1-1-2000

Faculty Senate Minutes 1999 - 2000

Missouri University of Science and Technology Faculty Senate

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Meeting Dates for 1999-2000

Rules, Procedure and Agenda Committee

September 2, 1999
October 7, 1999
November 4, 1999
January 11, 2000
February 3, 2000
April 6, 2000
June 1, 2000

Academic Council

September 16, 1999
October 21, 1999
November 18, 1999
January 20, 2000
February 17, 2000
April 20, 2000
June 15, 2000

General Faculty

August 31, 1999
December 7, 1999
May 3, 2000
ACADEMIC COUNCIL

To: UMR FACULTY

Academic Council Meeting
Thursday, September 16, 1999; 1:30 P.M.; 204 McNutt

I. Approval of minutes of the June 17, 1999 meeting

II. Reports and Responses
A. President's Report (5 min.) Dennis Perry
B. Election of Academic Council Officers
C. Chancellor's Report (10 min.) John Park
   (10 minutes for Questions and Answers)

III. Reports of Standing and Special Committees
A. Curricula (5 min.) Merrill Stevens
   1.*Report No. 1
B. Personnel (No report)
   1. Development of Web-based courses
C. Student Affairs
   1. Afternoon Class Scheduling (10-15-98)
   2. Potential Final Exam time conflicts
   3.*Constitution-Chinese Students & Scholars
   4.*Constitution-Shotokan Karate Club
D. Tenure (5 min.) X.B. Reed
   1. Student Input into Tenure

IV. Old Business
A. Action on Writing Across the Curriculum postponed April
B. Action Items*

V. New Business and Announcements
A. Staff Council
B. Student Council
C. Referrals

*Information distributed with agenda to Academic Council members
and department chairs.
Memo To: Academic Council  
From: UMR Campus Curricula Committee  
RE: August 30, 1999, Meeting  

For the information of the Academic Council, the following EC1's have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC1's:

EC1 1012, Geophysics 301, *Ground-Penetrating Radar*. Approved for WS2000. 2 hours lecture and 1 hour lab. Prerequisites: Math 22.

EC1 1013, Geophysics 401, *Earthquake Hazards Assessment*. Approved for WS2000. 2 hours lecture and 1 hour lab. Prerequisites: Geophysics 381, Math 325.

EC1 1019, History 301, *U.S. and the Cold War*. Approved for WS2000. 3 hours lecture. Prerequisites: Hist 175 or 176 or Pol Sc 90.

EC1 1020, History 301, *The City in Early Modern Europe*. Approved for WS2000. 3 hours lecture. Prerequisites: Hist 112.

EC1 1021, Electrical Engineering 301, *Smart Civil Engineering Structures*. Approved for WS2000. 2 hours lecture and 1 hour lab. Prerequisites: Senior standing and Bas Eng 110 and Bas Eng 140.

EC1 1022, Civil Engineering 301, *Applied Mechanics to Structural Engineering*. Approved for WS2000. 3 hours lecture. Prerequisite: Cv Eng 218.

EC1 1023, Philosophy & Liberal Arts, Latin 101, *Elementary Latin 2*. Approved for WS2000. 4 hours credit. Prerequisite: Latin I.

EC1 1024, Geology 301, *Granite and Rhyolites*. Approved for WS2000. 2 hours lecture and 1 hour lab. Prerequisite: Geology 130.

EC1 1025, Basic Engineering 201, *Engineering Design Methodology*. Approved for WS2000. 3 hours lecture. Prerequisites: Junior standing in engineering and at least 12 hours major field credit.

EC1 1026, Basic Engineering 301, *Introduction to Solar Car Design*. Approved for WS2000. 3 hours credit. Prerequisites: Bas En 50 or 140, Math 204 or 229.
EC1 1027, Ceramic Engineering 301, *Materials for Manufacturing*. Approved for WS2000. 3 hours credit. Prerequisites: Chem 3 or 5 (junior standing).

EC1 1028, Psychology 301, *Cognitive Neuroscience* Approved for WS2000. 3 hours lecture. Prerequisites: Psych 305 or 330.


EC1 1030, Geophysics 401, *Electrical and Electromagnetic Geophysics*. Approved for WS2000. 3 hours credit. Prerequisites: Math 325 and either Geophysics 285 or 382.

