

FORT WAYNE SENATE AGENDA
MONDAY
OCTOBER 20, 2008
12:00 P.M., KT G46

1. Call to order
2. Approval of the minutes of September 8, 2008
3. Acceptance of the agenda – B. Abbott
4. Reports of the Speakers of the Faculties
 - a. Purdue University – N. Younis
 - b. Indiana University – M. Nusbaumer
5. Report of the Presiding Officer – S. Davis
6. Committee reports requiring action
Executive Committee (Senate Document SD 08-1) – B. Abbott
7. Question Time (Senate Reference No. 08-3)
8. New business
9. Committee reports “for information only”
Graduate Subcommittee (Senate Reference No. 08-4) – J. Garrison
10. The general good and welfare of the University
11. Adjournment*

*The meeting will adjourn or recess by 1:15 p.m.

Approving
B. Abbott
S. Davis
J. Grant
M. Nusbaumer
A. Ushenko
N. Younis

Absent
K. Pollock

Attachments:

“Approval of replacement members of the Calendar, Library, and Professional Development
Subcommittees, Honors Program Council, and Faculty Affairs Committee” (SD 08-1)

“Question time: regarding Physical Plant reorganization” (SR No. 08-3)

“Proposal for the Reinstatement of the Master of Arts for Teachers in Mathematics” (SR No. 08-4)

MEMORANDUM

TO: Fort Wayne Senate

FROM: Bruce Abbott, Chair
Executive Committee

DATE: 29 September 2008

SUBJ: Approval of replacement members of the Calendar, Library, and Professional Development Subcommittees, Honors Program Council, and Faculty Affairs Committee

DISPOSITION: To the Presiding Officer for implementation

WHEREAS, The Bylaws of the Senate provide (5.1.2.) that "... Senate Committees ... shall have the power to fill Committee vacancies for the remainder of an academic year, subject to Senate approval at its next regular meeting"; and

WHEREAS, There is a vacancy on the Calendar Subcommittee; and

WHEREAS, The Calendar Subcommittee has appointed Stella Batagiannis as the replacement member for the remainder of the 2008-09 academic year; and

WHEREAS, There is a vacancy on the Library Subcommittee; and

WHEREAS, The Library Subcommittee has appointed Mary Cooper as the replacement member for the remainder of the 2008-09 academic year; and

WHEREAS, There are two vacancies on the Faculty Affairs Committee; and

WHEREAS, The Faculty Affairs Committee has appointed Judith Garrison and Karen Moustafa as the replacement members for the remainder of the 2008-09 academic year; and

WHEREAS, There are two vacancies on the Honors Program Council; and

WHEREAS, The Honors Program Council has appointed Prasad Bingi and Jeffrey Casazza as the replacement members for the remainder of the 2008-09 academic year; and

WHEREAS, There is a vacancy on the Professional Development Subcommittee; and

WHEREAS, The Professional Development Subcommittee has appointed Sarah Beckman as the replacement member for the remainder of the 2008-09 academic year;

BE IT RESOLVED, That the Senate approve these appointments.

Approving

B. Abbott
S. Davis
J. Grant
M. Nusbaumer
A. Ushenko
N. Younis

Not Approving

Absent

K. Pollock

Question Time

Over the past year the Physical Plant has been substantially reorganized and policies affecting faculty and the academic mission have been changed.

The University Resources Policy Committee (URPC), a committee of the Senate, is charged: "To be concerned with, but not limited to, consideration of such matters as planning and optimal utilization of the physical facilities of the University, including buildings, the library, scientific and other equipment, and educational aids; staff needs, utilization and planning; interdepartmental and interinstitutional cooperation for improved facilities and staff utilization; and nonacademic planning, including architecture, landscaping, parking, and traffic."

1. Should URPC be consulted about changes in physical plant policies affecting faculty and the academic mission?
2. In what ways over the past year has the URPC been asked to make substantive input about changes in physical plant policies affecting faculty and the academic mission?

Anne Argast
Geosciences

To: IPFW Senate
From: Judith Garrison, Graduate Subcommittee
Date: September 26, 2008
Re: Proposal for the Reinstatement of the Master of Arts for Teachers in Mathematics

Graduate Subcommittee supports the proposal for the reinstatement of the Master of Arts for Teachers in Mathematics, and finds that the proposal requires no Senate review.

