



M E M O R A N D U M

TO: The Senate

FROM: Dr. Lois Pierce, Senate Chairperson *LP/pma*

DATE: October 29, 1996

The Senate is scheduled to meet at 3 p.m. on Tuesday, November 5, in 126 J. C. Penney. The agenda follows:

- I. Approve minutes from previous meeting (action item)
- II. Report from the Chairperson -- Dr. Lois Pierce
- III. Report from the Chancellor -- Chancellor Blanche Touhill
- IV. Report from the Faculty Council -- Dr. Herman Smith
- V. Report from the Intercampus Faculty Council -- Dr. Silvia Madeo
- VI. Report from the Student Government Association
- VII. Committee reports:
 - A. Executive Committee -- Dr. Lois Pierce
 - B. Budget and Planning -- Chancellor Blanche Touhill
 - C. Committee on Committees (election) -- Dr. W. Gary Bachman
 - D. Curriculum and Instruction (action items, see attached) -- Dr. Lawrence Friedman
 - E. Faculty Teaching and Service Awards -- Dr. Edward Andalaft
 - F. Physical Facilities and General Services -- Dr. Lawrence Barton
 - G. Research -- Dr. Kimberly Leonard
 - H. Video and Instructional Technology -- Dr. Fred Willman
- VIII. Other business
 - A. Report on changes to health care plan -- Dr. Susan Feigenbaum

REPORT FROM SENATE COMMITTEE ON CURRICULUM AND INSTRUCTION
OCTOBER 15, 1996

I. The Committee has approved the following course additions/eliminations/changes:

Interdisciplinary 150	add	"Special Topics in Women's Studies"	3 hours
Biology 323	add	"Tropical Resource Ecology"	3 hours
Biology 324	add	"Tropical Resource Ecology Field Studies"	2 hours
Biology 325	add	"Tropical Vertebrate Ecology"	3 hours
Biology 423	add	"Advanced Tropical Resource Ecology"	3 hours
Biology 424	add	"Advanced Tropical Resource Ecology Field Studies"	2 hours
Biology 425	add	"Advanced Tropical Vertebrate Ecology"	3 hours
Economics 301	add	"Quantitative Methods and Modeling in Economics, Business and the Social Sciences"	3 hours
Optometry 559	add	"Ophthalmic Lasers"	1 hour
Optometry 566	add	"Ocular Assessment"	1 hour
Biology 320	change title, description	"Introduction to Neuroscience"	3 hours
Biology 322	change title, prerequisite, description	"Laboratory Techniques in Neuroscience"	2 hours
Biology 350	change title, prerequisite, description	"Functional Ecology"	3 hours
Biology 352	change title	"Functional Ecology Laboratory"	2 hours
Biology 450	change title, prerequisite, description	"Advanced Functional Ecology"	3 hours

Biology 452	change title	"Advanced Functional Ecology Lab"	2 hours
CCJ 450	change title, description	"Criminal Justice Process and Policy"	3 hours
Economics 350	change title, prerequisite, description	"Mathematical Economics"	3 hours
History 440	change prerequisite, description	"United States History for the Secondary School Classroom"	3-6 hours
History 441	change prerequisite, description	"World History for the Secondary School Classroom"	3-6 hours
Psychology 407	change prerequisite	"Psychopharmacology"	3 hours
Gerontology 458	change hours, description	"Geriatric Optometry"	2 hours
Optometry 558	change hours, description	"Geriatric Optometry"	2 hours
Optometry 520	change hours, prerequisite, description	"Ophthalmic Optics"	4 hours
Optometry 530	change hours, prerequisite, description	"Ophthalmic Dispensing"	1 hour
Biology 302a	add	"Introduction to Cytotechnology"	3 hours
Biology 302b	add	"Female Genital Tract I"	4 hours
Biology 302c	add	"Female Genital Tract II"	3 hours
Biology 302d	add	"The Processing Laboratory"	2 hours
Biology 302e	add	"Respiratory and Oral Cytology"	3 hours
Biology 302f	add	"Body Fluid Cytology"	3 hours
Biology 302g	add	"Gastrointestinal and Genitourinary Cytology"	3 hours

