

## 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 I 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 I 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 391.

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 391, 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 391.

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, Summer. 1 to 4  
credits. Senior F I 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.

Development and application of computerized financial models in finance, accounting, and control activities. Use of financial planning software on personal and mainframe computers. Emphasis on models in case analysis.

#### 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 888.

Financial markets, rates, and flows. Major theoretical explanation and empirical evidence concerning financial market behavior.

## Finance and Insurance — Description of Courses

#### 871. *Portfolio Theory and Capital Markets*

Fall, Spring. 4(4-0) ACC 839; F I 888.

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 Financing of Corporate Assets*

Fall, Summer. 4(4-0) F I 871 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, Summer. 4(4-0) F I 871 or F I  
872.

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 871 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.

#### 878. *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.

#### 888. *Financial Concepts and Analysis*

Fall, Winter. 4(4-0) ACC 839.

Basic principles of business finance covering short, intermediate, and long term problems. Principles of capital budgeting. Emphasis on the mathematics of finance and use of numerical examples and problems.

#### 889. *Financial Decision Making*

Fall, Winter, Spring, Summer. 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, Summer. 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 990.

The mathematical basis of portfolio theory. Development of capital asset pricing models. Empirical tests of capital market theories.

**Description — Finance and Insurance  
of  
Courses**

992. **Seminar in Selected Finance Topics**  
Spring, 4(4-0) F I 991.

Study and research in finance topics selected from areas of interest to the instructor and doctoral candidates.

999. **Doctoral Dissertation Research**

Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 36 credits. Approval of department.

**FISHERIES AND  
WILDLIFE**

**F W**

**College of Agriculture and Natural  
Resources**

100. **Introduction to Fisheries and  
Wildlife**

Fall, 1(1-0) Freshmen Fisheries and Wildlife Majors.

Fisheries 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. 5(3-4) 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, GLG 201, MTH 109 or MTH 111. Concepts of ecosystem structure and function developed 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, refuges, 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 trip.

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.

Biology of 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, Summer. 1 to 5 credits. May reenroll for a maximum of 12 credits. B S 212; 6 credits of fisheries and wildlife; approval of department.

To give undergraduate majors an opportunity to study special topics in fisheries and wildlife.

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.

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 389, or concurrently.

Population mensuration; 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.

Concepts and methods of administering wildland properties. The legal, economic and social environment. Benefit-cost analysis of management changes. Unit organization, personnel management and accounting. Presents a systems view of administration.

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(2-3) 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.

Biology 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(0-9) 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.