater ecosystems.

402. Environmental Conservation Education  
Fall. 4(3-2) Education majors or approval of department.  
Nature, distribution, identification, and interrelationships of Michigan's flora and fauna which influence natural resource use. Includes techniques of teaching about the environment. Field trips required.

404. Fisheries and Wildlife Problems  
Fall, Winter, Spring. 1 to 5 credits. May reenroll for a maximum of 36 credits. Approval of department.  
Students may not receive credit for both F W 376 and F W 476.  
Lake and stream ecology including effects of natural and human-induced perturbations on freshwater ecosystems.

410. Upland Wildlife Management  
Fall. 3(3-0) F W 302 or FOR 304, FOR 204 or BOT 318.  
Wildlife management based on upland ecological processes. Assessment and management of habitat. Mitigation of human impact.

412. Wetland Ecosystem Management  
Fall. 3(3-0) F W 302, F W 340.  
Ecosystem components and processes applied to wetland management. Mitigation of human impact.

413. Upland and Wetland Ecosystem Laboratory  
Fall. 2(0-6) F W 410 or F W 412 or concurrently.  
Upland wildlife habitat analysis and management in upland and wetland ecosystems. Field trips required.

415. Parasitic Diseases of Animals: Ecosystem Approach  
Spring. 4(3-2) F W 301 or ZOL 306 or approval of instructor.  
Diseases of fish and wildlife caused by selected viruses, bacteria, helminths, and arthropods. Biology of infectious agents and their interrelationships with animal populations.

424. Wildlife Population Analyses  
Spring. 4(3-2) BOT 450 or ZOL 398, or concurrently.  
Population measurement; reproductive and survival rates, sex and age determination; handling and marking methods. Field trips.

434. Wildlife Resource Policy and Management  
Winter. 4(3-2) F W 410, F W 412, F W 424.  
The impact of public policy on wildlife management. Objectives of and approaches to wildlife management. Planning, implementing, and evaluating wildlife management programs.

450. Natural Resource Administration  
Spring. 4(4-0) Seniors. Interdepartmental with Agriculture and Natural Resources and the departments of Forestry, Park and Recreation Resources, and Resource Development. Administered by the Department of Forestry.  

455. Natural Resource Economics  
Fall. 4(3-2) EC 200 or EC 201. Interdepartmental with Agriculture and Natural Resources and the departments of Forestry, Park and Recreation Resources, and Resource Development. Administered by the Department of Forestry.  
Basic economic and institutional principles and techniques that govern the production and consumption of renewable natural resources. Natural resource evaluation, project analysis, and distributional considerations.

471. Ichthyology  
Spring. 3(3-0) F W 301 or ZOL 307 or ZOL 428. Interdepartmental with the Department of Zoology.  
Classification and natural history of fishes. Emphasis on food, game, and forage fishes.

473. Fishery Biology and Management  
Fall. 5(3-4) F W 471.  
Biological of fishes with special reference to distribution and natural history, and application of this knowledge to problems of obtaining maximum return from fishery resources.

475. Fish Culture  
Spring. 3(3-0) F W 473.  
Artificial propagation of freshwater fish including hatchery management, nutritional and environmental requirements, disease and parasite control and intensive fishery management. Utilization of hatchery stock in fisheries management.

476. Limnology  
Winter. 3(3-0) CEM 141B, CEM 161; BOT 450 or ZOL 389. Students may not receive credit for both F W 376 and F W 476. Interdepartmental with the Department of Zoology.  
Ecology of lakes and streams with special reference to physical, chemical and biological factors affecting their productivity.

477. Limnological Methods  
Winter. 3(3-0) F W 476 concurrently; ENT 301, ENT 302 recommended. Interdepartmental with the Department of Zoology.  
Methods and instruments of limnological field investigation on lakes and streams.

478. Stream Ecology  
Fall. 3(3-0) ENT 420, ZOL 389 or BOT 450 or F W 302 or approval of department. Interdepartmental with the departments of Entomology and Zoology.  
Biological, chemical, physical, and geological processes which determine the structure and function of stream ecosystems.