

MINUTES
Faculty Senate Academic Affairs
February 15, 2005 3:30 pm K-State Union, Room 204

Present: Ackerman, Erickson, Fairchild, Hedrick, Marr, Reynolds, Simon, Stewart, Stokes, Thompson, Trussell

Absent: Lehew, Turnley

Visitors: Alfred Cochran, Tom Herald, Patricia Marsh, Monty Nielsen, Don Robertson, Jackie Spears

I. Fred Fairchild, Chair, called the meeting to order at 3:31 p.m.

II. Minutes of the February 1, 2005 Academic Affairs Committee meeting were approved.

III. Announcements - none

IV. Course and Curriculum Changes

A. Undergraduate Education

1. A motion was made by Thompson and seconded by Marr to approve the undergraduate course and curriculum changes approved by the College of Education on January 25, 2005:

CHANGE:

EDADL 212 to: EDLST 212

EDADL 350 to: EDLST 350

EDADL 405 to: EDLST 405

EDADL 430 to: EDLST 430

EDADL 450 to: EDLST 450

ADD:

EDLST 502

Motion carried.

B. Graduate Education

1. A motion was made by Stokes and seconded by Erickson to approve graduate course and curriculum changes approved by the Graduate Council February 1, 2005:

CHANGE

CIS 736 Computer Graphics

CIS 771 Software Specification

CS 868 Topics in Small Animal Internal Medicine I

EECE 645 Digital Electronics

HN 832 Practicum in Sensory Analysis

ME 610 Finite Element Applications in Mechanical Engineering

NE 612 (512) Principles of Radiation Detection

ADD

CS 869 Topics in Small Animal Internal Medicine II

EECE 896 Graduate Seminar in Electrical and Computer Engineering

IMSE 680 Quantitative Problem Solving Techniques

IMSE 888 Research Methods in Industrial Engineering

CURRICULUM CHANGES (Addendum 4, page 23, for description)

M.S. in Industrial Engineering

M.S. in Engineering Management

M.S. in Operations Research

CONCURRENT DEGREES – Attachment 1 (Changes made & accepted by Grad Council)
Concurrent B.S./M.S. Degree in Industrial Engineering (Addendum 5, page 24, for description)

NEW DEGREE PROGRAM – Attachment 2
Master of Veterinary Biomedical Science (Addendum 6, page 26, for description)

Dr. Don Robertson, Associate Dean for Research, College of Veterinary Medicine, briefly reviewed highlights of the new degree program with the committee and described its purpose within the college.

Discussion arose between members of the committee and visitors when Senator Stokes questioned what our role is in approving these degrees when it seems they are a “sure thing” by the time they come to us. Both Senators Ackerman and Fairchild made comments indicating that changes are approved within a particular college and they determine there are no conflicts within that college prior to sending the proposal to Academic Affairs. Then when the proposal comes through the Faculty Senate Academic Affairs committee, we make sure there are no conflicts *between* colleges and indicate if we support the proposal. Senator Trussell also commented that she and other members of the Library feel that colleges need to be checking with them prior to instituting a new degree program, major, or minor to see whether they have the necessary materials for the new program, major, or minor. Senator Fairchild agreed this is a valid concern and indicated the committee would visit about that issue in a future meeting.

Motion carried.

C. General Education - none

V. Old Business

A. Senior and Alumni Surveys Update – Alice Trussell

Senator Trussell feels that progress is being made, however, the biggest challenge so far is finding agreeable meeting times for the committee.

B. Assessment Update - Patricia Marsh (**Attachment 4**)

Dr. Patricia Marsh passed out a meeting schedule for the HLC-NCA (Higher Learning Commission – North Central Association) Assessment Team visit on February 21-22, 2005. She indicated what some of the evaluators’ questions might be and that colleges should be honest with the evaluators as to where they are in the process of student-learning outcomes. She confirmed the Academic Affairs committee is to meet with the evaluators on Monday, February 21, 2005 from 12:45-1:30 p.m. in the K-State Student Union, room 204. She also made the committee aware that in the future they will be involved in making decisions on how reporting of the assessment is done.

Senator Fairchild asked for comments from Dr. Jackie Spears, Faculty Senate President, and Dr. Tom Herald, Faculty Senate President-elect. Dr. Spears indicated that these student-learning outcomes will help the students know what they should be leaving college with, but that taking assessment to the extreme can trivialize learning and so we need to be balanced. Dr. Herald mentioned the talking points put together by Assessment and Program Review are very helpful in showing how far we have come since 2001. Dr. Marsh indicated these are available on the website: www.k-state.edu/apr/accreditation/2005visit.htm. Dr. Marsh commented that the ultimate goal is to improve student learning.

C. Faculty rights in the classroom

Senator Hedrick has a meeting scheduled with Roger Adams, Chair of Faculty Affairs, and Cheryl Strecker of the University Attorney’s Office this Thursday. He asked if there were any specific questions or issues the committee would like him to address in this meeting. Senator Stokes wondered about a statement being on an instructor’s syllabi. Senator Marr brought up the question of a student’s right to an education and how that may affect an outcome. He wondered in what situations instructors could be liable. Senator Hedrick will take these questions to his meeting on Thursday.

D. Pick-A-Prof

Senator Reynolds indicated there was no additional information at this time. Senator Marr commented that after having our last conversation regarding Pick-A-Prof he decided to check it out. He found it is definitely nation-wide and did have concerns about its use. Senator Trussell also mentioned there is another website that is similar: www.ratemyprofessors.com. It was agreed by the committee to remove this item from Old Business until further information arises.

E. Dropping of Minors

Academic Affairs supports dropping all minors listed on Provost Nellis' memo except for the minor in Russian. Senator Fairchild will forward the committee's input to Provost Nellis regarding the six minors.

VI. New Business

A. A motion was made by Fairchild and seconded by Marr to approve the December 2004 graduation list. Motion carried.

B. A motion was made by Thompson and seconded by Stewart to approve a posthumous degree for Dixie May Spence. Dixie died January 17, 2005 as a result of injuries in an automobile accident. At the time of her death, she was enrolled at Kansas State University as a senior in Apparel Marketing and Design. A request has been made to award the Bachelor of Science in Apparel and Textiles posthumously to Dixie May Spence. Motion carried.