Approving

S. Choi
A. De Venanzi
M. Dixon
L. Hite
J. Garrison
S. Sarratore
M. Yager
A. Nitza
L. Lykins
P. Bingi
Y. Zubovic

Not Approving

Absent

B. Fife
E. Thompson
J. Hrehov
C. Erickson
K. Willock



**VICE CHANCELLOR FOR ACADEMIC AFFAIRS
OFFICE OF GRADUATE STUDIES**

To: Phillip Pope, Associate Dean, Purdue University Graduate School

From: Steven T. Sarratore, Associate Vice Chancellor for Academic Programs and Director of Graduate Studies, IPFW

Re: Master of Arts for Teachers in Mathematics

Date: July 17, 2008 (Revised)

On behalf of the IPFW Department of Mathematical Sciences, I request that the Purdue University Graduate School reactivate the Master of Arts for Teachers in Mathematics. As per your request, I am providing information to support this request.

- Item 1: A detailed justification for offering the degree, the sustainability and expected outcomes of the program and the targeted audience.

This master's program is designed to support practicing teachers in their professional growth toward becoming master teachers. Its primary focus is on the development of pedagogical content knowledge and on the development of accepted research techniques in mathematics education. It is designed to support teachers' development of excellence in their own teaching and to help teachers advance and share their knowledge through teacher-action research.

We surveyed area teachers to determine if they would consider enrolling in the master's program as described—62.5% said yes. Teachers who responded favorably did so because they liked the concise time frame and they liked the blend of theory and practice. Two teachers responded asking if they could begin the program immediately. They recognize that teachers need both pedagogy and content in order to make good curricular decisions. Many of those who expressed no interest did so because they already have master's degrees. Some of those teachers indicated that they would still like to take some of the courses for license renewal.

To add anecdotal information to these statements, we have received several e-mails from area teachers asking when the degree will be offered. Several teachers are waiting to begin their master's level work, intending to enroll in this degree program.

You also asked about *sustainability*. The demand for secondary teachers is expected to grow by 7.5% by 2012 (Indiana Department of Workforce Development). The demand is even greater in the science, technology, engineering, and mathematics area, and continued increasing demand is predicted. This expanding demand clearly points toward the sustainability of the program.

Our *expected outcomes* are three-fold. First, we expect teachers will become master teachers of mathematics and that they will have completed all of the foundational skills necessary to apply to the National Board for Professional Teaching Standards for board certification as a teacher of mathematics (see <http://www.nbpts.org/>). Second, the program will apply to the Indiana Division of Educator Licensing and Development for the authority to certify mentors of beginning middle and secondary school mathematics teachers (<http://www.doe.state.in.us/dps/beginningteachers/mentors.html>). Third, we expect this master's degree will more than adequately prepare students for any doctoral program in mathematics education in this country.

- Item 2: Degree Requirements

All of the required course work already is offered on this campus, and we have appropriate qualified mathematics education graduate faculty in place.

IPFW Department of Mathematical Sciences Graduate Faculty

Akkari, Safwan

Beineke, Lowell W

Chauhan, Chand Kumori

Coffman, Adam N

Coroian, I. Dan

Deng, Yihao

Dragnev, Peter

Frederick, William G.

Hersberger, James R.

Legg, David A.

Mau, Sue Tinsley

Pan, Yifei

Pippert, Raymond E.

Redett, David,a.

Townsend, Douglas W.

Vandell, Robert C.

Walsh, Matthew,p.

Weakley, Cecilia A.

Weakley, William D

Zubovic, Yvonne M.

Graduate faculty in the IPFW School of Education are also fully qualified to support this program.

Students in the program will complete 33 hours of course work. The specific courses are outlined below.

Applicants will meet all of the admission requirements for the Purdue University Graduate School. In addition, applicants need to have completed their beginning teacher induction period (two years of teaching) and possess a five-year proficient practitioner's license. If an applicant's undergraduate transcript shows no abstract algebra or real

analysis coursework, the applicant will be required to successfully complete one of those two courses prior to admission to the program.

Item 3: Courses that are available for students pursuing the degree.

The plan of study for most students will include the following:

Core Mathematics (15 Credits)

MA575—*Graph Theory*—3 cr.

MA598—*Topics in Mathematics: Mathematics Education*—3 cr.

MA556—*Introduction to the Theory of Numbers*—3 cr.

MA560—*Fundamental Concepts of Geometry*—3 cr.

MA580—*History of Mathematics*—3 cr.

Mathematics Education (3 Credits)

MA598—*Topics in Mathematics: Mathematics Education*—3 cr.

Professional Education (15 Graduate Credits from IPFW School of Education)

EDUA M550—*Practicum: Junior High/Middle School*—3 cr.

EDUC H538—*Critical Thinking and Education*—3 cr.

EDUC P503—*Introduction to Research*—3 cr.

EDUC S590—*Research in Secondary Education*—3 cr.

One of the following (3 cr.):

EDUC N517—*Advanced Study in the Teaching of Secondary School Mathematics*

EDUC N518—*Advanced Methods in the Teaching of Middle/Junior High School Mathematics*