Biology 302h	add	"Fine Needle Aspiration Cytology"	4 hours
Biology 302i	add	"Advanced Practices in Cytology"	12 hours
Biology 302j	add	"Leadership and Management CT"	4 hours
Biology 303a	add	"Fundamentals in Clinical Laboratory Science"	4 hours
Biology 303b	add	"Clinical Bacteriology"	3 hours
Biology 303c	add	"Bacteriology Practicum"	4 hours
Biology 303d	add	"Mycology"	2 hours
Biology 303e	add	"Clinical Immunology"	2 hours
Biology 303f	add	"Immunology Practicum"	1 hour
Biology 303g	add	"Immunoematology"	3 hours
Biology 303h	add	"Immunoematology Practicum"	3 hours
Biology 303i	add	"Hematology"	3 hours
Biology 303j	add	"Hematology Practicum"	3 hours
Biology 303k	add	"Clinical Chemistry"	4 hours
Biology 303l	add	"Chemistry Practicum"	4 hours
Biology 303m	add	"Parasitology CLS"	2 hours
Biology 303n	add	"Leadership and Management CLS"	4 hours
Biology 309a	drop	"Introduction to Cytology"	5 hours
Biology 309b	drop	"Neoplasia in the Female Genital Tract I"	5 hours
Biology 309c	drop	"Neoplasia in the Female Genital Tract II"	6 hours
Biology 309d	drop	"The Processing Laboratory"	3 hours

Biology 309e	drop	"Respiratory and Oral Cytology"	3 hours
Biology 309f	drop	"Effusion, CSF, and Miscellaneous Cytology"	3 hours
Biology 309g	drop	"GI, Breast, GU, and FAN Cytology"	6 hours
Biology 309h	drop	"Scientific Methods and Literature in Cytology"	1 hour
Biology 309i	drop	"Advance Practices in Cytology"	3 hours
Biology 312a	drop	"Hematology and Coagulation"	7 hours
Biology 312b	drop	"Transfusion Services Immunohematology"	7 hours
Biology 312c	drop	"Clinical Microbiology and Serology"	11 hours
Biology 312d	drop	"Clinical Biochemistry"	11 hours
Biology 312e	drop	"Special Topics"	0 hours
Biology 393	add	"Research Methods in the Health Sciences"	3 hours

- II. The Committee recommends approval of the proposed academic calendar for 1998-99 (see attached).

OCTOBER 25, 1996

- III. The Committee recommends approval for a proposed new degree program, the Ph.D. in Education (see summary attached). Copies of the full proposal are on reserve at both the Thomas Jefferson and Education libraries.

UNIVERSITY OF MISSOURI-ST. LOUIS
PROPOSED
ACADEMIC CALENDAR FOR 1998-99

1998

August 24
September 5
September 8
November 24
November 30
December 9
December 10,11
December 14
December 22

FIRST SEMESTER

Monday, classes begin 8 a.m.
Saturday, Labor Day holiday begins 3 p.m.
Tuesday, classes resume 8 a.m.
Tuesday, Thanksgiving holiday begins 11 p.m.
Monday, classes resume 8 a.m.
Wednesday, classes end 11 p.m.
Thursday/Friday, intensive study days*
Monday, final examinations begin
Tuesday, first semester closes end of day

1999

January 10

Sunday, mid-year commencement

SECOND SEMESTER

January 11
January 18
February 27
March 8
May 3
May 4,5
May 6
May 13
May 16

Monday, classes begin 8 a.m.
Monday, Dr. Martin Luther King holiday
Saturday, spring (mid-semester) recess begins 3 p.m.
Monday, classes resume 8 a.m.
Monday, classes end 11 p.m.
Tuesday/Wednesday, intensive study days*
Thursday, final examinations begin
Thursday, second semester closes end of day
Sunday, annual commencement

*intensive study days -- no classes held, no exams scheduled

SUMMER SESSION

May Intersession (4 weeks)

May 17 Monday, classes begin 8 a.m.
May 31 Monday, Memorial Day holiday
June 11 Friday, session closes end of day

Eight-Week Session

June 14 Monday, classes begin 8 a.m.
July 5 Monday, Independence Day holiday
August 4,5 Wednesday/Thursday, final examinations
August 5 Thursday, session closes end of day
August 8 Sunday, summer commencement

February 6, 1996

Common Academic Calendar

On Feb. 1, 1996, the IFC adopted the following set of principles to generate future academic calendars. These principles are:

1. There will be a common first day of class for the Fall and Winter semesters. The first day of class for the Fall semester will be Monday of the fourth full week in August, and the first day of class for the Winter semester will be Monday of the second full week in January, unless this day is Martin Luther King Day, then classes will begin on Tuesday.
2. There will be common breaks during the Fall and Winter semesters. There will be a common Thanksgiving break, which includes the Wednesday before Thanksgiving through the weekend following Thanksgiving. There will be a common Spring break beginning in March, which will be decided for each calendar.
3. The total number of class days will be between 74-76 days, with on the average, 45 M/W/F and 30 T/Th classes.
4. Reading and finals periods will be set by the individual campus. Every effort will be made to make the last day of class as close as possible for the four campuses.