C. Proposed change to Academic Calendar Committee – **ATTACHMENT 3**

Dr. Monty Nielsen, Registrar, reviewed assumptions listed on the second page of attachment 3 and gave a brief history on the Calendar committee. The assumptions listed do not include the summer calendar, which is overseen and managed by the Deans Council. These assumptions reflect the structure of the current calendar as well as calendars approved through 2010. Also, these assumptions are inter-related and if one is changed, it affects the others. There were a variety of comments and questions from the committee and visitors regarding the proposed change to the Academic Calendar Committee. Senator Stewart commented there is no reference to intercessions or evening college on this list of assumptions. While both of these programs try to schedule very closely to fit into this calendar, they have to make small adjustments occasionally in order to meet the required amount of days. Dr. Nielsen responded that these assumptions apply only to the Fall and Spring semesters and the set of dates that make up those semesters. After discussion, Dr. Nielsen didn't believe this needed to be addressed in these set of assumptions based on the understanding that intercessions and evening college will schedule as closely as possible to these set of dates on the academic calendar and that university facilities will be willing to accommodate these needs. Dr. Jackie Spears indicated other areas have had rooming difficulties and discussion may come up about this in the future. Senator Fairchild commented that in the future these assumptions could be modified, if necessary. Senator Hedrick questioned what it meant to vote on "assumptions" and felt that these could possibly mean guidelines, but they could also be perceived as rules. It is a question of how loosely or rigidly these will be viewed. Senator Fairchild wondered if we might reword #8 to say general guidelines instead of assumptions. Senator Simon also had a suggestion regarding wording. After considerable discussion a motion was made by Senator Stewart to accept the proposal with the following amendment. On item #8 of the University Calendar Committee Policies and Procedures in the sentence that reads: *The following are the general operating assumptions that will be used in developing the Academic Calendar*, the word assumptions will be replaced with the word guidelines. Senator Thompson seconded the motion. The majority voted in favor of the motion.

Motion carried with one abstention to the vote.

D. Academic Climate

Senators Hedrick and Reynolds visited with Jack Connaughton, Associate Director of the K-State Student Union, about the lack of places available to post Academic Events. They feel encouraged that soon in the main entryway of the Union there may be a place to post Academic Events *only*.

VII. Committee Reports

A. Trussell report on University Library Committee

No report at this time.

B. Stewart report on Committee on Academic Policy and Procedures (CAPP)

The last CAPP meeting focused mainly on an update of LASER. Senator Stewart commented they were reminded again of the importance of cleaning up prerequisites. Also, there is still no agreement on whether K-State wants LASER to simply warn students regarding prerequisites or deny them from enrolling in a class if they do not meet the prerequisites. Multiple issues are still to be resolved prior to testing LASER. Many questions and concerns arose from the committee and discussion followed. Senator Stokes questioned the actual definition of Prerequisites. Dr. Monty Nielsen, Registrar, responded that he knows there are committees still working on definitions, but there are none available yet. The main point is we have to, as a whole, agree upon what we want the software to do in the case of prerequisites. This needs to be done by summer so that information can be put into the system in order for it to be tested.

C. Reynolds report on Student Senate

Senator Reynolds reported they are getting many allocations and finishing up with them. They are sending commendations to all the groups around campus that have won national and international awards. Also, they have given their support to the quarter cent sales tax that is coming up on the city agenda.

D. Trussell report on Class Drop Policy subcommittee

Senator Trussell had good news. The committee has arrived at a solution. First of all, they have decided this policy will be called the Class *Attendance* Policy. It was researched and discovered that many Universities around the country have developed a Class Drop Policy much like our own. Instead of taking this issue back through Academic Affairs and having Faculty Senate approve it, they are sending a request to Provost Nellis recommending him to issue a directive to the colleges informing them of the policy as well as to have heavy information given out ahead of time to students making them aware of this policy. Also, they are recommending this be highly emphasized in orientation classes. Primarily the change will be communication of this policy.

VIII. For the Good of the University - none

IX. Meeting was adjourned at 5:41 p.m.

ATTACHMENT 1
New Curriculum - Concurrent B.S./M.S.I.E. Degree

Concurrent Bachelor of Science and Master of Science Industrial Engineering Degrees

A student that successfully completes this program will receive both a B.S.I.E. and a M.S.I.E. degree from the Industrial and Manufacturing Systems Engineering Department (IMSE). This program has both a thesis and a coursework only format.

Admission Requirements: A student must petition Kansas State University's Graduate School to be admitted into this program, and:

- * be seeking a B.S.I.E. degree from IMSE
- * have completed at least 100 credit hours of his/her undergraduate degree
- * have earned a cumulative undergraduate GPA of at least 3.25
- * have a member of KSU's Graduate Faculty in the IMSE department agree to be his/her major professor (this professor can be changed in accordance of KSU's policies)
- * apply for this program before receiving his/her B.S.I.E. degree

Program Implementation:

In order to earn both the B.S. and the M.S. degrees in Industrial Engineering through the proposed concurrent degree program, a student must earn a total of 154 credit hours. This includes 124 hours of undergraduate credit and 30 graduate credit hours. The requirements for both degrees in this program meets both the Kansas Board of Regents requirements of a minimum of 124 undergraduate credit hours for a Bachelor of Science degree, and the KSU requirements that the Master of Science degree include a minimum of 30 additional credit hours beyond the B.S. degree. The student must complete university requirements of 124 under-graduate credit hours with at least a 2.0 GPA and 30 graduate credit hours with a graduate GPA of at least 3.0. Students enrolled in the concurrent degree program will complete 4 instead of 9 undergraduate credit hours of the advanced Industrial Engineering technical electives required by the regular B.S. degree in Industrial Engineering. The material covered in the graduate courses for the concurrent degree program will cover far more than the additional 5 credit hours of material covered in the Industrial Engineering technical electives completed by students in the B.S.I.E. degree program.

Once a student is admitted to the concurrent B.S./M.S.I.E. degree program, he/she should consult the graduate handbook for policies and procedures for graduate degrees, which include: supervisory committee, final examination, thesis defense, etc. The student's supervisory committee must approve the program of study, which is that student's graduation requirements.

Once a student has completed all of the graduation requirements, he/she will graduate with both a B.S.I.E. and an M.S.I.E. degree in the same semester. In the event that a student begins this program, but does not wish to finish it, he/she must change 9 credit hours of his/her graduate classes to undergraduate credit and then he/she will receive a B.S.I.E. degree. Additionally, once the student has completed 129 credit hours the student's supervisory committee will evaluate whether or not the student will be allowed to complete the integrated B.S./M.S.I.E. program. If the supervisory committee doesn't allow the student to complete the program, then, upon completion of the B.S.I.E. requirements, the student will graduate with a B.S.I.E. degree. In either of these two cases, the student has lost the ability to count courses toward both his/her undergraduate and graduate degrees.

