



7 June 2002

TO: Members, University Senate

FROM: University Senate Council

RE: Course/Program Actions: Effective Date: Fall Session, 2002,  
UNLESS OTHERWISE NOTED.

The Senate Council circulates for your approval the following curricular actions. Objections will be accepted from University Senators and faculty members and must be received on or before August 25, 2002. All other requirements for the courses or programs as approved below must be met.

UNDERGRADUATE COUNCIL

**COLLEGE OF AGRICULTURE**

Department of Animal Science

Course Change

ASC 320 Equine Management (3)  
(Change in lecture/lab ratio only)

Change to:

ASC 320 Equine Management (3)  
Lecture: 2 hours; laboratory: 3 hours, per week.

New Course

ABT 361 Genetics Lab Online (1)  
Analysis and interpretation of genetics problems using interactive computer programs.  
Prereq: ABT/ASC/ENT 360 (should be taken concurrently)

**COLLEGE OF ENGINEERING**

Department of Electrical Engineering

Course change

EE 305        Electrical Circuits and Electronics (3)  
(Change in description)

Change to:

EE 305        Electrical Circuits and Electronics (3)  
A service course covering electrical engineering principles for engineering or science students with majors outside of electrical engineering. Topics include: circuits analysis, power, electronics, digital logic and instrumentation:  
Prereq: PHY 232, MA 114

Department of Manufacturing Systems Engineering

Course Changes:

MSE 402G     Electronic Materials and Processing (3)  
(Change in credits, description, lecture/lab and prereq)

Change to:

MSE 402G     Electronic Materials and Processing (4)  
This course will examine electron behavior in a variety of materials and the processing methods used for integrated device production. Additional topics will include thin film growth, diffusion, oxidation, electronic device principals, defect control, and a survey of current challenges to the semiconductor industry. Lecture: 3 hours; laboratory: 3 hours per week.  
Prereq: MSE 102, MSE 301 or related engineering/science senior/graduate level courses with instructor permission.

MSE 403G     Ceramic Engineering (4)  
(Change in title, description, prereq)

Change to:

MSE 403G     Ceramic Engineering and Processing (4)  
Microstructure of crystalline ceramics and glasses, and role of thermodynamics and kinetics in its formation. Effect of microstructure on mechanical and physical properties. Lecture 3 hours; laboratory 3 hours.  
Prereq: MSE 201, MSE 301 or consent of instructor. Engineering standing.

MSE 404G     Polymeric Materials (3)  
CME 404G     (Change in description and prerequisite)

Change to:

MSE 404G     Polymeric Materials (3)  
CME 404G     Synthesis, structure, and processing of polymers, useful geometric forms, mechanical and thermal properties, crystallinity, polymer

blends, evaluation of polymers for specific applications (aerospace, automotive, biomedical), laboratory activities for each of the above.  
Prereq: Engineering standing. CHE 230 or CHE 236. MSE 301 or consent of instructor (same as CME 404G)

Department of Electrical Engineering

Drop Courses

EE 306      Electrical Circuits and Machinery (3)  
EE 307      Circuits Analysis with Application (4)

7602C