1998

JANUARY							FEBRUARY							MARCH							APRIL						
WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S
1				1	2	3 4	5					1	9					1	14			1	2	3	4 5		
2	5	6	7	8	9	10 11	6	2	3	4	5	6	7 8	10	2	3	4	5	6	7 8	15	6	7	8	9	10	11 12
3	12	13	14	15	16	17 18	7	9	10	11	12	13	14 15	11	9	10	11	12	13	14 15	16	13	14	15	16	17	18 19
4	19	20	21	22	23	24 25	8	16	17	18	19	20	21 22	12	16	17	18	19	20	21 22	17	20	21	22	23	24	25 26
5	26	27	28	29	30	31	9	23	24	25	26	27	28	13	23	24	25	26	27	28 29	18	27	28	29	30		
													14	30	31												

MAY							JUNE							JULY							AUGUST						
WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S
18					1	2 3	23	1	2	3	4	5	6 7	27			1	2	3	4 5	31					1	2
19	4	5	6	7	8	9 10	24	8	9	10	11	12	13 14	28	6	7	8	9	10	11 12	32	3	4	5	6	7	8 9
20	11	12	13	14	15	16 17	25	15	16	17	18	19	20 21	29	13	14	15	16	17	18 19	33	10	11	12	13	14	15 16
21	18	19	20	21	22	23 24	26	22	23	24	25	26	27 28	30	20	21	22	23	24	25 26	34	17	18	19	20	21	22 23
22	25	26	27	28	29	30 31	27	29	30					31	27	28	29	30	31		35	24	25	26	27	28	29 30
																			36	31							

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER								
WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S		
36			1	2	3	4	5 6	40				1	2	3 4	44						1	49			1	2	3	4	5 6
37	7	8	9	10	11	12 13	41	5	6	7	8	9	10 11	45	2	3	4	5	6	7 8	50	7	8	9	10	11	12 13		
38	14	15	16	17	18	19 20	42	12	13	14	15	16	17 18	46	9	10	11	12	13	14 15	51	14	15	16	17	18	19 20		
39	21	22	23	24	25	26 27	43	19	20	21	22	23	24 25	47	16	17	18	19	20	21 22	52	21	22	23	24	25	26 27		
40	28	29	30				44	26	27	28	29	30	31	48	23	24	25	26	27	28 29	53	28	29	30	31				
													49	30															

44 M,W,F classes
 30 T,Th classes
 74

1999

JANUARY							FEBRUARY							MARCH							APRIL						
WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S
53					1	2 3	5	1	2	3	4	5	6 7	9	1	2	3	4	5	6 7	13			1	2	3	4
1	4	5	6	7	8	9 10	6	8	9	10	11	12	13 14	10	8	9	10	11	12	13 14	14	5	6	7	8	9	10 11
2	11	12	13	14	15	16 17	7	15	16	17	18	19	20 21	11	15	16	17	18	19	20 21	15	12	13	14	15	16	17 18
3	18	19	20	21	22	23 24	8	22	23	24	25	26	27 28	12	22	23	24	25	26	27 28	16	19	20	21	22	23	24 25
4	25	26	27	28	29	30 31								13	29	30	31				17	26	27	28	29	30	

MAY							JUNE							JULY							AUGUST						
WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S
17					1	2 3	22	1	2	3	4	5	6 7	26			1	2	3	4	30					1	2
18	4	5	6	7	8	9 10	23	7	8	9	10	11	12 13	27	5	6	7	8	9	10 11	31	2	3	4	5	6	7 8
19	10	11	12	13	14	15 16	24	14	15	16	17	18	19 20	28	12	13	14	15	16	17 18	32	9	10	11	12	13	14 15
20	17	18	19	20	21	22 23	25	21	22	23	24	25	26 27	29	19	20	21	22	23	24 25	33	16	17	18	19	20	21 22
21	24	25	26	27	28	29 30	26	28	29	30				30	26	27	28	29	30	31	34	23	24	25	26	27	28 29
22	31																		35	30	31						

