FOOD SYSTEMS ECONOMICS AND MANAGEMENT

Department of Agricultural Economics
College of Agriculture and Natural Resources

260. Introduction to Food Systems Management
Fall, 3(3-0)
Organization and operation of the industrialized food system: agricultural production, food processing, manufacturing, wholesaling, retailing and consumption. Application of economic and management principles to firms and the overall food system.

310. Livestock and Product Marketing
Fall, 3(2-2) Interdepartmental with Animal Science. Administered by Animal Science.
P: ANS 112. R: Not open to freshmen.
Movement of livestock and products into and through market channels. Market structures, futures, options. Current issues. Field trip required.

320. Agribusiness and Farm Sales (W)
Spring, 3(3-0)
P: FSM 200 or MSC 300. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement. Selling processes and activities within agribusiness and food firms. Principles and techniques of sales. Operation of sales organizations.

325. Agribusiness Labor and Personnel Management
Fall, 3(3-0)
P: FSM 200 or MGT 302 or concurrently. R: Not open to freshmen and sophomores. Labor for farms and agribusinesses: planning, recruiting, training, scheduling, motivating, supervising, and evaluating. Labor regulations, compensation, and records.

330. Farm Business Management
Spring, 3(2-2) Interdepartmental with Marketing and Supply Chain Management. Administered by Marketing and Supply Chain Management.

335. Food Marketing Management
Spring, 3(3-0) Interdepartmental with Marketing and Supply Chain Management. Administered by Marketing and Supply Chain Management.
P: FSM 200 or MSC 300. R: Open only to juniors and seniors in College of Business and in programs for which MSC 335 is a catalog-listed requirement. Management decision-making in food industry organizations (processors, wholesalers, retailers). Marketing and sales in response to customer and consumer needs. Distribution and merchandising systems in domestic and international contexts.

412. Financial Management in the Food System
Spring, 3(3-0)
P: ACC 201 or ACC 230 R: Not open to freshmen or sophomores.

431. Public Policy Issues in Food and Agribusiness
Spring, 3(3-0)
P: EC 201, FSM 200. R: Not open to freshmen and sophomores.
Objectives, rationale, and consequences of public policy for food and agriculture. Analysis of economic implications for food and agribusinesses, farmers, consumers, and society.

432. Agribusiness Management (W)
Spring, 3(3-0)
P: FSM 330. R: Open only to seniors and graduate students. Completion of Tier I writing requirement. Analysis of agribusiness management functions including planning, organizing, and controlling. Integration of production, marketing, and financial aspects of agribusinesses. Solutions to agribusiness managerial problems.

439. Food Business Analysis and Strategic Planning
Fall, 3(3-0) Interdepartmental with Marketing and Supply Chain Management. Administered by Marketing and Supply Chain Management.
P: MSC 335 or FSM 335; SST 201 or SST 200 or SST 315. R: Open only to juniors and seniors in College of Business and in programs for which MTA 439 is a catalog-listed requirement. Principles and techniques of business analysis and strategic planning applied to food firms. Food trend forecasts, market potential, competition and cost analyses, business and strategic planning.

441. Commodity and Futures Marketing
Spring, 3(3-0)
P: FSM 200, EC 201; SST 201 or SST 200 or SST 315. R: Not open to freshmen and sophomores. Supply, demand and prices in commodity markets. Forecasting and options and their role in forward pricing. Agricultural and food markets.

443. Food Industry and Cooperative Marketing
Spring, 3(3-0)
P: FSM 200. R: Not open to freshmen and sophomores. Multiple firm and cooperative marketing methods. Organization and operation of cooperatives, marketing orders, trade associations and other forms of group action in the food system.

462. Agricultural Development in Less Developed Countries
Fall, 3(3-0) Interdepartmental with Public Resource Management.
P: EC 201; PRM 260 recommended. R: Not open to freshmen and sophomores. Factors responsible for agricultural growth, as well as technical and institutional change. Sustainable strategies for increasing food production and rural incomes.

490. Independent and Supervised Study
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 7 credits in all enrollments for this code.
P: FSM 200; MSC 335 or FSM 330. R: Open only to FSM majors. Approval of department; application required. In-depth independent study of topics and issues affecting the food system. Complementary to previous coursework, adapted to career aspirations.

FORESTRY

Department of Forestry
College of Agriculture and Natural Resources

101. Michigan's Forests
Spring, 3(3-0)
Ecological, social and economic roles of Michigan's forests in historic and contemporary context. Geographic similarities and differences in forest resources.

201. Tenets of Forestry
Fall, I(1-0)
R: Open only to Forestry students. Completion of Tier I writing requirement. History, founding principles, and core concepts of forestry. Stewardship, conservation, professional ethics, and current forestry issues.

202. Introduction to Forestry
Fall, Spring, 3(3-0)
Historical development of forestry. Forest growth, protection, management, and products. Relationship of national and world economy and policy to forestry. Emphasis on multiple uses of forests.

204. Forest Vegetation
Fall, Spring, 4(3-3)
Nomenclature, classification, and identification of woody plants. Tree structure as it relates to growth and ecosystem dynamics.

206. Natural Resource Data Analysis
Spring, 3(2-2) Interdepartmental with Resource Development.
P: CPS 101 or STT 131 or approval of department. Quantitative analysis of natural resource data. Modeling and display of biophysical and socio-economic data related to natural resource systems.

211. Introduction to Gender and Environmental Issues

220. Forests and the Global Environment
Fall, 3(3-0)
Relationships between forests, climatic and edaphic factors, and human influences upon forest resources. Deforestation, biodiversity, sustainable forest management and timber trade.

230. Communicating Forestry Issues
Spring, 3(2-2)
R: Open only to students in the Forestry major. Identification of targeted publics for forestry issues information strategies. Public presentations, press releases, public participation activities and organizational communication.

304. Wood Technology
Fall, 4(3-3)
P: CEM 141, PHY 231, MTH 116 R: Not open to freshmen and sophomores.
Structure and identification of wood. Physical and mechanical characteristics. Major industrial timber utilization processes including manufacture of lumber, furniture, composites, and paper.