In the event that a student begins this program, but does not want to finish it, he/she must change his/her program of study to be only the B.S.I.E. degree program and complete the requirements for that degree. Any student that graduates with the B.S.I.E. degree may not enroll in the concurrent B.S./M.S. I.E. degree program.

Rationale: A concurrent B.S./M.S.I.E. program will encourage IMSE students to pursue their M.S. degree at KSU. This program will provide the opportunity for the top I.E. students to greatly enhance their knowledge and skills by which to reach their career objectives in engineering. The graduate student enrollment in the IMSE Department is expected to increase, providing the faculty with additional support for research and instructional programs. See the attached pages for the details of the program.

Effective Date: Spring 2005

KANSAS STATE UNIVERSITY
DEPARTMENT OF INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING
Concurrent Bachelor of Science and Master of Science - INDUSTRIAL ENGINEERING

Program Format and Minimum Requirements*

An entering student must be pursuing a B.S.I.E. and have at least a 3.25 GPA. The student must enroll after 100 hours have been completed, but before his/her B.D. degree is awarded.

The formats for this program are as follows.*

	<u>Thesis</u>	<u>Course Work Only</u>
Core Courses	9	12#
Other IMSE Courses and Electives	15	18
Thesis	6	0
IE Seminar **	0	0
TOTAL GRADUATE CREDITS	30	30

Core Courses and Policies

IMSE 641 - Statistical Process Control in Manufacturing (for graduate credit)

IMSE 666 - Operations Research III (for graduate credit)

IMSE 811 - Advanced Production & Inventory Control

IMSE 888 - Research Methods in Industrial Engineering

To graduate, a student may receive at most one C in all of the core courses (no D's or F's are allowed). This may require some students to retake core courses.

* Actual degree requirements will be summarized on an approved plan of study. Some general guidelines include:

At least 60 percent of classes must be above the 700 level.

No more than 6 hours can be taken from an outside department without prior permission.

Courses in the IMSE department must be above the 600 level.

Courses outside the department must be above the 500 level.

No more than 6 hours can be taken at the 500 level.

Continuous enrollment required.

** Students on-campus are required to enroll in either Graduate Seminar, IMSE 892, or Engineering

Assembly, IMSE 015. In addition each student must be enrolled in IMSE 892 for at least one year.

ATTACHMENT 2

Master of Veterinary Biomedical Science (Proposal)

Basic Program Information

Proposing Institution: Kansas State University

Title of Proposed Program: Master of Veterinary Biomedical Science

Anticipated Date of Implementation: January 1, 2005

Program Proposal Narrative

Mission of KSU

Kansas State University is a comprehensive, research, land-grant institution serving students and the people of Kansas, and also the nation and the world. Since its founding in 1863, the University has evolved into a modern institution of higher education, committed to quality programs, and responsive to a rapidly changing world and the aspirations of an increasingly diverse society. Together with other major comprehensive universities, Kansas State shares responsibilities for developing human potential, expanding knowledge, enriching cultural expression, and extending its expertise to individuals, business, education, and government. These responsibilities are addressed through an array of undergraduate and graduate degree programs, research and creative activities, and outreach and public service programs. In addition, its land-grant mandate, based on federal and state legislation, establishes a focus on instructional, research, and extension activities, which is unique among the Regents' institutions.

Mission of the College of Veterinary Medicine

The College of Veterinary Medicine (CVM) supports the land-grant tradition of Kansas State University in teaching, research and public service. Even though the primary objective of the CVM is to prepare professional students to meet the demands of veterinary careers, the College is committed to preparing students for graduate programs, internships and residencies. It is imperative that students who receive training in the CVM be prepared for careers in private practice, academia, government and industrial positions. Due to its location in the middle of the United States where large numbers of food animals are produced, a major goal of the College of Veterinary Medicine is to prepare students for food animal practices and teaching, research and public service dedicated to food safety issues and providing safe food.

A key component of the CVM mission is to conduct basic and applied research and train graduate students through interdisciplinary programs. Graduate programs are available for non-veterinarians and graduate veterinarians. Graduate veterinary students may complete advanced degrees through a dual degree program (DVM/MS) while working towards to DVM, and after completion of their degree and variable amounts of work experience. Graduate students can earn the Master's degree in each of the three departments. In addition, the Ph.D. is awarded by the Department of Anatomy and Physiology and the Department of Diagnostic Medicine and Pathobiology.

Program Overview

Purpose: To establish a Master of Veterinary Biomedical Science degree offered by the College of Veterinary Medicine at Kansas State University. Each student's program will be designed by his/her supervisory committee with coursework from any of the three participating disciplines in the CVM and other departments at KSU as needed to support the student's thesis project and long-term educational goals.

Rationale: The intent of this new degree program is to merge three separate Master's degree programs into a single program with students selecting a concentration in one of the three disciplines within the CVM determined by their thesis project and supervisory committee. This organizational structure is important due to the diversity of research programs in the CVM; however, this degree program will have several advantages compared with current individual degree programs. The degree program will be coordinated by an supervisory committee consisting of the Chair of the Graduate Studies Committee from each discipline and the Associate Dean for Research and Graduate Affairs. The degree program will facilitate interdisciplinary studies within the College of Veterinary Medicine and communication between faculty and graduate students. There is a strong precedent for this combined Master's degree program in the CVM since there are already interdepartmental Master's degree programs at Kansas State University in the Department of Biochemistry, College of Engineering, the Food Science Institute, the Genetics Program and the College of Human Ecology.

Current Status of Master's Degree Programs in the CVM

The number of graduate students enrolled in M.S. degree programs in each Department in the College of Veterinary Medicine for the academic year 2003-2004 were as follows: 1) Anatomy and Physiology, 5 (includes 1 dual degree student); Department of Clinical Sciences, 10 (includes 3 dual degree students), and 3) Department of Diagnostic Medicine/Pathology, 18 (includes 3 dual degree students).