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	WK	M	T	W	T	F	S S	
35			1	2	3	4 5	39				1	2	3	43	1	2	3	4	5	6 7	47			1	2	3	4	5
36	6	7	8	9	10	11 12	40	4	5	6	7	8	9 10	44	8	9	10	11	12	13 14	48	6	7	8	9	10	11 12	
37	13	14	15	16	17	18 19	41	11	12	13	14	15	16 17	45	15	16	17	18	19	20 21	49	13	14	15	16	17	18 19	
38	20	21	22	23	24	25 26	42	18	19	20	21	22	23 24	46	22	23	24	25	26	27 28	50	20	21	22	23	24	25 26	
39	27	28	29	30			43	25	26	27	28	29	30 31	47	29	30					51	27	28	29	30	31		
																			52	27	28	29	30	31				

45 M,W,F classes
 30 T,Th classes
 75

SENATE PROPOSAL FORM FOR (check one): (X) NEW DEGREE PROGRAM
 () NEW MINOR
 () NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

T.L.

(Do Not Write In This Space)
 Initials/Date
 ROUTING:
 Academic Affairs RLT 10-24-96
 Graduate School
 (if applicable) JM 125x26
 Senate C&I JMA 110-25-96
 Senate _____
 Academic Affairs _____
 (effective date _____)

Page 1 of 2

N.A. Department Signed: Kathleen McHaywood 10/22/96
 Department Chair Date

Education School or College Signed: Kathleen McHaywood 10/22/96
 Dean Date

Doctor of Philosophy in Education
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? (X) no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:
Although the Doctor of Education degree is available to education graduate students at UM-St. Louis, some students prefer more emphasis on directed research and scholarly inquiry. There is a documented trend away from the Ed.D. and toward the Ph.D. at major research universities. This cooperative program with the School of Education at the University of Missouri-Kansas City (UMKC) allows students at UM-St. Louis to choose either a professionally oriented Ed.D. degree or a research-oriented Ph.D. degree, as will be the case at UMKC.

Program description for *Bulletin*:

Doctor of Philosophy Degree

The Ph.D. degree in education, offered in cooperation with the School of Education at the University of Missouri-Kansas City, is designed for educators who desire directed research experience promoting scholarly inquiry in education. Three emphases are available:

- Counseling and Educational Psychology
- Teaching-Learning Processes
- Metropolitan Leadership and Policy Analysis in Education

Admission and General Requirements

In addition to meeting the application and admissions requirements of the Graduate School, students must submit:

1. three letters of recommendation (at least two from individuals with earned doctorates)
2. an original essay
3. a professional resume
4. evidence of above-average academic records
5. GRE scores (a composite [verbal, quantitative, and analytical subtests] score of 1500 or better desired)

A favorable vote of an admission interview committee, composed of faculty in the emphasis area, is required. Admission is competitive.

Admission Application

In order to ensure time for review and decision, complete applications and accompanying materials must reach the Office of Admissions by September 15 for the Winter Semester and February 15 for the Summer or Fall Semester. In addition, applicants are urged to request transcripts and letters of recommendation at least two weeks before submitting their papers. Consideration of applications cannot be undertaken until all materials are available.

Degree Requirements (minimum 90 semester hours post-baccalaureate)

General Foundations, 9-12 hours from:

Philosophical, historical, psychological, sociological, anthropological, and comparative foundations of education, as well as curriculum, instruction, and supervision.

Research Methods, 15-18 hours:

Education Research and Evaluation Methods (ED REM) 431: Educational Research Methods I, and at least 12 hours from ED REM courses numbered above 431: six hours in quantitative methods and six hours in qualitative methods.

Foreign Language Proficiency or Other Research Tools, equivalent to 6 hours

Emphasis Area (Primary Discipline) Courses, 21-27 hours, with at least 16 in residence

Related (Secondary Discipline) Courses, 12-15 hours, in education or another department

Required Exit Course, 3 hours

Education 415 Common Doctoral Seminar: Research: Implementing Change in Educational Systems

Research Internship, 6-9 hours

Dissertation, 12 hours

Executive Summary

Proposal for a Doctor of Philosophy in Education Degree

by the University of Missouri-St. Louis School of Education
in cooperation with the University of Missouri-Kansas City School of Education

Mission and Need. The existing Doctor of Education program at UM-St. Louis meets the needs of many educators in the St. Louis metropolitan area. Yet, a documented trend among research universities in the U.S. is to offer a Doctor of Philosophy in Education. This trend reflects a need for educators who can engage in a line of scholarly inquiry to address the myriad of variables influencing educational settings in a rapidly changing, diverse, and technically sophisticated world. It is consistent with the mission of the University of Missouri-St. Louis to prepare educators at the doctoral level with the degree program best suited to their needs and career goals, either the existing, professionally oriented Ed.D. or the proposed, research-oriented Ph.D. In general, the Ed.D. is attractive to those preparing for leadership roles as school principals, superintendents, curriculum coordinators, etc., while the Ph.D. in Education is attractive to those preparing to join the professoriate, to join institutions supporting educational research, to join community college faculties, etc.

