Members Present: Margaret E. Winters, Provost and Senior Vice President for Academic Affairs; Louis J. Romano, President, Academic Senate; Robert Ackerman; Poonam Arya; Ivan Avrutsky; Michael Barnes; Linda Beale; Paul Beavers; Abhijit Biswas; Frances Brockington; David Cinabro; Victoria Dallas; Donald DeGracia; Heather Dillaway; Cheryl Dove; Karen Feathers; Maria Ferreira; Jane Fitzgibbon; Moira Fracassa; Andrew Fribley; Judith Fry-McComish; Ewa Golebiowska; Ellen Holmes; renee hoogland; Michael Horn; Zhengqing Hu; Willane Krell; Kafi Kumasi; Lawrence Lemke; Stephen Lerner; Rodger MacArthur; Brian Madigan; Fayetta Martin; James Martin; Boris Mordukhovich; Bryan Morrow; James Moseley; Patrick Mueller; Joshua Neds-Fox; Victoria Pardo; Charles Parrish; Philip Pellett; Alexey Petrov; Robert Reynolds; Marsha Richmond; Michele Ronnick; Brad Roth; Linea Rydstedt; Heather Sandlin; Andrea Sankar; Naida Simon; William Slater; Richard Smith; Beena Sood; Ronald Thomas; Ellen Tisdale; Ricardo Villarosa; William Volz; Jeffrey Withey; James Woodyard; King-Hay Yang

Members Absent with Notice: Joseph Artiss; Nancy George; Jeffrey Grynaviski; Avril Genene Holt; David Kessel; Kypros Markou; Jason Mateika; Mary Sengstock; Thomas Simpson; Deborah Walker; Jianjun Wang

Members Absent: Jennifer Beebe-Dimmer; Randall Commissaris; Nabanita Datta; Maik Huttemann; Liza Lagman-Sperl; Richard Marback; Howard Matthew; Jeffrey Potoff; Elizabeth Puscheck; T. R. Reddy; Lobelia Samavati; Harley Tse; Tamra Watt; Derek Wildman

Others Present: Andrew Feig, Liberal Arts and Sciences; Alan Jacobson, Budget, Planning and Analysis; Tahrima Khanom, Academic Senate Office; Mathew Ouellett, Associate Provost and Director of the Office for Teaching and Learning; Angela Wisniewski, Academic Senate Office; Sandra Yee, Dean of the Library System

CALL TO ORDER: This regularly scheduled meeting of the Academic Senate was called to order by Provost Winters at 1:32 p.m. The meeting was held in the Bernath Auditorium in the Undergraduate Library.

I. UPDATE ON TEACHING DEVELOPMENT INITIATIVES

Mathew Ouellett, Associate Provost and Director of the Office for Teaching and Learning, Sandra Yee, the Dean of the Library System, and Andrew Feig, Associate Professor of Chemistry, reported to the Senate on two initiatives: improvements in classroom technology and the WSU-WIDER (Widening

Implementation and Demonstration of Evidence-Based Reforms) Program.

A. Classroom Upgrades

Mr. Ouellett noted that classroom technology on campus is a collaborative effort involving all units of the University working together to provide the best teaching environment for faculty and students. Technology is an expensive endeavor and funding is needed to stay current and to provide quality resources.

Ms. Yee said that the different collaborators work to raise the standard of the classrooms to allow faculty to create a more student-centered learning environment. The fourth floor of State Hall is a model of this type of environment. They also have focused on the general-purpose classrooms because they impact a large number of students and because of the multi-disciplinary nature of the faculty who use them. The classrooms on the fourth floor of State Hall were designed to promote interactive student-centered teaching and learning. Two important components are peer learning and universal instructional design. Our designs link Wayne State University with evidence-based national initiatives in classroom design. Additional upgrades to classrooms will be made this year. They will use feedback and assessments from those who are using the fourth floor State Hall classrooms. They want to make sure that they know what works and what doesn't work and how to proceed in classroom design.

Mr. Ouellett concluded this portion of the presentation. Dean Yee and he welcome feedback. If members of the faculty and academic staff see things that need to be improved, he asked that they contact him or Ms. Yee. They will seek student feedback about their experiences in using the classrooms. There will be formal opportunities for faculty input about future renovations. There will, Mr. Ouellett said, always be faculty involved in those processes.