Master's Degree Requirements

Requirements for graduate admission, credit requirements and continued enrollment in the Master's degree programs in departments/disciplines within the College of Veterinary Medicine are in accordance with those of the Graduate School at Kansas State University. A minimum of 30 semester hours of credit including 6 to 8 semester hours of thesis research credit are required. Applicants with a bachelor's degree who are concurrently pursuing a DVM degree may apply 12 hours from relevant courses towards both the Master's and DVM degrees. Only two 500-level courses (6 hours total) may be used for an M.S. degree. A significant majority of course work (at least 60 per cent) should be at the 700 level or higher. Only 3 hours of problems or individualized study may apply toward the M.S. degree. Successful completion of a final oral or comprehensive written examination, or both, is required of all master's degree candidates. The final examination is administered by the supervisory committee and may include defense of the thesis, and/or a testing of the student's understanding of the field of study.

Subject to the approval of the graduate discipline, the candidate may choose one of the following program options: (1) a minimum of 30 semester hours of graduate credit including a master's thesis of 6 to 8 semester hours; (2) a minimum of 30 semester hours of graduate credit including a written report of 2 semester hours either of research or of problem work on a topic in the major field; or (3) a minimum of 30 semester hours of graduate credit in course work only, but including evidence of scholarly effort such as term papers or production of creative work, as determined by the student's supervisory committee. Decisions on each option will be made by the student's supervisory committee in consultation and approval by the student's advisor.

A graduate student may be denied continued enrollment in the university in case of: i) failure to satisfy conditions necessary for removal of probationary status, ii) accumulation of 6 or more semester hours of work with grades less than B, or grade point average less than 3.0, iii) demonstrable lack of diligence in meeting published degree requirements, iv) failure to acquire mastery of the methodology and content of one's field sufficient to complete a successful thesis.

Before the end of the second semester of graduate study, the student must file with the Graduate School a "program of study" that serves as a planning document. The student's program of study is prepared with the assistance of a supervisory committee consisting of the major advisor and two other graduate faculty members. The program is subject to the approval of the dean of the Graduate School upon recommendation of the student's supervisory committee and the appropriate department head. The program may be modified on further recommendation of the supervisory committee and the approval of the graduate dean.

Successful completion of a final oral examination or comprehensive written examination, or both, shall be required of all master's degree candidates, the specific form being determined by individual programs. The final examination is administered by the student's supervisory committee and may include a defense of the thesis or report, an interpretation of other scholarly products, or a testing of the student's understanding of the field(s) of study. The option for the final examination must be approved by the student's supervisory committee and his/her major professor.

If a student's program of study includes any course credits more than six years old at the time the student is about to complete all degree requirements, the final master's examination will normally include an examination over the body of course work listed on the program of study. The form and content of this competency examination is determined by each master's program, which may impose additional requirements for revalidating the student's competency in the supporting course work. Exceptions to this policy may be sought from the Dean of the Graduate School in a master's program for which such a revalidation examination may be inappropriate. Three copies of the Master's thesis and reports are required by the Graduate School for submission to the Kansas State University Libraries and bound in cloth in accordance with specifications for Class A binding of the Library Binding Institute. A charge to cover the cost of binding will be posted to a student's University account after the Graduate School receives the notice of intention from a student to graduate. If students desire to publish all or part of their theses before the degree is conferred, major professors should notify the Graduate School in advance by letter. If approved by the major professor, master's theses may be placed on file with University Microfilms, which will also publish an abstract in Master's Abstracts. Since master's theses and reports are submitted as part of degree requirements, the University retains the right to publish any portion as a contribution to knowledge. Patentable items created under University auspices are subject to the Regents patent policy.

Graduate Faculty-Department of Anatomy and Physiology

Head: Frank Blecha

Chair of Graduate Executive Committee: Chris Ross

Graduate Faculty:

Tom Barstow, Ph.D., University of California-Davis

Frank Blecha, Ph.D., Washington State University

Walter Cash, DVM, Kansas State University; Ph.D., Kansas State University
Peter Chenoweth, BVSc, University of Queensland, Australia; Ph.D.
University of Queensland, Australia
Elizabeth Davis, DVM, Florida State University
Howard Erickson, DVM, Kansas State University; Ph.D., Iowa State University
Lisa Freeman, DVM, Cornell University; Ph.D., The Ohio State University
Michael J. Kenney, Ph.D., University of Iowa
Meena Kumari, Ph.D., University of Delhi, India
Daniel C. Marcus, D.Sc., Washington University-St. Louis
Richard M. McAllister, Ph.D., SUNY Health Science Center-Syracuse
Timothy Musch, Ph.D., University of Wisconsin-Madison
Frederick Oehme, DVM, Kansas State University; Ph.D., University of Missouri
David Poole, Ph.D., University of California-Los Angeles
Donald Robertson, Ph.D., Iowa State University
Chris Ross, DVM, University of Missouri; Ph.D., University of Missouri
Bonnie Rush, DVM, The Ohio State University
Bruce D. Schultz, Ph.D., Cornell University
Delores Takemoto, Ph.D., University of Southern California
John Tomich, Ph.D., Guelph-Waterloo
Deryl Troyer, DVM, Kansas State University; Ph.D., Kansas State University
Philine Wangemann, Ph.D., Albert-Ludwigs University, Freiburg, Germany
Mark Weiss, Ph.D., University of Pennsylvania-Philadelphia
Ruth Welti, Ph.D., Washington University-St. Louis

Graduate Faculty-Department of Clinical Sciences

Head: Greg Grauer

Chair of graduate committee: James Roush

Graduate Faculty:

Laura J. Armbrust, DVM, Kansas State University
Mary Bagladi-Swanson, DVM, Kansas State University
David Biller, DVM, Auburn University
Alan Brightman, DVM, Kansas State University; M.S., University of Illinois
Barret Bulmer, DVM, Louisiana State University, M.S., University of Illinois
James Carpenter, DVM, M.S., Oklahoma State University
Peter Chenoweth, BVSc, Ph.D., University of Queensland, Australia
Ruthanne Chun, DVM, University of Wisconsin-Madison
Judy Cox, DVM, M.S., Kansas State University
Deborah Davenport, DVM, Auburn University, M.S., Ohio State University
Elizabeth G. Davis, DVM, University of Florida
Steve Dritz, DVM, University of Minnesota; Ph.D., Kansas State University
Roger Fingland, DVM, University of Missouri-Columbia; M.S., The Ohio State University
Laura Garrett, DVM, University of Illinois
Gregory Grauer, DVM, Iowa State University; M.S., Colorado State University
Harriett Davidson Graves, DVM, M.S., Michigan State University
Kenneth Harkin, DVM, Iowa State University
James Hoskinson, DVM, Washington State University
James Lillich, DVM, Colorado State University; M.S., Ohio State University
Diane Mason, DVM, M.S., Ohio State University; Ph.D., Kansas State University
Rose McMurphy, DVM, Washington State University
Lisa Moore, DVM, University of Florida
Walter Renberg, DVM, Oklahoma State University; M.S., Virginia Polytechnic Institute and State University
Daniel C. Richardson, DVM, Kansas State University
James Roush, DVM, Purdue University; M.S., University of Wisconsin-Madison
Bonnie Rush, DVM, M.S., Ohio State University
Michael Sanderson, DVM, Colorado State University; M.S., Washington State University
Thomas Schermerhorn, DVM, University of Pennsylvania
Mark Spire, DVM, Texas A&M; M.S., Kansas State University

