

Minutes of the Graduate Council

April 3, 2001

As approved by the Graduate Council, May 1, 2001

Members present: A. Barkley, A. Bennett, A. Brightman, K. Brooks, K. Carpenter, A. Cochran, M. Collinson, L. Davis, J. Dees, L. Freeman, L. Glasgow, P. Gormely, K. Hughey, C. Lubbers, J. McCulloh, B. Montelone, D. Sachs (K. Brooks, proxy), C. Shanklin, G. Stewart, R. Trewyn, E. Vassol, D. Vruwink, K. Williams, N. Zhang

Members absent: G. Bailey, T. Bolton, S. Kiefer, E. Minton, B. Niehoff, C. Rice, K. Shultis, J. Staver, L. Thurston, M. White

Graduate School staff present: J. Barnhart, J. Guikema, B. McGaughey

The meeting was called to order by Dean Ron Trewyn at 3:34 p.m. in Room 213, Student Union.

1. Opening Remarks.

Dean Trewyn announced Carol Shanklin as the Assistant Dean of the Graduate School.

A graduate certificate program in biopolymers is in final negotiation as part of a DOE bioprocessing education grant. John Schlup in Chemical Engineering will lead the interdisciplinary program.

2. **Minutes.** The minutes of the March 6, 2001, meeting were approved as read.

3. Graduate School Actions and Announcements

a. Appointments for Graduate Faculty Membership

Name	Department/Program
James S. Jones	Architecture
Marina Pecar	Architecture
Dragoslav Simic	Architecture
Raymond Streeter	Architecture

4. Academic Affairs Committee

1. Graduate Faculty nominations:

It was moved and seconded that the following faculty members be approved for Membership and Certification to direct doctoral students. The motion passed.

1. for MEMBERSHIP ONLY

Name	Department/Program
Christina Khoo	Human Nutrition
Jesus Velazco	Animal Sciences and Industry

2. **for MEMBERSHIP AND CERTIFICATION**

Name	Department/Program
Jerry R. Roberson	Clinical Sciences

3. **for CERTIFICATION ONLY**

Name	Department/Program
C. Michael Smith	Entomology
Doris J. Wright	Counseling and Educational Psychology

2. **Course and curriculum changes:**

It was moved and seconded to approve courses proposed for graduate credit or course changes. Motion passed.

1. **CHANGE**

Current Course Description	Proposed Course Description
<p>AGRON 605. Soil and Environmental Chemistry. (3) <u>I</u>. A study of inorganic and organic chemistry of soils with a detailed examination of the solid, liquid, and gaseous phases. Includes discussions of mineral solubility, electrochemical and adsorption phenomena, acidity, salinity, and fertility. Emphasis is placed on the biogeochemical cycling of plant nutrients and important soil contaminants. Three hours of recitation a week. Pr.: AGRON 375 or 305 and CHM 230.</p>	<p>AGRON 605. Soil and Environmental Chemistry. (3) <u>II</u>. A study of inorganic and organic chemistry of soils with a detailed examination of the solid, liquid, and gaseous phases. Includes discussions of mineral solubility, electrochemical and adsorption phenomena, acidity, salinity, and fertility. Emphasis is placed on the biogeochemical cycling of plant nutrients and important soil contaminants. Three hours of recitation a week. Pr.: AGRON 375 or 305 and CHM 230.</p>
<p>AGRON 505. Biotechnology. (3) <u>II</u>. The use of biotechnology and molecular genetic approaches in plant and animal sciences. Emphasis is on the use of molecular techniques for plant and animal improvement. Three hours lectures per week. Pr.: BIOL 198. Cross-referenced as PLPTH 505.</p>	<p><u>AGRON 610. Biotechnology.</u> (3). <u>II</u>. The use of biotechnology and molecular genetic approaches in plant and animal sciences. Emphasis is on the use of molecular techniques for plant and animal improvement. Three hours lectures per week. Pr.: <u>ASI 500</u>. Cross-referenced as <u>PLPTH 610</u></p>