B. Student-Centered Instruction at WSU: WSU-WIDER Program

Mr. Ouellett introduced Andrew Feig who is the principal investigator for a new National Science Foundation grant from the WIDER Program. Mr. Feig has had a long-standing interest in pedagogy and student-centered learning. He mentioned the professional activities in which he

has been involved related to this initiative and provided background about some of the national initiatives in which he has been involved. He is trying to bring those conversations to Wayne State.

Mr. Ouellett said that while the presentation would be cast in the context of the science, technology, engineering, and mathematics (STEM) disciplines, Mr. Feig and Mr. Ouellett are confident that the implications serve an interdisciplinary purpose. The program will begin in the context of the STEM disciplines; they quickly will roll this template out to all disciplines across campus.

Mr. Feig noted that there has been a series of calls over decades to alter the way subjects are taught. These have been directed particularly at science education, but they apply to education in general. The National Science Foundation has spent billions of dollars studying student learning but the research has not transferred to college classrooms. Contributing to the lack of adoption of the methods are issues of department and campus culture, issues of inertia and faculty habits, and the university award structure. However, the major problem appears to be the knowledge gap.

The aim of the grant is to implement a report called *Engaged to Excel,* a report of the President's Council of Advisors on Science and Technology (PCAST) that was published in 2012. The report has several priorities that align with Wayne State's priorities. We want to improve persistence in the STEM programs and improve graduation rates. We want to provide opportunities for diverse students, give all students the best possible education for their tuition dollars, and enhance economic opportunities for our graduates. *Engaged to Excel* has five recommendations. Wayne State is working primarily on Recommendation 1: Catalyze widespread adoption of evidence-based teaching. One member of the team is particularly interested in Recommendation 2: Replace traditional lab classes with discovery-based labs, and the Mathematics Department wants to fulfill Recommendation 3: Improve post-secondary mathematics education to close the "Math Gap."

Mr. Feig next addressed the barriers and challenges as well as potential opportunities for faculty and administrators in implementing the PCAST recommendations. There are issues with the reward structure that emphasizes research over teaching and a lack of knowledge

about evidence-based teaching and how to do it effectively. Students perceive STEM courses to be more difficult than other disciplines. Across all campuses in the country the GPA of STEM majors is 0.5 points lower compared with all other majors. Many two-year colleges do not have full programs in STEM disciplines.

In the paper *Four Categories of Change Strategies for Transforming Undergraduate Instruction,* Charles Henderson, Andrea Beach, and Noah Finkelstein identified the input needed to build changes in the academic culture. They wrote that to build changes in the academic culture you need input simultaneously from four quadrants from a graph that has individual faculty members to campus environment on the vertical axis and prescribed/dictated top-down activities to bottom-up or emergent activities on the horizontal axis. They are trying to use these four influences to lead to four changes: developing effective curricula and pedagogy, developing teachers who care about effectively implementing these teaching methods, developing a shared vision, and developing policies that support these kinds of initiatives.

Mr. Ouellett said that although the grant is located in a particular part of the University, for it to be successful, it will require the attention of the Academic Senate and the participation of everyone. He asked the faculty to think how these threads might have applications within their own teaching and learning environments.

Mr. Ouellett said that many of the types of active instruction that enhance learning are already in place on campus. Mr. Feig and Mr. Ouellett want the strategies to be more readily available to more instructors and that they be a more ubiquitous experience for undergraduates. A number of colleagues nationwide have done a great deal of empirical research on the efficacy of these methods. Wayne State can build on the work they have done.

Mr. Feig said that the NSF implemented the WIDER Program to participate in the implementation of the Engage to Excel recommendations. The programmatic goals are (1) improve student learning through implementation of these methods and insure that they are implemented effectively; (2) Increase the population of STEM majors in college, especially in underrepresented groups; and (3) Improve the retention rate. Between the first semester and the second semester 50% of all STEM majors

leave the program and another 50% leave between the second and third semesters.

The WSU-WIDER Team members are Karen Myhr, Biology, Robert Bruner, Mathematics, Peter Hoffmann, Physics, Asli Koca, Education, Mr. Ouellett, and Mr. Feig. Two external evaluators who are experts in both active learning and faculty development are involved in the program: Brian Coppola from Chemistry at the University of Michigan and Diane Ebert-May from Biology at Michigan State University. The team will assess current classroom practices of STEM. They will offer professional development exercises to help instructors achieve effective implementation. They will monitor and measure progress through longitudinal tracking of student success and implementation of evidence-based pedagogies. They will prepare a final report on the opportunities and challenges for broad implementation of evidence-based teaching methods (EBTMs) across the STEM disciplines.