Graduate Faculty-Department of Diagnostic Medicine and Pathobiology

Department Head: M.M. Chengappa

Director of graduate studies: T. G. Nagaraja

Graduate Faculty:

Gordon Andrews, DVM, Oklahoma State University; Ph.D., Kansas State University; ACVP Diplomate
Frank Blecha, Ph.D., Washington State University
Alan H. Brightman, DVM, Kansas State University; M.S., University of Illinois
M. M. Chengappa, BVSc, University of Agriculture Science, India; Ph.D., Michigan State University; ACVM Diplomate
Peter Chenoweth, BVSc, University of Queensland, Australia; Ph.D., University of Queensland, Australia
Shafiqul I. Chowdhury, DVM, Bangladesh Agricultural University; Ph.D., Free University of Berlin
Ruthanne Chun, DVM, University of Wisconsin-Madison
Brad DeBey, DVM, Ph.D., Iowa State University; ACVP Diplomate
Steve Dritz, DVM, University of Minnesota; Ph.D., Kansas State University
Michael W. Dryden, DVM, Ph.D., Purdue University
Roman Reddy Ganta, Ph.D., All India Institute of Medical Sciences
Sanjay Kapil, DVM, Haryana Agriculture University; Ph.D., University of Minnesota; ACVM Diplomate
Kerry S. Keeton, DVM, Texas A & M University; Ph.D., University of California; ACVP Diplomate
Manuel Moro, DVM, University of San Marcos, Peru; Ph.D., Iowa State University
Derek A. Mosier, DVM, Kansas State University; Ph.D., Oklahoma State University; ACVM Diplomate
T. G. Nagaraja, BVSc University of Agriculture Science, India; Ph.D., Kansas State University
Jerome Nietfeld, DVM, Kansas State University; Ph.D., University of Georgia; ACVP Diplomate
Richard D. Oberst, DVM, Oklahoma State University; Ph.D., University of California-Davis
Frederick W. Oehme, DVM, Kansas State University; Ph.D., University of Missouri; ABVT and ABT Diplomate
Randy Phebus, Ph.D., University of Tennessee
John Pickrell, DVM, University of Illinois; Ph.D., University of Illinois; ABVT Diplomate
Donald C. Robertson, Ph.D., Iowa State University
R. Robert R. Rowland, Ph.D., University of New Mexico
Mark Spire, DVM, Texas A&M; M.S., Kansas State University
George C. Stewart, Ph.D., University of Texas Health Science Center at Dallas
Delores J. Takemoto, Ph.D., University of Southern California
Mark Weiss, Ph.D., University of Pennsylvania-Philadelphia
Melinda Wilkerson, DVM, University of Missouri; Ph.D., Washington State University, ACVP Diplomate
Carol R. Wyatt, Ph.D., Washington State University

Program Disciplines (Graduate Catalog Text)

Anatomy and Physiology

The Department of Anatomy and Physiology is a multi-disciplinary department dedicated to the use of contemporary methods to examine important questions of modern cellular and systemic physiology, pharmacology and neuroscience. The department offers a diverse research environment with many opportunities for scientific interaction and training. Specific areas of research include comparative exercise physiology, food animal immunophysiology, molecular biology of membranes, molecular genetics and gene mapping and expression, neural control of cardiovascular function, ion channel structure and function, and transport processes and pathophysiology of microcirculation. Experimental approaches of research projects within each program range from studies at the molecular and cellular levels to isolated tissues and whole animals. Career options available with an advanced degree in anatomy or physiology include academic positions in various animal and human health science-related institutions such as Colleges of Veterinary Medicine and Schools of Medicine and Dentistry, as well as positions in industry and agribusiness.

Clinical Sciences

The primary goal of graduate study programs in the Department of Clinical Sciences is to prepare students for careers in teaching and research in a clinical specialty area. The department, along with the Veterinary Medical Teaching Hospital, has modern facilities and equipment for both basic and applied studies. Thesis projects may be done through collaborations between departmental faculty within the College and other academic units at Kansas State University units such as Animal Sciences and Industry, Dairy Sciences, Meat Sciences and the Center for Basic Cancer Research in the Division of Biology. Students may be enrolled in a combined clinical residency/MS training program or a dual degree (DVM/MS) program.

A residency program designed to prepare and qualify a veterinarian for specialty boards recognized by the American Veterinary Medical Association (AVMA) is usually combined with the graduate program. The residency program is administered separately from the graduate program and requires a separate application. While a graduate program can be accomplished in a shorter period of time, the duration of combined programs is usually three years. Details of an individual residency program can be obtained from the Director of the KSU Veterinary Medical Teaching Hospital (KSU-VMTH). Graduate programs can be completed concurrent with enrollment in the CVM or by non-DVM applicants. Residency training is a prerequisite for board certification by veterinary specialty colleges like the American College of Veterinary Internal Medicine and the American College of Veterinary Surgeons.

Diagnostic Medicine and Pathobiology

The Department of Diagnostic Medicine and Pathobiology includes faculty involved in the study of the epidemiology, diagnosis, pathogenesis, and prevention/control of infectious and parasitic diseases of animals and humans. Opportunities for advanced graduate work after the Master's degree include the Doctor of Philosophy degree in the areas of bacterial and viral pathogenesis, clinical and diagnostic pathology, epidemiology, immunology and immuno-modulation, parasitology, pathology (clinical and anatomic) and toxicology. Incoming students usually have undergraduate degrees in areas such as animal science, biology, biochemistry, genetics, food science, and microbiology or the DVM degree. Training in biology and a background in either microbiology or biochemistry are essential.

