

Graduate Record 73B
April, 2006

To: Regular and associate members of the Graduate Faculty
Academic Deans

From: Peter J. Kasvinsky
Dean of Graduate Studies and Research

Date: April 20, 2006

**AGENDA FOR THE SPRING 2006
GRADUATE FACULTY MEETING**

*The Spring Semester meeting of the Graduate Faculty will be held at
3:30 p.m., Tuesday, May 2, 2006,
DeBartolo 132*

Agenda will consist of:

1. Approval of the minutes of the May 5, 2005 meeting of the Graduate Faculty (attached)
2. Call for reports and recommendation of:
 - Graduate Council
 - Policy Committee
 - Curriculum Committee
 - Graduate Dean
3. Other business

Attachments: 5/5/05 minutes (Graduate Record 73A)

GRADUATE COUNCIL MEMBERSHIP 2005-2006

| | | |
|------------------|-----------------------------|----------------------------------|
| Javed Alam | Civil/Environ. & Chem. | Engr. Engr. College Grad Studies |
| Darla Funk | Dana School of Music | F&PA Program Director |
| Randy Hoover | Teacher Education | Education At Large |
| Sharon Shipton | Nursing H&HS | College Grad Studies |
| H. W. Shawn Kim | Mechanical Engineering | Engr. Program Director |
| Tony Kos | Management | WCBA Program Director |
| Bob Beebe | Ed. Admin. Res. & Found. | Educ. College Grad Studies |
| Ken Miller | Counseling | Educ. Program Director |
| Carol Mikanowicz | Health Professions | H&HS Program Director |
| Jim Mike | Chemistry/A&S Dean's Office | A&S At Large |
| Samuel Adu-Poku | Art | F&PA College Grad Studies |
| James Schramer | English | A&S Program Director |
| David Stout | Accounting & Finance | WCBA College Grad Studies |
| Nathan Ritchey | Mathematics & Statistics | A&S College Grad Studies |

Graduate Council Chair – Anthony Kos
Graduate Council Secretary – Darla Funk

Grievance Committee Chair – Carol Mikanowicz

Graduate Curriculum Committee Chair – Sharon Shipton
membership: Cynthia Anderson, Vice President for Student Affairs
Richard Burden, Mathematics & Statistics
Randy Hoover, Teacher Education
Tammy King, Criminal Justice
Robert Rollin, Dana School of Music
Elvin Shields, Mechanical & Industrial Engineering

Policy Committee Chair – James Mike
membership: Bob Beebe, Educational Administration, Research & Foundations
Tammy King, Criminal Justice
Doug Price, Civil/Environmental & Chemical Engineering
Clem Psenicka, Management
John Turk, Dana School of Music

Exceptions Committee Chair – Peter Kasvinsky
membership: Tony Kos, Management (Graduate Council Chair)
Jim Mike, Chemistry/A&S Dean's Office (Graduate Policy Committee Chair)
Sharon Shipton, Nursing (Graduate Curriculum Committee Chair)

GRADUATE COUNCIL PRESENTATION

The following motions have been approved by Graduate Council since May 2005:

1. Approval for grant-funded assistantships to be extended to 12 months with a stipend of \$15,000.
2. Approval of four tiers of graduate courses:

| Category | Grading | Degree Credit | Course Approval Process | Typical Minimum Graduate Faculty Membership Status of Instructor |
|-----------------------------------|---------|--|----------------------------|--|
| Regular Courses | A-F | Yes | Regular | Regular or Associate |
| Professional Development Seminars | S/U | Yes, with Advisor's Permission as defensibly appropriate to the student's degree program | Graduate Dean ¹ | Regular or Associate |
| Restricted Workshops | S/U | Yes, with Advisor's Permission. Workshop degree credit not to exceed 6 SH total ² | Graduate Dean ¹ | Any |
| Inservice Workshops | S/U | No | Graduate Dean ¹ | Any |

¹Upon formal request by the faculty member, approved by the department chair and the college dean prior to submission to the graduate dean.

²Departments may further restrict this below the maximum allowable as given here.

Other:

The ad hoc Exit Survey Committee developed an exit survey instrument, to be used for all YSU graduate programs. (see attached) It will be tested during Summer 2006.