<p>AGRON 893. Agricultural Simulation Modeling. (4) I, in odd years. Techniques for developing and testing computer simulation models for research, management, and design applications in agriculture. Three lectures and one three-hour work session per week. Pr.: MATH 211, STAT 705, and AGRON 455 or equivalent.</p>	<p>AGRON 893. Agricultural Simulation Modeling. (4) I, <u>in even years.</u> Techniques for developing and testing computer simulation models for research, management, and design applications in agriculture. Three lectures and one three-hour work session per week. Pr.: MATH 211, STAT 705, and AGRON 455 or equivalent.</p>
<p>ARCH 720. Environment and Behavior. (3) I, II. An introductory course investigating the relationship between human behavior and the design of the physical environment, identifying those basic psychological and social concepts which influence and are influenced by the built environment.</p>	<p>ARCH 720. Environment and Behavior. (3) I, II. <u>Investigates the relationship between human behavior and design of the physical environment. Includes identification of psychological, social, cultural concepts which influence and are influenced by the built environment. Emphasizes applying this knowledge in design.</u> Three hour seminar per week. Pr. ARCH 325 or equivalent or permission of instructor.</p>
<p>AT 650. Apparel and Textiles Study Tour. (1-2) I, II, S. Supervised off-campus tour of facilities or equivalent experience where textile products are designed, manufactured, tested, marketed, exhibited, and/or conserved. Pr.: AT 265 and AT 266 and 6 hours in clothing and textiles.</p>	<p>AT 650. Apparel and Textiles Study Tour. (1-3) I, II, S. Supervised off-campus tour of facilities or equivalent experience where textile products are designed, manufactured, tested, marketed, exhibited, and/or conserved. Pr.: AT 265 and AT 266 and 6 hours in <u>apparel</u> and textiles.</p>
<p>AT 660. Apparel Design and Production IV. (4) II. Creation and analysis of apparel for different manufacturing categories; study and application of computer-aided design to apparel production; advanced pattern development; advanced apparel grading. Two hours lec. and six hours lab a week. Pr.: AT 610; AT 400.</p>	<p>AT 670. Apparel Design and Production V. (3) II. <u>Advanced pattern theory and development; computer application of flat pattern and drafting to original design development; development of original designs, including jackets and pants.</u> Two hours lecture and four hours lab a week. Pr.: AT <u>655.</u></p>

<p>AT 690. Apparel Design and Production V. (4) I. Creation and analysis of apparel for different manufacturing categories; portfolio development; job search strategies. Two hours lec. and six hours lab a week. Pr.: AT 660.</p>	<p>AT 695. Apparel Design and Production VI. (3) I. <u>Apparel production development by draping to achieve original designs; pattern grading and marker techniques; line development for a variety of markets; portfolio and resume evaluation.</u> Two hours lec. and <u>four hours lab</u> a week. Pr.: <u>AT 300, AT 655.</u></p>
<p>GENAG 630. Food Science Problems. (1-3) I, II, S. Research or related work with others, or a literature search. Written reports are required. Any field of food science for which the student has adequate background. Pr.: ASI 302 and junior standing.</p>	<p>GENAG 630. Food Science Problems. (Var.) I, II, S. Research or related work with others, or a literature search. Written reports are required. Any field of food science for which the student has adequate background. Pr.: ASI 302 and junior standing.</p>
<p>HN 500. Public Health Nutrition. (3) I. Public health nutrition issues for various segments of the population; nutritional components of community assessment; program planning and evaluation; and policy issues pertaining to the nutritional status of the population. Pr.: HN 450.</p>	<p>HN 600. Public Health Nutrition. (3) I. Public health nutrition issues for various segments of the population; nutritional components of community assessment; program planning and evaluation; and policy issues pertaining to the nutritional status of the population. Pr.: HN 450.</p>
<p>HN 550. Nutrient Metabolism. (4) I. Basic concepts of the mechanisms of actions, interactions, and the processes of cellular assimilation and utilization of nutrients in humans. Emphasis on the coordinated control of nutrient utilization among the major organs. Pr.: HN 400; BIOL 240; and BIOCH 521.</p>	<p>HN 620. Nutrient Metabolism. (4) I. Basic concepts of the mechanisms of actions, interactions, and the processes of cellular assimilation and utilization of nutrients in humans. Emphasis on the coordinated control of nutrient utilization among the major organs. Pr.: HN 400; BIOL 340; and BIOCH 521.</p>
<p>HN 650. Practicum in Human Nutrition. (Var.) I, II, S. Supervised professional field experience. Pr.:</p>	<p>HN 650. Practicum in Human Nutrition. (Var.) I, II, S. Supervised professional field experience. Pr.:</p>

HN 450 and 500 and consent of instructor.	HN 450 and HN 600 and consent of instructor. <u>May be taken more than once for a maximum of 6 hours.</u>
HN 812. Advanced Micronutrient Metabolism. (3) I. Nutritional roles and metabolism of vitamins and minerals. Functions, biological availability, hormonal regulation, requirements, deficiency and toxicity signs, and interrelations with other nutrients. Pr.: HN 810.	HN 812. Advanced Micronutrient Metabolism. (3) I, <u>in even years.</u> Nutritional roles and metabolism of vitamins and minerals. Functions, biological availability, hormonal regulation, requirements, deficiency and toxicity signs, and interrelations with other nutrients. Pr.: HN 810.
HN 821. Practicum in Sensory Analysis. (2-3) I, II, S. Individual experiences applying sensory testing. Four hours of lab per week for each hour of credit. Pr.: HN 741 or HN 731 and consent of instructor.	HN 832. Practicum in Sensory Analysis. (2-3) I, II, S. Individual experiences applying sensory testing. Four hours of lab per week for each hour of credit. <u>May be taken more than once for a maximum of 6 hours.</u> Pr.: HN 741 or HN 831 and consent of instructor.
PLPTH 505. Biotechnology. (3) II. The use of biotechnology and molecular genetic approaches in plant and animal sciences. Emphasis is on the use of molecular techniques for plant and animal improvement. Two hr. lecture per week. Pr.: BIOL 198. Cross-listed as AGRON 505 and ASI 505.	PLPTH 610. Biotechnology. (2) II. The use of biotechnology and molecular genetic approaches in plant and animal sciences. Emphasis is on the use of molecular techniques for plant and animal improvement. Two hr. lecture per week. Pr.: <u>ASI 500.</u> Cross-listed as AGRON <u>610.</u>