A complementary situation to St. Louis exists at the University of Missouri-Kansas City (UMKC). UMKC offers a Ph.D. degree, but no Ed.D. In August of 1996, the Academic Affairs Committee of the University of Missouri Board of Curators addressed the delivery of graduate programs in education from a statewide perspective and called for the development of a cooperative Ed.D. program at UMKC and a cooperative Ph.D. program in education at UM-St. Louis. It is important that there be access to both degree programs in the metropolitan areas of the state at an affordable cost because a large portion of Missourians reside in these areas, including a large portion of citizens representing minority groups.

Use of technology will permit these needs to be met with less duplication than previously possible. Consistent with the cooperative nature of these programs, faculty resources will be shared by means of interactive video course offerings and joint student committees. Not only will the use of technology facilitate students' completion of degree requirements, but those very experiences will better prepare students for their professional roles as educational leaders in the 21st century.

It is estimated that 15 students would enroll in the Ph.D. program on the St. Louis campus in the first year, 25 the second, 30 the third, 35 the fourth, and 40 the fifth, resulting in a total enrollment by Year 5 of 145. Of these, approximately one-third to one-fourth would be full-time students, the others part-time.

Duplication. The only other Ph.D. programs in education available in St. Louis are at high-cost, private universities, St. Louis University and Washington University. Washington University's program is small and limited to a few students.

Program. The number of credit hours required for the Ph.D. will be the same as the Ed.D., 90 hours past the Bachelor's degree. However, the Ph.D. program would require: (1) more research methods courses than the Ed.D., (2) foreign language proficiency or research tools, and (3) research internships that would involve students in the faculty research leading up to the student's own dissertation research. It is anticipated that the average full-time student would bring in 32 to 44 hours from their Master's degree

program, then spend approximately 2 years completing their course work, 2 years in research tool and research internship experiences, and 1 year in dissertation research.

Doctoral students will elect one of three emphasis areas (or primary disciplines):

- Metropolitan Leadership and Policy Analysis in Education
- Counseling and Educational Psychology
- Teaching-Learning Processes

In the Doctor of Philosophy program, a dissertation will be required that is original research, demonstrating a student's capacity for independent research and contributing to the development of theory, methodology, or practice in a student's emphasis area.

Admission Criteria. The proposed admission criteria are based on those for the Ph.D. at UMKC and include a combined raw score of at least 1500 on the three GRE scales, a graduate GPA of at least 3.0 (3.5 preferred), 3 letters of recommendation, and a favorable vote of an admissions interview committee.

Faculty Resources. Teleconferenced courses and seminars, and interactive video meetings of students' advisory committee and dissertation committee meetings will allow the combined Education faculties of UM-St. Louis and UMKC to meet most of the needs of these two cooperative degree programs. New moneys are being sought to bring 5 new faculty members to the St. Louis campus, either in areas where neither campus has a sufficient number of faculty members or to add additional faculty in areas of great interest to students. Three of the 5 would be at the associate level. One assistant professor is needed to teach more frequent offerings of research methods courses and to serve on dissertation committees. The present teaching load for all faculty members in the School of Education is 18 credit hours per academic year (fall and winter semesters). It is hoped that these additional faculty will allow reduced teaching loads for the senior faculty mentoring doctoral students.

Administration and Evaluation. The Ph.D. in Education would be administered just as the present Ed.D. is administered. In addition, a joint oversight committee will be established with the UMKC faculty and administration. This committee will be comprised of the Associate Deans and two faculty members from each campus. The oversight committee will coordinate important aspects of cooperation, such as the scheduling of teleconferenced courses. In any areas of disagreement, the Rules and Regulations of the Graduate School of the home campus will prevail.

Performance goals for this program include:

- Attracting highly qualified students
- Producing the first graduates of the program five years after admission
- Placing 75% of the graduates in professional positions within 2 years of graduation or in post-doctoral fellowships within 1 year of graduation
- Increasing the number of Education proposals for external funding by 10% per year beginning in Year 3
- Increasing the number of faculty and graduate student publications by 10% per year beginning in Year 3.

Evaluations of progress toward these goals will consist of:

- Reports on the number of students admitted, enrolled, and matriculated for goals one and two
- Reports on the professional positions obtained, starting two years after graduation of the first student, for goal three
- Reviews of the School of Education's annual report for goals four and five.