ASSISTANTSHIP ALLOCATION

2006-2007 Regular Graduate Assistant Allocations

| | | | |
|------------------------|---|--------------------------------|----|
| Biology | 5 | Accounting & Finance | 3 |
| Chemistry | 6 | Management | 6 |
| Economics | 2 | Marketing | 3 |
| English | 7 | Secondary Education | 4 |
| History | 7 | Counseling | 9 |
| Mathematics | 5 | Early & Middle Childhood Educ. | 4 |
| Civil Engineering | 3 | Special Education | 3 |
| Electrical Engineering | 2 | Educational Administration | 1 |
| Mechanical Engineering | 2 | Music | 10 |
| | | Criminal Justice | 3 |

| | |
|--------------|-----------|
| Writing Lab | 2 |
| Math Lab | 2 |
| Reading Lab | 2 |
| Total | 91 |

Additional Allocation of Assistantships in STEM Disciplines

The following additional graduate assistantship positions were approved for FY 2006 and FY 2007.

| | |
|---|-----------|
| Biological Sciences | 1 |
| Chemistry | 1 |
| Geological & Environmental Sciences | 1 |
| Mathematics & Statistics | 1 |
| College of Engineering (all depts.) | 2 total |
| Economics | 1 |
| *Social Work | 1 |
| *Criminal Justice | 1 |
| **English (for MFA in Creative Writing) | 1 |
| Computer Science & Information Systems | 1 |
| Total | 11 |

*Not a STEM area, but identified as a priority

**Required as an institutional program match to support the program

Some of the college deans have made part-time teaching funds available for teaching assistant positions. Graduate Assistant/Intern positions are also available.

GRADUATE FACULTY MEMBERSHIP

Regular Members (New or Renewals approved since May 2005)

Samuel Adu-Poku, Art
Daniel Ayana, History
Joseph Blankenship, Computer Science and Information Systems
Brian Bonhomme, History
Frank J. Bosso, Human Performance & Exercise Science
James J. Carroll, Physics & Astronomy
Michael Crescimanno, Physics & Astronomy
Jacek Fabrykowski, Mathematics & Statistics
Julia M. Gergits, English
Marleen Iannucci, Physical Therapy
Alan M. Jacobs, Environmental & Environmental Sciences
G. Jay Kerns, Mathematics & Statistics
Bart Kittle, Marketing
Victoria E. White Kress, Counseling & Special Education
Alina Lazar, Computer Science and Information Systems
Scott Leonard, English
Sally A. Lewis, Teacher Education
Hazel Marie, Mechanical & Industrial Engineering
Carol Mikanowicz, Health Professons
Nancy W. Mosca, Nursing
Tom N. Oder, Physics & Astronomy
Gail Y. Okawa, English
Joseph Palardy, Economics
Gabriel Palmer-Fernandez, Philosophy & Religious Studies
Louise S. Pavia, Human Ecology
Zbigniew Piotrowski, Mathematics & Statistics
Tod Porter, Economics
Teresa Riley, Economics
James J. Schramer, English
Melissa T. Smith, Foreign Languages & Literatures
John Sullins, Computer Science and Information Systems
Mollie Venglar, Physical Therapy

Program Reviews (Self-Studies)

Complete: Master of Science in Environmental Studies

Graduate Council review in progress: Master of Science in Chemistry

CURRICULUM COMMITTEE

New Graduate Courses

CHEGR 6990. *Thesis*. Research selected and supervised by departmental advisor. Prereq. Acceptance by departmental committee. May be repeated for a maximum of 9 s.h. 1 – 9 s.h. (Add new 6900 level course).

COUNS 7007. *School Counseling Practicum II*. Supervised individual and group counseling practices in school counseling. Requires field placement of 150 hours. Prereq: Couns 7001, no PR grades, successful completion of department comprehensive exam, and permission of instructor. 3 s.h.

CSCI 6921. *Strategic Project and Change Planning*. Information technology control including organizational effects through methods, control techniques, and project tools. Cases provide domestic and international experience via initialization, planning, execution, tracking, and risk assessment. Time, reporting, resources, project relevance, organizational impact, and operational consistency are addressed through anticipatory, reactive, and crisis approaches. Prereq.: CSCI 6920. 3 s.h.

CSIS 6993.* *Computing and Information Systems Graduate Internship*. An industrial/academic experience in information systems/technology. Employment for 15 to 20 hours per week. May be repeated once with the permission of graduate internship supervisor. Prereq.: CSCI 6920 and permission of graduate internship supervisor. 1-3 s.h.

GEOL 6910. *Advanced Aquifer and Well Hydraulics*. Computer-based test analyses; heat flow in the subsurface; and modeling of groundwater flow and contaminant transport. Prereq: permission of instructor. 3 s.h.

GEOL 6950. *Selected Topics in Geology*. Addresses specific topics in geology. The topics may vary and will be announced prior to registration. The course may be repeated provided different topics are addressed. 1-3 s.h.

PHYTH 6923. *Community Applications*. Community based project that encompasses the aspects of Advocacy, Collaboration, Social Responsibility, Consultation & Leadership, Marketing/PR and Fiscal Management. Prereq. Admission to the MPT Program. 3 s.h.