EC1 1031, Electrical & Computer Engineering 301, *Introduction to Power Quality*. Approved for WS2000. 3 hours credit. Prerequisites: El Eng 153 with a grade of “C” or better, and a passing grade on the El Eng Adv. Exam II.

EC1 1032, Electrical & Computer Engineering 301, *Advanced programmable Logic Controllers*. Approved for WS2000. 2 hours lecture and 1 hour lab. Prerequisites: El Eng 235.

EC1 1033, Biological Sciences 301, *Toxicology*. Approved for WS2000. 3 hours credit. Prerequisites: Bio Sc 211 and Chem 221.


EC1 1036, Education 301, *Current Issues in Education: Performance Based Assessment, Advanced*. Approved for WS2000. 3 hours credit. Prerequisites: Graduate Standing.

EC1 1037, Education 301, *Current Issues in Education: Performance Based Assessment, Beginning*. Approved for WS2000. 3 hours credit. Prerequisites: Graduate Standing.

The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1’s be approved.

Approved CC1’s:

CC1 4700, Engineering Management, Master of Science Degree in Systems Engineering. Removed from table. This new degree program has been approved with the addition of documentation from the Graduate Faculty approving a vote on these two recommendations which will be reflected in the next graduate catalog:

(1.) To complete a Master of Science degree, the comprehensive exam requirement may be waived.

(2.) Completion of a Master of Science degree now requires 30 hours instead of the previous 33 hours requirement.

A motion was made to approve the new degree program with the committee receiving documentation of the Graduate Faculty voting in favor of number (1) and (2) as stated above. It was second, voted on and passed by the committee.
CC1 4699, Metallurgical Engineering 403, *High Temperature and Corrosion Resistant Alloys.* Approved for WS2000. Change in credit hours from 2 hours “TO” 3 hours. Change in course title from, "High Temperature Metals and Alloys.” Change in catalog description to: Fabrication and use of nickel, titanium, and refractory metal based alloys for use at high temperatures or in chemically corrosive environments. Properties and strengthening mechanisms of these alloys. Theory of high temperature oxidation and corrosion and design of alloys to prevent them.

CC1 4704, Biological Sciences 328, *Nutritional and Medicinal Properties of Plants.* Approved new course for WS2000. 3 hours credit. Prerequisites: Bio Sc 110 and Bio Sc 242. Description reads: A survey of the biochemical and physiological functions of mineral elements, vitamins, and other organic compounds from plants necessary in human nutrition; and an overview of the medicinal derivatives of various plants, their effects and uses.

CC1 4705, Mathematics 221, *Teaching Math in Elementary and Middle Schools.* Approved new course for WS2000. 3 hours credit. Prerequisites: Educ 40 or Math 002 or 004. Description reads: The course presents an overview of how children learn mathematics, various techniques in teaching mathematics, and examples of applying these techniques to specific mathematical concepts (such as geometry, measurement, basic operations, statistics and probability, etc.) Co-listed with Educ 221.)

CC1 4706, Education 221, *Teaching Math in Elementary and Middle Schools.* Approved new course for WS2000. 3 hours credit. Prerequisites: Educ 40 or Math 002 or 004. Description reads: The course presents an overview of how children learn mathematics, various techniques in teaching mathematics, and examples of applying these techniques to specific mathematical concepts (such as geometry, measurement, basic operations, statistics and probability, etc. (Co-listed with Math 221.)

CC1 4713, Speech & Media Studies 250, *Interpersonal Communication.* Approved changes for WS2000. Change in course number from 150. Change in prerequisites from SP&MS 85 “TO” SP&MS 181. Change in description to: Explores the theoretical and practical dimensions of human communication in significant one-on-one relationships. Emphasis on theoretical approaches to identify and achieve particular outcomes desired in professional and personal interactions.


CC1 4718, Geological Engineering 000. Approved Change in curriculum for FS1999.
CC1 4719, Mining Engineering 311, *Mine Plant Management*. Approved new course for WS2000. 2 hours credit. Prerequisite: Senior Standing. Description reads: Optimization of mine plant and equipment performance. Availability, utilization and reliability of equipment; matching equipment and plant to minesite specific conditions; maintenance planning, scheduling and control; parts and materials supply systems; mine information and management systems. Basics of mine automation and robotics.