Local leadership, participation in the national dialogue about disciplinary initiatives, faculty involvement, and a culture of shared respons-ibility for student success are necessary for this program to be successful. Mr. Feig asked that the faculty in the STEM disciplines complete the survey that was sent out recently. He asked that they attend the workshops that will be conducted and encourage their colleagues to attend, also. He asked that the faculty support policy revisions that recognize innovative teaching and promote student learning and engage colleagues in discussions.

Mr. Ouellett introduced Sarah Kacin, the Assistant Director of the Office for Teaching and Learning. She is central to the WIDER Program.

Mr. MacArthur asked if the classrooms on the fourth floor of State Hall are being utilized. If the utilization has not been sufficient, what, he asked, are the barriers? Were the rooms open to use by faculty in the other Schools, such as Business, Law, and Medicine? Mr. Ouellett said that there are rooms available. If faculty want to use them in the winter semester, they should contact Dean Yee or Mr. Ouellett directly and they will find an appropriate room. Faculty have been positive in their feedback about the rooms. Anecdotal feedback from students has been 100% positive. Dean Yee said that any school or college may use the rooms. Faculty can schedule tours of the space and can view the rooms on the OTL website. The OTL is no longer asking for a formal proposal. Faculty

should just send an e-mail letting them know when and where they want to teach.

Mr. Reynolds noted that issues around STEM are important to the College of Engineering and he asked to be included as a participant in the grant project. Mr. Ouellett said that they want to involve Engineering because of the College's accreditation body they are already using this type of student-centered learning. The team could learn from the College and Mr. Ouellett expected that there would be some outcomes that would be of benefit to the Engineering faculty and students.

Mr. Petrov asked if the renovation of Manoogian Hall would accommodate large classes. Ms. Yee said that only the second floor of the building is slated for renovation. There is a possibility of making some of the classrooms larger but that would have to be coordinated with class scheduling to ensure that classrooms that are needed would not be taken off line. She will ask for input from all of the colleges that use the classrooms on the second floor.

Mr. Romano did not think the classroom design on the fourth floor of State Hall worked well for very large classes but he thought swivel chairs in the large rooms would allow students to work together in small groups. He asked if there were plans to change the seats in any of our large lecture halls. Ms. Yee said that it is the technology that is being upgraded in the large lecture rooms, but she will include his suggestion in future planning.

Mr. Woodyard asked if there were resources available for developing media. Some years ago he developed slides to use in teaching. He wanted to transform them into digital media. Ms. Yee referred him to the Teaching Commons (formerly called the Technology Resource Center) whose staff can assist him.

In responding to several more questions Mr. Ouellett said that the OTL would work with departments and individuals to develop better ways to assess student learning. There are no computers in the classrooms on the fourth floor of State Hall, but Al Bartlett, the Associate Director for Media Special Events and Classroom Design, explained how instructors could handle the situation.

Mr. Romano suggested that video displaying the new teaching methods be posted online for faculty to view. Mr. Feig has videos that

demonstrate effective and ineffective implement-tation of the exercises. Because the individual videos run an hour, they are trying to edit them to three to five minutes. With the permission of the instructors, some of the videos will be made available for viewing.

Asked about collecting performance data, Mr. Feig said that the WIDER grant requires an extensive assessment plan. Historical data mining on student success and student tracking through the curriculum will be done. They will look at the success of the students in the volunteer classes. The assessment will continue beyond the end of the grant.

Mr. Ouellett mentioned that the OTL developed a mid-semester assessment program. All instructors will have the opportunity to get mid-term feedback from students that is confidential for the instructor and anonymous for the students. The program provides a more formative immediate way to get feedback as the course is progressing. The program is voluntary; if instructors are interested, they have to contact the OTL. The data will be given only to the instructor. It will be the instructor's decision whether or not to make changes in the course. This program will benefit both faculty and students. The students can grow from being asked to think about what in the course is helping them learn. The instructor has time to adjust the course if he/she chooses and will not be surprised when the SET scores are returned.

Mr. Romano asked if the Student Service Fee, which is over $20 million was used to upgrade classroom technology. It is not, Dean Yee said. Mr. Romano thought this would be an appropriate use of the money.