Changes in Graduate and Swing Courses

BIOL 6950. *Comparative Animal Physiology*. The study of physiological mechanisms and adaptations of animals to environmental stresses of their habitats. Three hours lecture and three hours laboratory per week. Prereq. BIOL 3730 or equivalent. 4 s.h. (Change existing 6900-level course prerequisite).

BIOL 6951. *Developmental and Comparative Neurobiology*. The study of processes critical to the development, maintenance and function of the nervous system. Topics will be presented from an experimental perspective using the scientific literature as a resource. Prereq. BIOL 3730 or equivalent. 3 s.h. (Change existing 6900-level course prerequisite).

BIOL 6962*. *Systematic Zoology*. Principles, significance, and procedure of zoological taxonomy. Prereq. BIOL 3741. 2 s.h. (Change existing 6900-level course prerequisite).

BIOL 6964. *Advanced Molecular Genetics*. An examination of the mechanisms of transcription, translation, DNA replication, RNA processing and transposition in both prokaryotes and eukaryotes. Prereq. BIOL 4890 or permission of instructor. 3 s.h. (Change existing 6900-level course prerequisite).

COUNS 7003. *Counseling Children and Adolescents*. Various theories and respective techniques for counseling and psychotherapy with children and adolescents. Research concerning the efficacy of such approaches will also be studied. 3 s.h. (Change existing 7000-level course prerequisite).

COUNS 7005. *Internship in Student Affairs*. This course will provide a weekly supervision and 600 hours of supervised field experience for Student Affairs students. The internship supervision is designed to promote the integration of theory and practitioner experiences for students in the Student Affairs program and to help students prepare for the transition to a professional student affairs position following completion of the degree. Prerequisites: Couns 6900, 6962, 6973, 6973L, 7021, 7023, and 7026. 3-6 s.h. (Change in 7000-level course title, description and prerequisite).

COUNS 7021. *Legal and Ethical Issues in Student Affairs*. This course is designed to provide graduate students with an introduction to the legal and ethical issues which affect higher education and student affairs practice. The primary goal of this course is to provide an exploration and understanding of legal issues pertaining to the various constituents of colleges and universities (students, faculty, and administrators). 3 s.h. (Change existing 7000-level course title and description).

COUNS 7023. *Characteristics and Development of College Students*. Students will be exposed to a range of human development theories and student characteristics that offer insight into the processes of student learning, growth, and development during the college years. Special focus will be directed toward the implications of these models for developing practices and strategies to meet the needs of a diverse student body. This course includes a 35-hour experiential practicum experience. 3 s.h. (Change existing 7000-level course description).

The following course was approved late, on 6/28/06:

COUNS 7026 *Foundations & Functions of Student Affairs*. Provides the graduate student with a comprehensive introduction to the field of student affairs and its role within the context of American higher education. A related goal is to develop a broad foundation of knowledge to which subsequent study of practitioner skills and research strategies may be added. This course includes a 35-hour experiential practicum experience. 3 s.h. (change existing 7000-level course title and description).

COUNS 7029. *Professional Issues in Student Affairs*. The purpose of this course is to expose graduate students to contemporary issues shaping student affairs practice. Topics will vary but will focus on the development of knowledge and skills in emerging areas relevant to professionals in student affairs (e.g., enrollment management, retention, assessment, finance and budget, grant-writing). 3 s.h. (Change existing 7000-level course description).

COUNS 7042. *Administration and Organization in Higher Education*. The purpose of this course is to expose graduate students to the complex study of administrative practices and organizational theory in the context of examining campus environments. By developing an informed knowledge base regarding the multiple perspectives of organizations and campus environments, students will be better prepared to lead change in student affairs settings. 3 s.h. (Change existing 7000-level course title and description).

COUNS 7044. *Leadership in Student Affairs*. This course is intended to provide graduate students with a comprehensive understanding of the concepts, principles, and practice of leadership within the student affairs profession. Through theoretical and practical applications, students will develop the necessary leadership knowledge and skills needed to solve challenges within higher education. This course includes a 35-hour experiential practicum experience. 3 s.h. (Change existing 7000-level course title and description).

COUNS 7046. *Assessment in Student Affairs Practice*. The purpose of this course is to promote the understanding of assessment and program evaluation in enhancing practice. The course will focus on how to utilize assessment to improve practice and to demonstrate the effectiveness of programs, as well as to provide opportunities to effectively assess various dimensions of the college experience. By learning the usefulness and appropriateness of various

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assessment methodologies, the emerging practitioner will learn to provide evidence for effective practice. 3 s.h. (Change existing 7000-level course description).

CSCI 6951.* *Data Warehousing and Data Mining*. Basic methodology for planning, designing, building, using, and managing a data warehouse. Legacy systems, operational data stores, and data marts. Data mining techniques for visualization and deriving information from a data warehouse for strategic decision making. Prereq.: CSIS 3722. 3 s.h. (Change existing 6900-level course prerequisite).