CC1 4720, Aerospace Engineering 315, *Concurrent Engineering I*. Approved new course for WS2000. 3 hours credit. Prerequisites: Mc Eng 213 or Ae Eng 231, and Bas En 110. Description reads: Students will be introduced to the concurrent engineering approach to product development. They will learn to set up quantitative requirements and then use a quantitative rating process to identify the critical requirements relating to the desired product. The interaction between design, manufacturing, assembly, cost, and support ability will be covered. The students will form teams and practice the concurrent engineering process for simple products. (Co-listed with Mc Eng 315.)

CC1 4721, Mechanical Engineering 315, *Concurrent Engineering I*. Approved new course for WS2000. 3 hours credit. Prerequisites: Mc Eng 213 or Ae Eng 231, and Bas En 110.

CC1 4722, Psychology 000. Approved change in curriculum for FS1999.

CC1 4723, Psychology 000. Approved change in minor curriculum for FS1999.

CC1 4724, Chemical Engineering 362, *Pollution Prevention via Process Engineering*. Approved new course for WS2000. 3 hours credit. No prerequisite. Description reads: In the context of environmental process design each processing system is considered as an inter-connection of elementary units. Systematic process integration methods are then employed that capitalize on synergistic process interactions in order to arrive at environmentally benign process designs. The proposed course on Pollution Prevention via Process Engineering introduces paradigms such as: linear, nonlinear and integer optimization, mass/heat exchange networks, reactor and reaction networks that are instrumental in the analysis, synthesis and design of environmental systems. Pollution prevention case studies that employ the aforementioned concepts will be incorporated in the presentation.

CC1 4725, Chemistry 000. Approved curriculum change in the B.S. of Chemistry effective FS2000. Justification reads; Address need of the students for a basic understanding of statistics.

CC1 4726, Chemistry 000. Approved curriculum change in the B.S. of Chemistry, Biochemistry emphasis area, effective FS2000. Justification reads; Address need of the students for a basic understanding of statistics.

CC1 4727, Chemistry 000. Approved curriculum change in the B.S. of Chemistry, Premedicine emphasis area, effective FS2000. Justification reads; Address need of the students for a basic understanding of statistics.

CC1 4728, Chemistry 000. Approved curriculum change in the B.S. of Chemistry, Polymer & Coating Science emphasis area, effective FS2000. Justification reads; Address need of the students for a basic understanding of statistics.
CC1 4729, Philosophy & Liberal Arts, 350, *Environmental Ethics*. Approved new course for WS2000. 3 hours credit. Prerequisites: Any introductory (below 100) level philosophy course. Description reads; Study of the complex moral issues concerning our relationship to the environment and the ethical foundations of our environmental responsibilities. Discussion topics include: conservation, preservation, resource development, pollution, toxic substances, future generations, endangered species, regulation, zoning, takings, etc.

CC1 4730, Chemical Engineering 000. Approved curriculum change effective FS2000. Justification reads: To better explains the footnote which concerns technical elective requirements.

CC1 4731, Petroleum Engineering 333, *Well Logging II*. Approved deletion effective FS1999. Justification reads; Course not needed because material is being covered in *Well Logging I*.

CC1 4732, Education 354, *Psychology of the Exceptional Child*. Approved new course effective Fall 1999. 3 hours credit. Prerequisites: Psych 50. Description reads: An understanding of the abilities and disabilities of children classified as exceptional. The instructional organization utilized to meet the needs of the exceptional child in the classroom, the import of educational and psychological handicaps upon these children. Guest lectures and field trips.
THE CONSTITUTION OF THE CHINESE STUDENTS AND SCHOLARS ASSOCIATION AT UMR

(Passed in 1998)

I. The Name

Article 1: This organization shall be named "Chinese Students and Scholars Association at University of Missouri-Rolla", abbreviated as CSSA.

II. Aims and Objectives of the Organization

Article 2: CSSA is a completely independent and non profit organization mainly representing the Chinese students and scholars at UMR from the People's Republic of China. The purpose of CSSA is to serve as the representative of Chinese students and scholars at University of Missouri-Rolla, to safeguard and promote its members' interests, to seek to promote communication and cultural interaction between the different people in the local community, to make everyone here aware of the colorful, rich and diverse Chinese culture that we bring with us.