II. CONFIRMATION OF THE PARLIAMENTARIAN

The Bylaws of the Academic Senate gives to the Policy Committee the responsibility of electing the Parliamentarian and submitting the choice to the full Senate for confirmation. Policy Committee elected Mary Sengstock to serve as parliamentarian. It was MOVED and SECONDED to CONFIRM Ms. Sengstock as the Parliamentarian for the 2013-2014 academic year. PASSED.

III. CONFIRMATION OF THE VICE CHAIR

The Bylaws gives to the Policy Committee the responsibility of electing the Vice Chair of the Senate and submitting the choice to the full Senate for

confirmation. The Vice Chair presides over the Policy Committee and the Senate in the absence of the Chair and performs the duties of the Senate President when he or she is unable to serve. The Policy Committee elected Rodger MacArthur to serve as the Vice Chair. It was MOVED and SECONDED to CONFIRM Mr. MacArthur as the Vice Chair for the 2013-2014 academic year. PASSED.

IV. APPROVAL OF THE PROCEEDINGS OF THE ACADEMIC SENATE

September 11, 2013

It was MOVED and SECONDED to APPROVE the Proceedings of the Academic Senate meeting of September 11, 2013. APPROVED.

V. REPORT FROM THE SENATE PRESIDENT

A. Report and Announcements

Mr. Romano announced that the Administration is forming the Clinical and Translational Science Review Committee to make recommendations on how best to organize this type of research. The Policy Committee believes it is best to organize clinical and translational science research at the University level rather than at the college level because the purpose of the research is to involve the basic science departments across campus with clinical departments, developing collaborations that will lead to better research. The Policy Com-mittee appointed three faculty to the Committee and the Administration will appoint representatives. In addition, President Wilson is hiring a consultant to work with the Committee and to help formulate a plan on how to best address this area of research.

President Wilson is forming a search committee for a new Vice President for Research. The Policy Committee submitted names of faculty to serve on that committee. The Graduate Council is electing the faculty who will serve on the search committee for the Dean of the Graduate School. The plans for the renovation of the Student Center Building are moving forward. Heather Dillaway from the Sociology Department is the faculty representative on the Student Center Renovation Steering Committee.

The committee deliberating about the construction of a new laboratory classroom building has made its recommendation, but funding is not available. The project will be on the list of priorities on the Capital Outlay Budget Request that the University submits to the State this year.

Mr. Romano mentioned that in President Wilson's address to the University community on October 2, he made a lot of good points that the Senate has been making over the years. He urged everyone to listen to the talk when it is posted online.

Linda Beale wrote a resolution honoring Michael McIntyre. Mr. Romano read it into the record. It will be sent to Mr. McIntyre's wife May Ping Soo Hoo.

Resolution Honoring Michael J. McIntyre
Academic Senate Meeting
October 2, 2013

WHEREAS Professor Michael J. McIntyre, affectionately known by all as Mike, passed away on August 14, 2013; and

WHEREAS Professor McIntyre demonstrated a deep commitment to his profession as an internationally recognized authority on federal income taxation with special interest in the intricate issues in international taxation, including teaching, writing, and consulting with the United Nations and a number of governments; and

WHEREAS Professor McIntyre showed an unstinting dedication to service and to bettering the lives of others, from serving as a Peace Corps volunteer teaching mathematics and building windmills in Bhopal, India to teaching and mentoring students and serving key roles on Wayne Law, Academic Senate and University committees and task forces during thirty-eight years as a professor at this University;

THEREFORE, BE IT RESOLVED THAT the Academic Senate hereby acknowledge our heavy debt to Professor McIntyre for his many contributions to the University and its people and express our sincere and heartfelt condolences to the McIntyre family and his many friends on campus and off.

B. Proceedings of the Policy Committee

The Academic Senate received the Proceedings of the Policy Committee meetings of August 19, 2013, September 9, 2013, and September 16, 2013 (Appendix A).

VI. MATTERS SUBMITTED BY THE POLICY COMMITTEE

A. Proposed Amendment to the Bylaws

Mr. Romano introduced the amendment. At times, he said, the Elections Committee has had difficulty getting the required five nominees to hold the member-at-large election. The Policy Committee recommended that Article IV, Section 3 of the Bylaws be amended to dispense with the rule if necessary. The amendment, as required by the Bylaws, was introduced at the September 11 meeting and action was deferred until this meeting.