Requirements for Completion of Master of Veterinary Bioscience Degree

The credit requirements for the Master of Veterinary Bioscience degree are in accordance with those of the Graduate School, Kansas State University. A minimum of 30 semester hours of credit including 6 to 18 hours of thesis credit are required. Only two 500-level courses (6 hours total) may be used for an M.S. degree. A majority of course work (at least 60 per cent) must be at the 700 level or higher. Only 3 hours of problems or individualized study may apply toward the M.S. degree. Successful completion of a final oral or comprehensive written examination, or both, is required of all master's degree candidates. Applicants with a bachelor's degree who are concurrently pursuing a DVM degree may apply 12 hours from relevant courses toward both the master's and DVM degrees if the grades in these courses are adequate. Applicants already possessing the DVM degree can likewise select 12 hours from the professional curriculum to be applied toward the M.S. degree. The final examination is administered by the supervisory committee and may include defense of the thesis, and/or a testing of the student's understanding of the field of study.

Admission Requirements

To be admitted with full standing, the applicant must have either an average of B or better in the junior and senior undergraduate years or a veterinary medical degree from an approved institution. Adequate undergraduate preparation in the proposed field is essential. Applicants must complete a minimum of 30 hours of credit, which includes 6 to 12 hours of research credit. A student who has less than a B average, based on individual merit, may be admitted on probationary status. Full standing is attained automatically upon completion of at least 9 hours of course work for graduate credit with grade of B or better and upon the removal of any deficiency which was specified at the time of admission. International students must have a health certificate, demonstrated evidence of financial support if not support by a departmental assistantship and acceptable scores on the Test of English as a Foreign Language (TOEFL).

Students applying to the Departments of Anatomy and Physiology and Diagnostic Medicine and Pathobiology are encouraged to have completed undergraduate coursework in areas such as animal science, microbiology, biology, biochemistry/pharmacology, genetics and food science with training in biology and biochemistry being especially important.

Admission requirements in the Department of Clinical Sciences include holding a doctor of veterinary medicine degree or its equivalent. Applicants currently enrolled in the professional veterinary curriculum or those holding a baccalaureate degree will be considered on an individual basis.

Application for Admission

Applications are considered on a regular basis either as positions become available in research programs within each department or early in the calendar year for admission for the fall semester. Teaching and research assistantships are awarded on the basis of merit and availability, using the same criteria used for admission decisions. All students offered admission are considered for financial support.

Application information is available either from the Dean of the Graduate School, the Associate Dean for Research and Graduate Affairs, College of Veterinary Medicine or the Chairperson of the graduate program in each CVM department. Applications should be made by February 1st for admission to the program in a fall semester.

College of Veterinary Medicine Graduate Courses

(Full course descriptions can be found in the Graduate Catalog)

Department of Anatomy and Physiology

AP 601. Cardiorespiratory Exercise Physiology.

AP 603. Cardiovascular Exercise Physiology.

AP 700. Gross Anatomy I.

AP 705. Gross Anatomy II.

AP 710. Microscopic Anatomy I.

AP 715. Veterinary Comparative Embryology.

AP 720. Veterinary Neuroscience.

AP 737. Veterinary Physiology I.
AP 747. Veterinary Physiology II.
AP 770. Pharmacology.
AP 773. Bioinstrumentation Laboratory.
AP 790. Problems in Anatomy and Physiology.
AP 796. Topics in Kinesiology.
AP 800. Advanced Physiology of Exercise.
AP 803. Seminar.
AP 825. Special Anatomy.
AP 850. Anatomical Techniques.
AP 861. Ultrastructural Interpretation of the Nervous System.
AP 870. Advanced Cardiovascular Physiology.
AP 880. Mechanisms of Drug Action.
AP 890. Problems in Pharmacology.
AP 895. Equine Exercise Physiology.
AP 898. Master's Report.
AP 899. Research.
AP 901. Molecular Neurobiology.
AP 925. Advanced Physiology.
AP 995. Problems in Physiology.
AP 999. Research in Physiology.

Department of Clinical Sciences

Doctor of veterinary medicine degree and graduate credit with permission of instructor

CS 800. Problems in Medicine or Surgery.
CS 802. Supplemental Clinical Small Animal Soft Tissue Surgery.
CS 803. Supplemental Small Animal Internal Medicine.
CS 806. Supplemental Equine Studies.
CS 812. Production Medicine of Small Ruminants.
CS 813. Beef Production Medicine.
CS 814. Veterinary Diagnostic Imaging II.
CS 818. Supplemental Clinical Small Animal Orthopedic Surgery.
CS 821. Vet Medicine for South American Camelids.
CS 822. Exotic Animal, Wildlife and Zoo Animal Medicine.
CS 823. Companion Small Animal Medicine.

Graduate credit only with permission of the instructor

CS 850. Research in Medicine.
CS 851. Breeding Diseases.
CS 852. Interpretation of Radiology Studies of Body Systems.
CS 854. Systemic Medicine I.
CS 855. Systemic Medicine II.
CS 858. Orthopedic Surgery.
CS 859. Clinical Sciences Seminar.
CS 861. Advanced Large Animal Surgery 1.
CS 862. Advanced Large Animal Surgery 2.
CS 863. Advanced Large Animal Surgery 3.
CS 867. Advanced Diagnostic Imaging - Small Animal.
CS 868. Topics in Small Animal Internal Medicine.
CS 870. Diagnostic Methods in Feedlot Management.
CS 871. Fundamentals of Feedlot Health and Management.
CS 872. Small Animal Endoscopy.
CS 873. Advanced Topics in Small Animal Surgery.
CS 890. Clinical Sciences Problems.
CS 895. Research Methods.
CS 899. Thesis Research in Clinical Sciences.

Department of Diagnostic Medicine and Pathobiology

DMP 650. Fundamentals of Public Health and Food Safety.
DMP 705. Principles of Veterinary Immunology.
DMP 708. Principles and Methods of Epidemiology.
DMP 712. Veterinary Bacteriology and Mycology.
DMP 715. General Pathology.