2. DROP

AGRON 807. Applied Geostatistics. (2) Spring Intersession, odd years. Analysis of spatially-correlated data. Univariate, bivariate, and spatial escription; global and point estimation; random function models; stationarity; intrinsic hypothesis; semivariogram; correlogram; ordinary and block kriging; cross validation; cross correlation and cokriging; experimental design. One hour lec. and one hour computer lab a day. Pr.: STAT 510 or STAT 703. Cross-listed with CE 807, STAT 807.

AT 630. History of Costume. (3) II. Interrelationship of costume and social, cultural, political, and economic environments from antiquity to present. Pr.: 3-6 hours in humanities.

AT 635. Issues and Ethics in Apparel and Textile Marketing. (2) II. Examination of the current issues and ethical concerns facing the apparel and textile industries. Emphasis on decision making, strategic planning, and integration of previous course work. Pr.: AT 230, MKTIB 400; AT 520 or concurrent enrollment.

AT 715. Advanced Apparel Design. (3) II. Application of pattern drafting, manipulation, and/or draping with emphasis on the development of patterns for original designs. Six hours lab a week. Pr.: AT 660, AT 610.

FSHS 709. Public Policy and Family Economic Well-Being. (3) I. Analysis of conceptual models for policy choices. Impact of socioeconomic and public policy factors on family economics well-being, including the special issues faced by financially disadvantaged and nontraditional households. Pr.: Nine hours in FSHS or other social sciences.

HN 705. Food Product Development. (3) II. Development of food products including concepts, feasibility, formulation, evaluation, and production. One hour lec. and six hours lab a week. Pr.: HN 701 and 790.

HN 750. Nutritional Aspects of Food Processing and Preparation. (2-3) I, in alternate years. Stability of nutrients during processing, storage, and preparation of foods from raw food to products for human consumption. Pr.: HN 501; HN 502; and BIOCH 200 or 521.

HN 981. Food Science Colloquium. (1) I. Discussion of investigations in food science. Attendance required of all graduate students in food science. Maximum of 2 hours may be applied toward an M.S. degree or 4 hours toward a Ph.D. degree.

3. **NEW**

ENGL 665. Advanced Creative Writing: Nonfiction. (3) I. Advanced writing of prose creative nonfiction. Repeatable once. Pr.: ENGL 465 or instructor permission.

HN 800. Nutrition Education and Communication. (3) II. Apply principles of communication and learning technologies to nutrition education research and practice. Pr.: HN 610, HRIMD 515, and a statistics course with a grade of C or better; or consent of instructor.

5. **Graduate Student Affairs Committee**

As the second reading, the committee made a motion to replace the current Graduate Student's rights and grievance procedures as described in Appendix A of the Graduate Handbook with the attached revision. Following discussion of the revisions and clarifications requested at the GC meeting in March, the motion to replace the grievance procedures in Appendix A was seconded. The motion passed.

The GC requested the Graduate Student Affairs committee address the need for an "ombudsperson" for graduate students.

6. Graduate School Committee on Planning

As the second reading for the Approval to Schedule Final Examination Form, the committee made a motion to replace "one week" with "two weeks" in the *Graduate Handbook*, Chapter 2, Section K.2 and Chapter 3, Section M. The motion was seconded; motion passed.

As a first reading, the committee proposed to delete "Final examinations for the master's degree should not be scheduled when the University is not in session, particularly in August" from Chapter 2, K.2. - first sentence, and to delete "It should not be scheduled during times when classes are not in session", Chapter 3, N, 4th paragraph, second sentence, from the *Graduate Handbook*. Following discussion, the proposal will be returned to committee for clarification.

7. Graduate Student Council Information

Judges are still needed for the Graduate Research Forum, April 13, from 12:30 - 4:30 p.m.

8. University Research and Scholarship

There were no items to present.

9. Other business

The Recruitment Workshop went well. A summary sheet will be sent to departments.

Setting Expectations in Graduate Education workshop will be held on April 16. Graduate students and faculty are encouraged to attend.

The Election Committee will meet following this meeting to finalize the ballot for Graduate Council elections.

Council was adjourned at 4:04 p.m.