REPORT OF THE GRADUATE COUNCIL MEETING
May 10, 2001

I. New Courses

AGRO 643. Quantitative Genetics and Plant Breeding. (3-0). 3 Credits. This course is a review of the applied aspects of quantitative genetics in plant breeding. We will examine methodologies to analyze quantitative variation in crop species; genetic phenomena (inbreeding, heterosis and epistasis); quantitative trait loci (QTL) mapping and marker-assisted selection (MAS); genotype by environment interaction, heritability multiple traits and selection theory with implications in plant breeding. Prerequisite: AGRO 641, STAT 652, STAT 619, GENE 613. Cross-listed with GENE 643.

GEOP 620. Geophysical Inverse Theory. (3-0). Credit 3. Inferences about Earth structure from geophysical data; explicit treatment of sparse and noisy observations; construction of smooth Earth model; linear inversion of marine magnetic anomalies from seafloor magnetization; smooth inversion of DC sounding data from electrical structure;’ seismic tomography and geodetic fault-plane reconstructions; advanced methods for nonlinear deterministic inversion. Prerequisite: Graduate classification.

II. Approved requests for graduate course changes as follows:

Course cross-listing:

VIZA 654
from:
to: CPSC 646. Digital Image

VIZA 656
from:
to: CPSC 647. Image Synthesis

VIZA 657
from:
to: CPSC 648. Computer Aided Sculpting

VIZA 659
from:
to: CPSC 649. Physically-Based Modeling
Course title and description:

PLAN 656

from: Housing and Community Facilities. Housing, its development, planning, marketing, designing, financing, and production. Student problems dealing with urban renewal, neighborhood structure and community facilities.

to: Housing and Community. Housing, its development, planning, marketing, designing, financing, and production; social and design history and contemporary issues of American housing development, urban renewal, neighborhood structure and community facilities.

Course title:

EPSY 645

from: Biographical Studies in Creative Genius.

to: Creative Genius