III. Membership

Article 3: All Chinese students and scholars at UMR and their spouses from the People's Republic of China are qualified to join CSSA. Students and scholars of Chinese origin from other places are also welcome.

Article 4: Any UMR student qualified to be a member of CSSA will become a regular member after his formal application and paying the annual membership fee.

Article 5: Associate membership shall be extended to those who have an interest in CSSA. An associate member shall pay associate membership dues. An associate member shall have the right to speak but not to vote or hold office.

Article 6: A regular member will lose his membership in one of the following situations: 1, Graduation; 2, Permanent leaving; 3, Self termination; 4, serious misdemeanor against CSSA.

Article 7: CSSA accepts communicating members, the communicating members have no rights to vote or to stand for election.

IV. Officers

Article 8: The board of officers is composed of four members: one president, one vice president, one treasurer and one secretary. Among them at least one should be a female member.

Article 9: The officers shall be elected by CSSA at its business meeting during the beginning of each winter.
Constitution of the Shotokan Karate Club  (Effective January 1999)

I. Name, Insignia, and Affiliation

A. The name of the organization is the “UMR Shotokan Karate”.

B. The organization will be affiliated with the Shotokan Karate Association

II. Aims and Objectives of the Organization

A. The organization intends to bring the history and knowledge of the Japanese martial art of Shotokan karate to UMR.

   1. Additionally, the club will attempt to have a positive influence on both the campus and the community.

B. The purposes of the organization are to provide karateka (karate students) with instruction and practice in Shotokan karate, to improve their self-awareness and encourage a lifestyle modeled after the Dojo Kun, and to represent UMR in collegiate tournaments at the regional and national level.

III. Membership

A. Qualifications

   1. Any UMR student may be a member.

   2. In order to join, a person must notify Sensei of his/her intention. A person is officially a member upon attending a practice.

B. Class of Membership
ACADEMIC COUNCIL

ACTION ITEMS

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XXIX,1. The meeting was opened promptly at 1:30 P.M. by President Dennis Perry. There was a motion and a second to approve the minutes of the June 17, 1999 meeting as distributed. Motion carried. One substitution was noted-Ron Kohser for Dean Saperstein.

.1 REPORTS AND RESPONSES

A. PRESIDENT’S REPORT

1. President Perry asked Professor Don Myers to give a report from the last IFC Meeting. Professor Myers presented a brief report from this meeting.

B. ELECTION OF OFFICERS

1. Professor Lance Haynes presented the slate of officers for 1999-2000 as follows: President-Jerry Tien; President-Elect-Don Myers; Secretary-Ralph Wilkerson; and Parliamentarian-Len Koederitz. There were no further nominations. Professor Haynes moved to approve the slate. There was a second and motion carried.
2. Professor Perry read a brief statement about his term as president, after which he turned the meeting over to the new President, Jerry Tien.
3. Professor Tien stated that he hoped to increase not only participation, but also communication.

C. CHANCELLOR’S REPORT

1. Dr. Park mentioned that he had complaints concerning a feeling that he was blaming all problems on the faculty. He responded that he was not doing that, but that he couldn’t change the curriculum, and there were faculty issues to be addressed.
2. The Chancellor stated that he had received the final draft of the NCA report. He said UMR got the ten-year approval, but will have to make a report in two years on enrollment.
3. Dr. Park said the “snags” are about all worked out of the Electronic Data for Administrative Review. He said there were 273 unduplicated suggestions, with only thirteen on recruitment. There were four or five who said the Chancellor is micro-managing, but there were 100 or more who requested him to do things that are in essence micro-management.
QUESTIONS AND ANSWERS

1. Professor Don Myers asked the Chancellor to comment on the UM President’s Statement that the Strategic Plan is made up of the four campus plans. Dr. Park replied that UMR is going to be called upon to align the plan with the central one.

2. Professor Bruce Selberg asked if the rumors were true that all reallocations were taken by Academic Departments. Dr. Park responded that the majority were from Academic Departments in the form of not filling vacated positions. He said there is now the highest number of total faculty in the history of UMR.

