

UNIVERSITY OF ARKANSAS AT LITTLE ROCK
GRADUATE COUNCIL
Minutes of meeting on April 25, 2001

Members Present: Al-Shukri, Franklin, Garnett, Hanson, James-Barnes, Leslie, Lindsay, McAlpine, Minsker, Pledger, Recken, Shaikh, Sikes, Spataro, & Wayne

Members Absent: Chisholm, Edwards, CBA; Spillers, COE; Sims, CYBER; Benda, CPS; Deere, Mock, Robson, G SA

Others Present: Stanford, Teach Educ; McMillan, Kaufmann, Johnson, Math; Walker, Crim Just; Turturro, Soc Wk;
K Smith & P. Sheen, Grad Sch

1. Approval of minutes, April 11, 2001: Approved

2. Old Business: From Curriculum Sub-Committee: Remove from the table:

ASCI 7145, 7245, 7345 Intro to Research in Applied Science (tabled for revision of justification statement changing: All incoming Applied Science graduate students receiving support from University- funded graduate assistantships will arrange All incoming Applied Science graduate students will arrange

SYEN 4343/5343 Networks & Combinatorial Optimization (tabled in order to get signature from the Cyber College Graduate Affairs Committee)

Both Approved

3. New Business:

a. Report of Curriculum Sub-Committee

COE: TCED Revision of degree requirements to meet new licensure standards.

SCED 4321/5321 Teaching Diverse Adolescents (add 5000 level to existing 4000 level course)

Prerequisite: admission to MEd in secondary education. Students use basic concepts of adolescent development and cultural diversity to design lessons and to select & use teaching materials & techniques to meet the needs of students at different developmental stages and of different cultures.

CPS: CRJU Restructuring the master of arts in Criminal Justice Curriculum

7303 Criminal Justice Systems (new). Discuss the major functional components of the criminal justice system from historical, philosophical & system perspectives. Analyze the interrelationships among components, & identify the impact of social & political forces on roles & functions of criminal justice agencies.

7304 Criminal Justice Policy (new). Prepare students to understand & affect policy issued in criminal justice. Build upon the CJ Systems course to provide a base of knowledge in policy analysis, policy research, & working within the system for policy change. Will be specific to criminal justice policy issues, & prepare students to complete their public policy thesis.

8301 Thesis Preparation (new). Designed to prepare students to undertake independent research. Build upon statistics, research methods, & core courses to provide a base of knowledge in completing a research proposal. Course facilitates completion of the thesis. Topics covered include review of the literature, qualitative & quantitative research methodologies, multivariate statistical procedures, & application of research methods & statistics.

8302 Policy Thesis Preparation (new). Facilitate completion of the policy thesis. Topics include review of the literature, to include cases & laws; gathering policies, mandates & legislation on a topic; research concerning policies of agencies, & qualitative/quantitative research methodologies. Product will be a completed policy thesis prospectus.

HSAD Change the courses for the MHSA and entrance requirements

7305 Intro to Health Systems Financial Mgmt (chg content & chg title from Health Systems Financial Mgmt)

Designed to introduce students to the most important principles & applications of healthcare financial mgmt. Class is intended for individuals training to be professional healthcare administrators, its focus is on accounting & finance practiced within healthcare organizations. Students will become familiar with healthcare finance mgmt & basics of financial & managerial acctg. Intended to provide healthcare professionals & managers the acctg & finance concepts most critical to managerial decision making.

SOWK 8258 Evaluation Research I (chg from 8158) Change to a 2 credit course. Content increased & drawn on from Evaluation II.

8158 Evaluation Research II (chg from 8258) Change to a 1 credit course. Some of the content has been moved to Evaluation I.

