REPORT OF THE GRADUATE COUNCIL MEETING  
October 18, 2001

I. Approved new graduate course requests:

AGEC 637. Production Economics and Dynamic Optimization in Agricultural Economics. (3-0). 3 Credit. Production under certainty and uncertainty with emphasis on agribusiness firm behavior; economic theory and analytical and numerical methods related to dynamic optimization problems.

AGEC 671. Fundamentals in Agribusiness and Managerial Economics. (3-0). 3 Credit. Economic theory and methods for analyzing operational and strategic problems facing managers of food, fiber, and resource businesses; financial, marketing, and management topics, including principal-agent, bargaining power, contract theory, and business forecasting.

AGEC 672. Fundamentals in Agricultural Markets and Information Economics. (3-0). Credit 3. Application of information economics theory for analysis of vertical and horizontal relationships between firms along the supply chain.

AGEC 673. Fundamentals in Resource and Environmental Economics. (3-0). Credit 3. Economics theories and empirical regularities related to the use and management of the environment and natural resources; valuation techniques, externalities, and intertemporal resource management.

AGEC 674. Food and Agricultural Trade and Policy Analysis. (3-0). Credit 3. Trade policy, farm policy, macroeconomic policy, resource policy, and development policy; analysis of policy impacts outside perfect competition and free trade assumptions.

AGEC 695. Frontiers in Agricultural Economics and Agribusiness. (3-0). Credit 3. Exploration of advanced topics in the fields of agribusiness and managerial economics, markets and information economics and resource and environmental economics. May be taken up to two times in the same semester.

AGRO 611. Introduction to Environmental Biophysics. (3-2). Credit 4. Theoretical and experimental analysis of interactions between living organisms and their environments; measurement and modeling of the physical environment; measurement and modeling of energy and mass transfer between organisms and their environments, and of organism response to fluxes of mass and energy.

BUSH 668. Budgeting in the Public Sector. (3-0). Credit 3. Selected topics in the public administration and political science literatures on the politics of the budgetary process; normative and empirical theories concerning budgeting in federal, state and local governments in the United States; and examine contrasting views of economists, political scientists, and practitioners concerning the budgeting process.

CPSC 615. Distributed Component Architecture. (3-0). Credit 3. Introduce general techniques and approaches of software architecture (e.g., architecture style. ADL, ADME, UML, DSSA, distributed component and middleware) software life cycles and investigate distributed component architecture (COBRA, COM/DOM, JavaBeans) as specific examples of architecture for in-depth knowledge.
CVEN 610. Environmental Risk Assessment. (3-0). Credit 3. Risk assessment of the environment and human exposure is a statistically based approach to determine allowable levels of exposure without significant deleterious effects; the basic approach of hazard identification; data collection and analysis; toxicity assessment, and risk characterization will be studied; applications in ecological and human risk assessment will be considered; a risk analysis will be performed.

CVEN 671. Behavior and Design of Prestressed Concrete Structures. (3-0). Credit 3. Introduction to the behavior and design of prestressed concrete structural members for several limit states; including flexure, shear, torsion and deflection; exposure to composite beams; indeterminate systems, and bridge design and construction.

EDAD 624. Administration of Special Populations & Special Programs. (3-0). Credit 3. This course covers the administration of special educational programs for special populations of students originating at the national, state, and local levels of PreK-12 educational settings.

GEOG 627. Arid Lands. (3-0). Credit 3. Processes and landforms in dryland environments; nature and dynamics of gravity, water, and wind in deserts; Quaternary climates and arid lands; human impact in drylands.

SPED 630. Reading for At-Risk/LD Students. (3-0). Credit 3. Provides information and advanced competencies in effective reading instruction for students K-12 who are at-risk for academic learning problems and/or with mild/moderate reading disabilities, including dyslexia.

II. Approved requests for graduate course changes as follows:

Title change, and course definition changes:


Course title and course description changed:

AGEC 622.

from: Quantitative Techniques for Decision Making in Agribusiness II. Develop competency in the design, construction, use and evaluation of risk-based simulation, forecasting, and optimization models to solve applied problems confronting agribusiness decision makers.

to: Agribusiness Analysis and Forecasting. Design, construction, use and evaluation of simulation, forecasting, and optimization models to solve applied problems confronting decision makers in agribusiness.

Course title and course description changed:

AGEC 635.
from: Production and Food Consumption Analysis. Theory of consumer and firm behavior applied to problems related to farm economy, food commodities and resource decisions.

to: Consumer Demand Analysis for Foods and Agriculture Products. Analytical and empirical treatments of consumer behavior; use of neoclassical theory and modern adaptations in consumer demand analysis; specification, estimation, interpretation and evaluation of models of consumer behavior with emphasis on food commodities.

Course credit change:

**AGEC 641**

from: 2 credits
to: 3 credits

Course description change and credit change:

**AGEC 643.**

from: Design, construction, validation and use of Monte Carlo models for decision making; emphasis on developing testing and simulating multivariate normal and empirical distributions for applied problems in agriculture and economics. (2-0). Credit 2.
to: Design construction validation and use of Monte Carlo simulation models for risk analysis of economic systems; parameter estimation and simulation of multivariate probability distributions in econometric and behavioral models used for business and policy analysis under risk. (3-0). Credit 3.

Course title and course description changes:

**MKTG 682**

from: Seminar in Strategic Market Planning. Marketing aspects of strategy formulation; the market phenomena that are foundations of strategy, models for strategic business unit and corporate strategy formulation, and organizational implications of the strategic marketing planning process.
to: Seminar in Marketing Strategy Research. Review of research on marketing strategy content, formulation process and implementation related issues; includes antecedents, outcomes, mediators and moderators of the relationship between marketing strategy and performance; strategic marketing alliances; market pioneering; multimarket competition; global competitive strategy; interdependencies between marketing, business and corporate strategy.

**III. Course withdrawals:**

**AGEC 633.** Economics of Underdeveloped Agricultural Areas.
**AGEC 642.** Dynamic Analysis in Agricultural
AGEC 662. Agricultural Risk Analysis