CSCI 6961.* *Client-Side Web Development and Programming*. Design and development of interactive, multimedia Web pages. Effective uses of forms, graphics, and animation. Client-side programming tools such as dynamic html, document object model, and JavaScript for graphics and form validation. Storyboarding techniques and user interface design principles. Prereq.: CSIS 2617 or CSCI 6901. 3 s.h. (Change existing 6900-level course prerequisite).

EDADM 8185. *Seminar in Educational Research/Dissertation Proposal*. The purpose of this course is to gain knowledge and skills in developing a research question and an appropriate methodology so that chapters I and II of a doctoral dissertation can be completed. Prereq: Found 8104, 8110, 8112, and 8114. 3 s.h. (Change existing 8000-level or higher course prerequisite).

ENGL 6989. *Teaching Practicum*. Techniques and strategies for teaching college composition, including course design and classroom practice. Required of and limited to graduate assistants who are teaching in the English Department. First-year graduate assistants must register for 3 semester hours of Teaching Practicum in two successive semesters, for a total of 6 semester hours. Grading is S/U. Does not count toward degree credit. 1-3 s.h. (Change existing 6900-level course description and hours).

MECH 5836. *Fluid Power and Control*. Theory of prime movers, turbomachinery, and control systems. Modeling of hydraulic and pneumatic systems and components. Hydraulic fluids, pumps, cylinders, valves, motors, compressors, and actuators. Hydraulic and pneumatic circuit applications and control. Prereq: MECH 3725. 3 s.h. (Change existing swing-level course prerequisite).

Undergraduate Courses Approved for Swing Credit

ACCTG 5814. *Federal Taxation 2*. Study of current Federal income tax law applying to proprietorships, corporations, S corporations, and partnerships. Includes fundamentals of researching tax law and preparing business tax returns. Prereq.: C or better in ACCTG 4813. 3 s.h.

ACCTG 5820. *Government and Funds Accounting*. Generally accepted accounting principles for not-for-profit and governmental organizations as established by the appropriately recognized standard-setting bodies. Includes state and local governments, school districts, colleges and universities, hospitals, voluntary health and welfare organizations, and others. Prereq.: C or better in ACCTG 2603. 3 s.h.

CSCI 5857. *Encoding and Encryption*. Securing computer and information systems through encoding and/or encryption. Private and public cryptographic methods, digital certificates and signatures, cryptovvariable techniques, key management, and database security issues. Prereq.: CSIS 1560 or 2610; MATH 1548 or 1571; and at least 3 s.h. of upper-division departmental courses. 3 s.h.

GEOG 5812. *Global Positioning Systems and GIScience*. Background, application and theory of satellite positioning technology. Incorporates GPS field data collection and subsequent integration with GIS analysis tools. Prereq: GEOG 5810. 3 s.h.

GEOG 5850. *International Area Study*. A course in the geography and environment of a selected international area with emphasis on cultural development through travel in the selected region. The class and travel is supervised by the geography or history faculty. The course grade is based upon a term paper which must be submitted within 60 days after the end of the course. Prereq: permission of the chair. 3 s.h.

STAT 5802. *Theory of Interest*. Mathematical theory and techniques in analysis of interest. Topics include measurement of interest, force of interest, annuities, amortization, pricing of investment products, and applications to actuarial sciences. Prereq.: MATH 1572 and any 3700-level MATH, STAT, ECON, or FIN course. 3 s.h.

Deleted Graduate Courses

PHYTH 6912. *Posture, Movement and Health*, 1 s.h.

PHYTH 6917. *Problem-Based Cases: Electives*, 1 s.h.

New Graduate Programs

Program Development Plan for Doctor of Physical Therapy (DPT)

Program Development Plan for Master of Arts in Art (MA in Art)

Program Changes—Master's Program

Criminal Justice—Change in admission requirements—Department will have two types of regular admission: (1) unrecalculated undergraduate GPA of 3.0 or higher and no admission test; (2) unrecalculated undergraduate GPA of 2.7 to 2.99 and a satisfactory score* on the GRE, MAT, or LSAT. A student who meets these criteria but has undergraduate coursework deficiencies may be granted provisional admission.

* (30th percentile or higher on the LSAT, GRE overall, or MAT group overall score)

Criminal Justice—Change in degree requirements—Program structure will be changed to require six core classes plus elective classes. The three “Emphasis Areas” listed in the *2004-06 Graduate Bulletin* will be eliminated. (Current program structure is four core classes and completion of an Emphasis Area.) Students may still complete an emphasis area if they so choose, but they will not be required to do so.

Items Not Approved as Submitted; Returned to Department

Counseling—Change in admission requirements.

COUNS 7026, change in existing course title and description.