

## Descriptions — Forestry

### of Courses

#### 941. **Quantitative Genetics in Plant Breeding**

Spring of even-numbered years. 4(4-0) STT 423, CSS 823 or approval of department. Interdepartmental with the departments of Crop and Soil Sciences, and Horticulture. Administered by the Department of Crop and Soil Sciences.

Calculation and implication of genetic parameters. Linkage. Coancestry and inbreeding. Covariance between relatives. Heritability and selection. Genotype by environment interaction. Emphasis on relationship of quantitative genetics to plant breeding.

#### 944. **Physiological Genetics**

(830.) Winter. 3(3-0) BOT 413; CSS 821. Interdepartmental with the departments of Crop and Soil Sciences, and Horticulture.

Control of variation in higher plants including adaptive physiology, quantitative genetics, growth correlation, biochemical genetics, hybrid physiology, and geneecology.

#### 960. **Simulation Models in Natural Resource Management**

Winter of odd-numbered years. 3(3-0) R D 855 and knowledge of FORTRAN programming or approval of department. Interdepartmental with and administered by the Department of Resource Development.

The role of simulation models in developing management strategies. Applications of computer simulation in natural resources. Modeling of decision systems in natural resources management.

#### 976. **Multivariate Methods in Forestry Research**

Winter of even-numbered years. 4(4-0) MTH 334, STT 423, CPS 120.

Application of multivariate techniques such as principal components, canonical analysis, factor analysis, and clustering to problems in forestry research. Case studies drawn from several forestry disciplines.

#### 999. **Doctoral Dissertation Research**

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

## FRENCH

See Romance and Classical Languages.

## GENERAL BUSINESS AND BUSINESS LAW GBL

(Name change effective July 1, 1984. Formerly the Department of Business Law and Office Administration.)

### College of Business and Graduate School of Business Administration

#### 341. **Survey of Business Law**

(BOA 341.) Fall, Winter, Spring. 4(4-0) Juniors. Not open to students with majors in the College of Business.

Historical development of the law; courts, court procedures and civil remedies, torts, crimes; contracts, agency, sales, negotiable instruments, real and personal property, including bailments and liens. Textbook and lecture rather than case approach.

#### 345. **Business Ethics**

Fall. 4(4-0) Juniors. Interdepartmental with and administered by the Department of Philosophy.

Ethical dimensions of the relationships between a business and employees, consumers, other businesses, society, government, and the law. Readings from philosophical and business sources.

#### 400H. **Honors Work**

(BOA 400H.) Fall, Winter, Spring, Summer. 1 to 15 credits. Approval of department.

Independent and informal study in law, office administration or business communications.

#### 430. **Law and Society**

(BOA 440., 440.) Fall, Winter, Spring, Summer. 4(4-0) Seniors or approval of instructor; may not earn credit in both GBL 430 and GBL 441.

Legal reasoning and legal institutions. Court systems and court procedures. Contracts and sales. Sources of and limits on legislative and judicial authority. Property, torts, and crimes.

#### 431. **Law and Business**

Fall, Winter, Spring, Summer. 4(4-0) GBL 430.

Law of business associations, administrative agencies and process, the constitution and the business enterprise, liability to consumers, securities, regulation of business conduct and structure, business ethics and social responsibility.

#### 441. **Contracts and Sales**

(BOA 441.) Fall, Winter, Spring, Summer. 3(3-0) Seniors or approval of instructor; may not earn credit in both GBL 430 and GBL 441.

Contracts, including concept of freedom of contract and limitations. Sales. Case study method.

#### 442. **Agency, Partnerships and Corporations**

(BOA 442.) Winter, Spring. 3(3-0) GBL 441.

The law dealing with agency and business organizations. Case study method.

#### 443. **Negotiable Instruments, Secured Transactions, Property**

(BOA 443.) Winter, Spring. 3(3-0) GBL 441.

The law of negotiable instruments, secured transactions, and property. Case study method.

#### 447. **Hotel Law**

(BOA 447.) Winter, Spring. 4(4-0) GBL 440.

Legal aspects of the hospitality industry.

#### 468. **Field Studies**

(BOA 468.) Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits. Approval of department.

Planned program of observation and work in selected business firms. Analysis and reports.

#### 805. **Business Ethics**

Spring. 4(4-0) Graduate student in the College of Business or approval of instructor. Interdepartmental with and administered by the Department of Philosophy.

Ethical dimensions of such topics as corporate responsibility, preferential hiring, profit and taxation, deception and bribery, self-regulation versus government regulation, 'whistleblowing', and advertising. Readings from philosophical and business sources.

#### 848. **The Legal Environment of Business**

(BOA 848.) Fall, Summer. 4(4-0)

Critical examination of the environment in which business operates. Analysis of the component elements of the legal environment of business and the structural framework in which law functions.

#### 878A. **Seminar in Business Law**

(BOA 878A.) Winter. 4(4-0) GBL 848 or approval of department.

Contracts, sales, secured transactions and consumer legislation viewed from the judicial, legislative and executive vantage points.

#### 878B. **Seminar in Business Law**

(BOA 878B.) Spring. 4(4-0) GBL 848 or approval of department.

Agency, partnerships and corporations, viewed from legislative, judicial and executive vantage points, as they affect entrepreneurial decision making.

#### 890. **Special Problems**

(BOA 890.) Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits. Approval of department.

## GENETICS

## GEN

### College of Natural Science

#### 800. **Genetics Seminar**

Fall, Winter, Spring. 1(1-0) May reenroll for a maximum of 12 credits. Approval of director.

Student seminar to cover genetics subjects not considered in formal courses. Course is also intended to give students experience in reviewing and organizing literature in a subject, and orally presenting and defending the analysis.

#### 842. **Chromosome Structure and Genetics**

Winter of even-numbered years. 4(4-0) Introductory genetics course. Interdepartmental with the departments of Botany and Plant Pathology, and Zoology.

Mechanisms of mitosis and meiosis, classical and molecular genetics of chromosome structure, alterations in chromosome number and structure, transposable elements, meiotic drive.

#### 844. **Plant Organelle Genetics**

Winter of odd-numbered years. 3(3-0) Approval of department. Interdepartmental with the departments of Botany and Plant Pathology, Crop and Soil Sciences, Forestry, and Horticulture. Administered by the Department of Horticulture.

Organization, structure, function, heredity, molecular biology and manipulation of chloroplasts and mitochondria. Biological interactions between the nucleus and organelles.

#### 856. **Plant Genetics and Molecular Biology**

Spring of even-numbered years. 3(3-0) Approval of department and a course in introductory genetics. Interdepartmental with the departments of Biochemistry, and Botany and Plant Pathology. Administered by the Department of Botany and Plant Pathology.

Recent advances in genetics and molecular biology of higher plants.