DMP 718. Veterinary Parasitology.
DMP 720. Systemic Pathology.
DMP 722. Veterinary Virology.
DMP 753. Zoonoses and Preventive Medicine.
DMP 759. Laboratory Animal Science.
DMP 770. Fundamental Concepts in Emerging Pathogenic Diseases.
DMP 775. Clinical Pathology.
DMP 777. Laboratory Diagnosis.
DMP 785. Diagnostic Medicine.
DMP 790. Introduction to Research in Laboratory Medicine.
DMP 801. Toxicology.
DMP 803. Advanced Toxicology.
DMP 805. Toxins in the Biological System.
DMP 806. Environmental Toxicology.
DMP 807. Current Topics in Toxicology.
DMP 809. Problems in Toxicology.
DMP 810. Diagnostic Methods in Feedlot Management.
DMP 811. Fundamentals of Feedlot Management.
DMP 820. Rumen Metabolism.
DMP 821. Advanced Clinical Pathology Laboratory.
DMP 830. Quantitative Analysis in Food Production Veterinary Medicine.
DMP 849. Pathologic Technique and Diagnosis.
DMP 851. Pathology of Body Fluids.
DMP 852. Histopathology.
DMP 853. Veterinary Exfoliative Cytology.
DMP 854. Veterinary Epidemiology.
DMP 856. Advanced Veterinary Parasitology.
DMP 859. Surgical Pathology.
DMP 860. Pathogenic Mechanisms.
DMP 861. Advanced Diagnostic Pathology.
DMP 863. Advanced Principles of Pathology.
DMP 865. Diagnostic Veterinary Virology.
DMP 866. Pathology of Diseases of Laboratory Animals, Fish and Wildlife.
DMP 867. Advanced Topics in Comparative Pathology.
DMP 870. Seminar in Pathology.
DMP 871. Molecular Diagnostics of Infectious Diseases.
DMP 877. Advanced Laboratory Diagnosis.
DMP 878. Applications of Flow Cytometry.
DMP 880. Problems in Pathology.
DMP 890. Veterinary Hematology.
DMP 898. MS Research in Microbiology.
DMP 899. MS Research in Pathology.
DMP 925. Rumen Microbiology.
DMP 935. Necropsy Diagnosis.
DMP 947. Advanced Systemic Pathology I.
DMP 950. Advanced Systemic Pathology II.
DMP 965. Cellular and Molecular Pathology.
DMP 970. Pathology Seminar.
DMP 980. Problems in Pathology.
DMP 997. Postdoctoral Research.
DMP 998. Research in Microbiology.
DMP 999. Research in Pathology.

ATTACHMENT 3
Proposed Changes to Academic Calendar Policy

Background

The Board of Regents requires that each Regents University have on file a 3-year Academic Calendar adhering to the minimum number of class days as well as state holidays. On October 14, 2003, Faculty Senate adopted a policy establishing an Academic Calendar Committee and a process by which the academic calendar would be developed and approved. At present the Board of Regents has approved the K-State Academic Calendar through Summer 2010.

Proposed Change

Item 8, a list of assumptions to be used by the Academic Calendar Committee and Faculty Senate, is to be added to the current Academic Calendar Policy.

Rationale

In adopting the policy regarding the Academic Calendar, members of Faculty Senate were adamant that faculty have significant input and final approval of the Academic Calendar sent forward to the Provost and then to the Board of Regents. Discussions on the floor of Faculty Senate last spring, as well as discussions within the committee appointed to develop the Academic Calendar, suggest that a considerable amount of time is often spent in discussing broad parameters that have, in fact, remained relatively stable over the past. Members of the Calendar Committee have proposed that the Academic Calendar policy include a list of these assumptions. Elements of the proposed calendars that conform to these assumptions would not require any extended discussion by either the Calendar Committee or Faculty Senate, allowing discussion to focus on those elements of the proposed calendar that may be new.

As part of the Academic Calendar Policy, these assumptions can be revisited periodically by members of the Academic Calendar Committee as well as by members of Faculty Senate.

University Calendar Committee
Policies and Procedures

Approved by Faculty Senate October 14, 2003

1. The University Calendar Committee shall consist of the University Registrar (non-voting) as chairperson, three representatives of Faculty Senate appointed by the Faculty Senate President, and two students appointed by the President of the Student Body.
2. The University Calendar Committee shall maintain effective communication with the university community throughout its deliberations to insure sufficient input into the consideration process.
4. The University Calendar Committee shall make recommendations to the Faculty Senate Executive Committee not later than February 15. Faculty Senate shall then consider such recommendations for approval.
5. The President of Faculty Senate shall forward the recommendations of the Faculty Senate to the Provost for approval, copied to the President of the Student Body and the University Registrar, not later than May 15.
6. The Provost shall then send the calendar to the Board of Regents for final approval, whereupon it shall be distributed to the university community in a timely fashion by the University Registrar.
7. This process is applicable for calendar year 2005-2006 and thereafter. The current set of calendars, approved and on file with the Kansas Board of Regents, was revised in June 2002 and extends through academic year 2006-2007. While the Board of Regents is open, at any time, to modifications of previously submitted calendars, standard practice is for each Regents' institution to submit a single set of calendar projections once every five years.
8. *The following are the general operating assumptions that will be used in developing the Academic Calendar:*
 - 1) *Fall semester begins in August on a Monday, 10 days following the last class day (i.e., a Friday) of the Summer Semester;*
 - 2) *Labor Day, the first Monday in September, is a University holiday;*
 - 3) *The first Monday in October is designated as Fall Break, and is a student holiday;*
 - 4) *The traditional Thanksgiving Day (i.e., the fourth Thursday in November) is a University holiday. The Wednesday immediately prior to Thanksgiving is a student holiday. The Friday immediately following Thanksgiving is a University holiday.*
 - 5) *The fall semester is 75 class days in length (to include 14 Mondays, 16 Tuesdays, 15 Wednesdays, 15 Thursdays, and 15 Fridays), and the last day of classes is a Friday;*
 - 6) *The fall semester commencement exercises are on the last class day, a Friday and the Saturday immediately following;*
 - 7) *There are five final exam days in the fall semester beginning on the Monday following the last class day (i.e., the Friday prior), and concluding on the following Friday of the same week;*
 - 8) *The fall semester ends prior to the traditional Christmas Day holiday and the spring semester begins in January on the Thursday immediately prior to the Martin Luther King, Jr. holiday, which is the third Monday in January;*
 - 9) *The Martin Luther King, Jr. holiday is the third Monday in January and is a University holiday;*
 - 10) *Spring break, a student holiday, is five week days, beginning on the third Monday in March and concluding on the following Friday of the same week;*
 - 11) *The spring semester is 76 class days in length (to include 14 Mondays, 15 Tuesdays, 15 Wednesdays, 16 Thursdays, and 16 Fridays), and the last day of classes is a Friday;*
 - 12) *There are five final exam days in the spring semester beginning on the Monday following the last class day (i.e., the Friday prior), and concluding on the following Friday of the same week;*
 - 13) *The spring semester commencement exercises are on the last day of the final exam period, a Friday and the Saturday immediately following; and*
 - 14) *The first day of the summer semester is either 10 or 11 days (contingent upon where the Memorial Day holiday [a university holiday] falls on the calendar) following the last day of final exams (a Friday) for the spring semester.*