3. There was a lengthy discussion on the reallocation situation and repairing curricula problems.

2 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Ken Robertson presented this report. He moved to approve the CCI’s as distributed.
   1. Professor Bruce Selberg moved to separate CCI 4700 from the rest of the report, and there was a second. Professor Selberg stated that he is opposed to what it would mean in terms of workloads and property rights. He also mentioned the proposal on Distance Learning and elaborated on it.
   2. Professor Don Myers spoke further to Professor Selberg’s comments, mentioning copyrights, teaching evaluations and workloads.
   3. Professor Lance Haynes pointed out that his subject was listed with the Action Items included with the agenda.
   4. Dr. Park stated some reasons he had not approved the video memo resolution and recommended not dividing the motion.
   5. After further discussion and comments, Professor Selberg asked that Dr. Park make a commitment to work with the Personnel Committee and the Academic Council on this, and have a policy ready by December. Dr. Park replied that he could have an interim policy ready within a month.
   6. After more discussion, Professor Selberg withdrew his motion to divide. There was then a second on the original motion. Vote was taken and motion carried.

B. STUDENT AFFAIRS-Mark Petrofka presented this report.
   1. The first issue addressed was Afternoon Class Scheduling. A handout had been distributed at the beginning of the meeting from the registrar’s office. Mr Petrofka stated that he was not yet familiar with this issue.
      a. There were comments and explanations from Lance Haynes, Laura Stoll and Cody May.
      b. There was a lengthy discussion, but no action was taken on this matter.
   2. Mr. Petrofka presented the Constitution of the Chinese Students’ Club for approval. After several objections on the wording of this constitution, it was “put on hold” for revision.
3. The Constitution for the Shotokan Karate Club was presented for approval. There was a motion and a second to approve. Motion carried.

C. TENURE COMMITTEE-Dr. Reed was not present, so there was no report from this committee, as had been listed in the agenda.

IV. OLD BUSINESS

A. The report from Writing or Communications Across the Curriculum was presented. Professor Jeff Cawlfield read the motion that was presented at the April. There was also a second at the April meeting. Action had been postponed from both the April and June meetings. After a brief discussion, a friendly amendment was proposed to eliminate the section concerning certification. There was a second to the motion to amend, and motion carried. Vote was then taken on the original motion to include the amendment. Motion carried (as attached).

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.*
Professor Cawlfied’s Motion as Amended and Approved

The following requirement will be formally incorporated into each UMR undergraduate curriculum and will become effective and will apply to the Fall 2000 entering freshman class and all subsequent catalog years. This requirement will be published in all appropriate UMR literature, including the UMR Undergraduate Catalog.

Each department will provide students with opportunities to enhance their writing and speaking skills (beyond the required English 20 class) by requiring that they complete at least two Communication Intensive courses, at least one of which should be in the student’s major. Communication Intensive (CI) courses may be focused on writing, speaking, or combinations thereof. Two Communications Emphasized (CE) courses may be used at the equivalent of one CI course (for example, four CE courses would substitute for two CI courses, but two of the CE courses must be in the student’s major as an appropriate substitute for the one CI course in the student’s major). These requirements should be formally tracked and monitored by the CAPS advising system to ensure that each graduating student is meeting the Communications component of the General Education requirement as stated in this motion.
ACADEMIC COUNCIL
UMR FACULTY

Academic Council Meeting
Thursday, October 21, 1999; 1:30 P.M.; 204 McNutt

I. Approval of minutes of the September 16, 1999 meeting

II. Reports and Responses

A. President’s Report (5 min.) Jerry Tien
B. Chancellor’s Report (10 min.) John Park

(10 minutes for Questions and Answers)

III. Reports of Standing and Special Committees

A. Curricula (5 min.) Ken Robertson
   1. Report No. 2

B. Personnel (5 min.) Don Myers
   1. Development of Web-based courses

C. R P & A (5 min.) Lance Haynes
   1. Elect representative to R P & A to replace Barbara Hale

D. Student Affairs (No report)
   1. Afternoon Class Scheduling (10-15-98)
   2. Potential Final Exam time conflicts

E. Tenure (10 min.) X.B. Reed
   1. Student Input into Tenure

IV. Old Business

A. Action Items*

V. New Business and Announcements

A. Staff Council
B. Student Council
C. Referrals

*Information distributed with agenda to Academic Council members and department chairs.
Memo To: Academic Council
From: UMR Campus Curricula Committee
Re: October 4, 1999, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC1's:

EC1 1039, Arts & Sciences 101, *UMR Pre-Freshman HGR*. 3 hours credit. No prerequisite. Approved for SS2000. The committee suggested that the abbreviation, "HGR", (*Hit the Ground Running*), be written in the contents of the course.