Article IV, Section 3 now reads:

Section 3. Nominations
Nominations for members-at-large shall be made by petition signed by at least ten eligible voters representing two or more colleges, schools, or divisions of the University which are represented in the Academic Senate as prescribed in Article III, Section 2 above. No faculty member may sign more nominating petitions than there are offices to fill. The Elections Committee shall make additional nominations if necessary to bring the total up to five persons when the number to be elected is two, and twice the number to be elected when that number is more than two.

The proposed amendment adds the following sentence to the end of Section 3:

If the Elections Committee is unable to identify sufficient additional persons willing to run for election, the member-at-large election can be held with fewer than five persons.

It was MOVED and SECONDED to take the motion off the floor. The vote was taken. PASSED. The new language is below.

Section 3. Nominations
Nominations for members-at-large shall be made by petition signed by at least ten eligible voters representing two or more colleges, schools, or divisions of the University which are represented in the Academic Senate as prescribed in Article III, Section 2 above. No faculty member may sign more nominating petitions than there are offices to fill. The Elections Committee shall make additional nominations if necessary to bring the total up to five persons when the number to be elected is two, and twice the number to be elected when that number is more than two. If the Elections Committee is unable to identify

sufficient additional persons willing to run for election, the member-at-large election can be held with fewer than five persons.

Provost Winters is beginning searches for the Deans of Business Administration, the Graduate School, Law, and Nursing. She updated the Senate on the status of the searches.

The Graduate Council elected the faculty who will serve on the Graduate School's search committee because the School does not have its own faculty. The Provost will name two people to serve on the committee and a student will also serve. Provost Winters wants a good array of nominees. Although this is an internal search, if people want to nominate an outside candidate, they should contact the search committee. The Graduate School supports graduate education and works closely with the other Deans. One of the School's tasks is improving the retention of Masters students. The Dean, the Provost added, will be full-time.

Responding to comments about funding for the Graduate School, Mr. Romano said that the graduate tuition for the spring/summer term goes to the Office of the Vice President for Research, not to the Graduate School. Mr. Woodyard asked why this search was internal and not external. Provost Winters cited two reasons. One, the University has the talent to fill the position. The Dean will need a breadth of information about Wayne State because the School serves the entire campus. It is easier if the person filling the position is engaged already in graduate education at the University. Second, there are three other searches that will be conducted this year.

One of the themes of President Wilson's address to the University community was the central role of students to our existence. There are many places where we can do better in supporting students to graduation. The faculty have an important role in this endeavor. President Wilson is meeting with the Deans about more college, department, and faculty involvement in the recruitment and retention of students and getting them appropriately to graduation. The Provost hopes there will be more collaboration between advisors, enrollment management personnel, and faculty in working on these issues.

Earlier this week, the Provost sent a message to all faculty about the S.M.A.R.T. check. This is a system that will be used when a student asks to drop a class. When a student goes online to drop a class, he or she is informed that they must meet with an advisor and a financial aid officer (if receiving financial aid). The advisor and financial aid officer will review the student's record and inform him/her of the consequences of dropping the class. The student will be sent back to meet with the instructor. Only 1% of the requests to drop classes are denied by faculty. The purpose of the new procedure is to make the dropping of classes a more thoughtful process.

Ms. Simon was informed that when students go to the Student Service Center to drop a class, they are not always given the correct information. The employees at the Center are not professional advisors. The students should see a financial aid officer and their department advisor and, finally, the faculty member. She thinks you have to consider what is worse for the student, to drop a class or to not drop and get an F. Often students do not officially drop a class until the last minute.

Provost Winters said that students are not being told not to drop a class. They are being informed of the consequences and other steps they might take: supplemental instruction, tutoring, talking with the faculty member.

Ms. Ferreira noted that students often stop attending a course long before they file the official request to withdraw. By that time, it may be too late to catch up. If students don't attend class for a couple of weeks, there should be a way to flag that record.

Ms. Simon explained that the University has the Early Academic Assessment program for all courses that are 2999 and below. Any faculty member can post an academic alert through the system. If the faculty members gives the student an F, that should alert the student to a problem and the student should contact the instructor. Associate Provost Rankin sends an e-mail message about this system to all teaching faculty.

VIII.   NEW BUSINESS

There was no new business.

ADJOURNMENT: The meeting adjourned at 2:53 p.m.

Respectfully submitted,

Louis J. Romano
President, Academic Senate