ATTACHMENT 4
Schedule of Meetings
HLC-NCA Assessment Team Visit
February 21-22, 2005

February 21

Dr. Tom Conry

8:00 am	Nellis, Dyer, Verschelden, Marsh	Konza Room
9:30 am	Assessment Facilitators Committee	U204
10:30 am	Ron Trewyn, Vice Provost for Research	A108
	Carol Shanklin, Associate Dean, Graduate School	
	Ernie Minton, Chair, Graduate School CARC	
11:00 am	Open; Resource room	A116
11:30 am	Lunch (Table reserved in the Bluemont Room)	K-State Union
12:45 pm	Jackie Spears, Faculty Senate President	U204
	Tom Herald, Faculty Senate President Elect	
	Faculty Senate Academic Affairs Committee	
1:30 pm	Faculty: High enrollment degree programs	U202
2:30 pm	Open; Resource Room	A116
4:00 pm	Vicki Clegg, Director, Center for Advancement of Teaching and Learning University General Education Council	EH212

Dr. Barbara Steidle

8:00 am	Nellis, Dyer, Verschelden, Marsh	Konza Room
9:30 am	Assessment Facilitators Committee	U204
10:30 am	Arts & Sciences CARC	EH212
11:30 am	Lunch (Table reserved in the Bluemont Room)	K-State Union
12:45 pm	Jackie Spears, Faculty Senate President	U204
	Tom Herald, Faculty Senate President Elect	
	Faculty Senate Academic Affairs Committee	
1:30 pm	Faculty: High enrollment degree programs	U202
2:30 pm	Open; Resource Room	A116
4:00 pm	Vicki Clegg, Director, Center for Advancement of Teaching and Learning University General Education Council	EH212

Dr. Rosa Cintron

8:00 am	Nellis, Dyer, Verschelden, Marsh	Konza Room
9:30 am	Assessment Facilitators Committee	U204
10:30 am	Faculty: First-year experience classes	U204
11:30 am	Lunch (Table reserved in the Bluemont Room)	K-State Union
12:45 pm	Judith Lynch, Director, PILOTS Program	Holton 103
	Kathy Greene, Director, Education Support Services and McNair Scholars	
	Carla Jones, Senior Associate Dean, Student Life	
	Mary Tolar, Exec. Dir., Kansas Campus Compact Students	U203
1:30 pm	Myra Gordon, Associate Provost for Diversity	Holton 103
2:30 pm	Juanita McGowan, Assistant Dean, A&S Director, Tilford Group	
	Fred Newton, Director, Counseling Services	
3:15 pm	Open; Resource Room	A116
4:00 pm	Students	Hoyt Commons

February 22

Dr. Tom Conry

8:00 am	Open; Resource Room	A116
9:30 am	Faculty: High enrollment degree programs	U202
10:30 am	Open; Resource room	A116
11:30 am	Exit Interview: Wefald, Nellis, Dyer	A201

Dr. Barbara Steidle

8:00 am	Open; Resource Room	A116
9:30 am	Dept Chairs Outside A&S: Paul Burden, Elementary Education Dan Donelin, Landscape Architecture Marlon Johnston, Aviation (Salina) Brad Kramer, Industrial and Manufacturing Systems Engg. Bill Meredith, Family Studies and Human Services Brian Niehoff, Management Janice Swanson, Animal Sciences & Industry Don Von Bergen, Arts, Sciences, and Business (Salina)	U203
10:30 am	Open; Resource room	A116
11:30 am	Exit Interview: Wefald, Nellis, Dyer	A201

Dr. Rosa Cintron

8:00 am	Open; Resource Room	A116
9:30 am	Faculty: First-year Experience Classes	U204
10:30 am	Open; Resource room	A116
11:30 am	Exit Interview: Wefald, Nellis, Dyer	A201

Faculty participants from High Enrollment Programs:

Jim Goddard, Architectural Engineering & Construction Science
Kevin Gwinner, Marketing
Gerald Hanna, Counseling and Educational Psychology
Roger McHaney, Management
Troy Harding, Engineering Technology
Richard Harris, Psychology
Barney King, Aviation
Deb Meyer, Apparel, Textiles and Interior Design
Dan Moser, Animal Sciences and Industry
Dave Pacey, Mechanical and Nuclear Engineering
Candice Shoemaker, Horticulture, Forestry & Recreation
Resources
Susanne Siepl-Coates, Architecture
Steve Smethers, Journalism and Mass Communication
Carmel Parker White, Dean's Office, College of Human Ecology
Larry Williams, Biology

Faculty Participants from UGE Council:

Reg Pittman, Chair, UGE Council, Arts & Sciences
Jim Goddard, Architectural Engineering & Construction Science
Pat Pesci, Hotel, Restaurant, Institution Management & Dietetics
Marv Willyard, Grain Science & Industry
Mike Wilson, Engineering Technology

Faculty Participants from First-Year Experience**Classes:**

Andy Bennett, Math
LeAnn Brazeal, Speech Communication
Steve Kiefer, Psychology
Kelly Liu, Geology
Phillip Marzulf, English
Beth Montelone, Biology
Deborah Murray, English
Yasmin Patell, Chemistry
Tracy Turner, Economics

Student Participants:

Kourtney Bettinger, Biology-General
Amanda Freeman, Economics
Wendy Hanzlik, Student Counseling/Personal Services
Cecilia Hernandez, Curriculum and Instruction
Karla Kepley, Dietetics
Bob Kula, Entomology
Paige Leitnaker, Psychology
Justin Raybern, Pre-Professional Secondary Education
Kristin Tanney, Agricultural Education
Hayley Urkevich, Finance (Student Body President)
Randy Ware, Student Counseling/Personal Services