EC1 1043, Geology 301, *Silicic Magmatic Systems*. 2 hours lecture and one hour lab. Prerequisite: Geology 130. Approved for WS2000.

EC1 1049, Psychology 301, *Evolutionary Psychology*. 3 hours credit. Prerequisite: Psych 50 and Psych 140. Approved for WS2000. (See CC1 4741)
The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

**Approved CC1's:**

CC1 4738, Mining Engineering 409, *Mining Property Feasibility Studies and Evaluation Procedure*. Approved new course for Winter 2000. 2 hours lecture and 1 hour lab. Prerequisites: Mi Eng 270 or Geol 294 or Cv Eng 241 or Eng Mg 208 or Mi Eng 376 or Geop 382 or Ge Eng 335. Description reads: A systematic phased approach is presented, designed to increase the level of confidence and accuracy of estimates, moving from exploration through to a “bankable” study. Liability, ethics, resource/reserves, political/social/investment risk, economic parameters, and due diligence are discussed.

CC1 4740, Education 340, *Current Issues in Education: Performance Based Assessment, Intermediate*. Approved new course for Winter 2000. 3 hours credit. No prerequisites. Description reads: This course will provide participants with an understanding of performance-based assessments, how to construct performance tasks and how to construct scoring guides.

CC1 4742, Geological Engineering 351, *Geological Engineering Case Histories*. Approved for Winter 2000. Change of credit hours from 2 hours lecture and 1 hour lab “TO” 3 hours lecture. Change in description to: This course presents significant concepts in geological engineering practices by using examples from practical experience to illustrate the objectives. The examples will be drawn from classic case histories as well as the professional experience of the instructor.


CC1 4753, Engineering Management 376, *Introduction to Quality Engineering*. Approved new course for the WS2000. 3 hours credit. Prerequisite: Eng Mg 375. Description reads: This course is an introduction to the theory and practice of quality engineering with particular emphasis on the work of Genichi Taguchi. The application of the quality loss function, signal to noise ratio and orthogonal arrays is considered in-depth for generic technology development; system, product and tolerance design; and manufacturing process design. The emphasis of the course is off-line quality control. Other contributions in the field are also considered. (See EC1 1041)
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XXIX,2. The meeting was opened at 1:35 P.M. by President Jerry Tien. Substitutions noted were: Don Cronin for Bruce Selberg; Tim Meinert for Don Myers; Levant Acar for Kurt Kosbar; and Mark Fitch for Joel Burken. Roll Call was taken by the office secretary. Absences noted were: Charles Morris, James Stone, Martin Bohner, Tseggai Isaac, Paul Worsey; Shubhender Kapila, Gordon Carlson, K.M. Isaac, Susan Murray, Wayne Huebner, Mark Mullin, Dr. Ogrosky, and Dr. Gajda. After proving a quorum, there was a motion and a second to approve the minutes of the September 16, 1999 meeting as distributed. Motion carried.

I REPORTS AND RESPONSES

A. PRESIDENT'S REPORT

1. President Tien gave a brief report from the Board of Curators meeting. Using an overhead presentation, he gave facts and figures on students accepted and students actually enrolled in the UM System.

2. There was a question from the floor as to why there was a large drop in enrollment in 1999. Dr. Park stated that it was due to the type of students being admitted.

B. CHANCELLOR'S REPORT

1. Dr. Park mentioned the Exception List presented at the Board of Curators meeting. He said it was stated that there needs to be a return to a careful look at the number of degrees offered by each discipline. So far, no university has been forced to give up a degree based on this.

2. The Chancellor announced an upcoming open meeting on campus with President Pacheco on the UM System Strategic Plan. He said this will have an impact on UMR's plan.

3. Dr. Park referred to the Action Items list distributed with the Academic Council Agenda. He said he has responded to them today (October 21), and has a draft interim policy for the year on Video Instruction.