CISSE: CPSC Modify MS admission requirements for Fall 2001 (tabled for lack of representative)

CSM: MATH Revision of the Master of Applied Mathematics Program

4323/5323 Numerical Analysis (title chg from Numerical Analysis I)

7301 Applied Mathematical Modeling (delete)

7302 Analysis II (delete)

7311 Advanced Linear Algebra (chg title from Advanced Matrix Algebra & chg description) Prerequisites: Math 3312 or equivalent. Vector spaces, rank, generalized inverses; subspaces, linear independence & dependence, basis and dimensions; linear transformations, null space, rank, isomorphism; inner product spaces, norms, inner products, orthogonal sets, orthogonal projections, bilinear & quadratic forms; eigenvalues & eigenvectors, similar matrices, diagonalization, symmetric & Hermitian matrices. Jordan canonical form. unitary, similarity transformations; quadratic forms, variational principles, numerical methods.

7312 Computational Linear Algebra (new). Prerequisites: Math 3312, Math 4323. LU decomposition; QR factorization; Iterative techniques for solving systems of equations, Gauss-Seidel; eigenvalue problems, iterative & direct techniques, The Condition Number; Lanczos Algorithm.

7323 Advanced Numerical Analysis I (chg title from Numerical Analysis II)

7324 Advanced Numerical Analysis II (new). Prerequisites: Math 7323, 7325. Numerical analysis of ordinary & Partial differential equations.

7325 Partial Differential Equations (new). Prerequisites: Math 3322 or equivalent. First-order equations in two independent variables, the method of characteristics, discontinuous & weak solutions; Linear second order equations, elliptic equations, hyperbolic equations, parabolic equations; Fourier series.

7327 Graph Theory (new). Prerequisites: Math 3312 or equivalent. Graphs & subgraphs; trees; connectivity; Euler Tours and Hamiltonian cycles; Mathings; Planar graphs; directed graphs; networks.

7352 Mathematical Statistics III (new). Prerequisites: Math 7350. Multivariate distribution theory & Quadratic forms; linear models & least squares; analysis of categorical data; non-parametric statistics; decision theory & Bayesian inference.

7353 Linear and Non-linear Regression (new). Prerequisite: Math 7350. Differentiation of vectors & matrices; random vectors & matrices; distribution theory; full rank linear regression models; non-linear regression models.

7354 Experimental Design (new). Prerequisite: Math 7350 (may be co-requisite with consent of instructor). Single factor experiments; randomized blocks & Latin square designs; factorial designs, repeated measures; nested designs; response surfaces.

7355 Sampling Techniques (new). Prerequisite: Math 7350 (may be co-requisite with consent of instructor). Simple random sampling; sampling for proportions; stratified random sampling; ratio estimators; systematic random sampling; cluster sampling; acceptance sampling.

CSM: IGSS 8102, 8202, 8303 Thesis Research (new). Thesis research in integrated science is designed to provide students with graduate level research experience from which a master's thesis can be completed. Under the supervision of the student's major advisor, along with the graduate advisory committee, the student will carry out original research to support their thesis. (tabled for lack of representative and question on course numbers)

All were approved except for the two that were tabled

b. Report of Personnel Sub-Committee

ADJUNCT STATUS:

Davis, Kenneth B., PhD, Research Biologist at Natl Aquaculture Research Center, to serve on committees & provide laboratory space & input for students in Biology. May 2001-May 2004.

Gurley, Bill J., PhD, Assoc Prof of Pharmaceutics, College of Pharmacy, UAMS, to serve on committees & provide laboratory space & input for students in Biology. May 2001-May 2004.

SPECIAL STATUS:

Claunch, Jacqueline, PhD, President, Northwest Vista College, San Antonio, TX, to serve on dissertation committee for Christy Oberste who no longer lives in Little Rock. May 2001-May 2004.

Holmes, Morris L., EdD, retired, to teach EDFN 7307 in Summer 2, 2001, for Educational Leadership, for three years to May 29, 2004.

All approved with moving Holmes to Adjunct instead of Special.

4. Other Business: Dean reminded people of luncheon on May 2. Council to canvas Coordinators regarding 4000/5000 level courses. Remind of deadline for next year (same) and use MATH as example of a good proposal.

5. Dean's Report: Commended the Council and Sub-Committees on their work this year.

NEXT SCHEDULED MEETING: May 2, 2001 NOON