4. Dr. Park said the Administrative Reviews are now on the Web, and briefly explained the reason for the delay.

5. The Chancellor said the SAP is at the printers, and will be available shortly.

6. Dr. Park said Administrative Restructuring will be part of the UM System SAP, but no decisions have been made. He has contacted an alumnus to be a facilitator for the group discussing this. They are looking at a possible Vice Chancellor of Research or a similar position, and possibly a Chief Information Officer.
QUESTIONS AND ANSWERS

1. Professor Lance Haynes asked about the time frame for Administrative Review. Dr. Park said it should be about the same time as Faculty Activity Surveys—maybe March.
2. Professor Jay Gragg mentioned the legislative review on the number of degrees. He said he feels there is no added cost to offering more PHD’s. Dr. Park answered that there is an added cost to some departments, but he favors offering more, nonetheless.

2 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA—Professor Ken Robertson presented this report.
   1. He made a motion to approve the Experimental Courses as distributed. There was a second and motion carried.
   2. He then moved to approve the CC1’s. There was a second and motion carried.

B. PERSONNEL—In the absence of Professor Don Myers, Professor Kristine Swensen presented this report.
   1. Professor Swensen read a resolution from this committee on Web-based courses, which had been approved by Dr. Gajda. She then moved to approve it and there was a second.
   2. After several questions for clarification, there was a motion to table until a written record could be distributed. There was a second and motion carried.

C. RULES, PROCEDURE, AND AGENDA—Professor Lance Haynes presented this report.
   1. Due to Professor Barbara Hale asking to be replaced on this committee, R P & A nominated Professor Gary Mueller to fill the vacancy. Professor Haynes made a motion to approve this change. There was a second and motion carried.

D. STUDENT AFFAIRS
   1. There was a motion and a second to take off the table the motion on potential final exam conflict. There was a second and motion carried.
   2. Motion and second were withdrawn when it was explained that there is not yet a chair of this committee.
   3. Professor Insall then moved that the wording in the policy be changed so that prerequisite courses’ final exams would take precedence over later ones. There was a second.
   4. Dean Saperstein made a motion to postpone action on this matter to the next meeting, so that the original motion could be presented in writing.
E. TENURE-Professor X.B. Reed presented this report; however, he first allowed Cody May to distribute STUCO’s resolution on Student Input into Tenure.

1. Mr. May elaborated on their resolution, and there were some questions and comments.
2. Dr. Reed then distributed the report of the committee, stating that they are not in favor of the students’ resolution.
3. Professor Koederitz moved to accept the report of the Tenure Committee. There was a second, and motion carried, with one opposed.
4. There was a motion by Professor Lance Haynes to approve the draft response of the committee. There was then a second, followed by a motion by Professor Richard Hall to postpone action. There was a second, and motion carried, with four opposed.

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.
Academic Council Meeting
Thursday, November 18, 1999; 1:30 P.M.; 204 McNutt

I. Approval of minutes of the October 21, 1999 meeting

II. Reports and Responses

A. President’s Report (5 min.) Jerry Tien

B. Chancellor’s Report (10 min.) John Park
   (10 minutes for Questions and Answers)

III. Reports of Standing and Special Committees

A. Curricula (10 min.) Ken Robertson
   1.*Reports No. 3 & 4

B. Personnel (5 min.) Don Myers
   1. Development of Web-based courses

C. Public Occasions (5 min.) Jerry Bayless
   1.* Approval of calendar

D. R P & A (5 min.) Lance Haynes
   1. Elect representative to Curricula Committee to replace Howard Pyron

E. Student Affairs (5 min.) Mark Petrofka
   1. Afternoon class scheduling (10-15-98)
   2. Potential final exam time conflict
   3.*Constitutions for approval

F. Tenure (No report) X.B. Reed
   1. Student Input into Tenure

IV. Old Business

1.*Action Items
2.*Chancellor’s Response to Action Items
V. New Business and Announcements

A. *Proposed resolutions on Administrative Restructuring
B. Staff Council
C. Student Council
D. Referrals
   1. Professor Insall’s proposed amendment to Student Academic Regulations to Academic Affairs
   2. Chancellor’s draft on Video and Distance Learning to Personnel

*Information distributed with agenda to Academic Council members and department chairs.
Memo To: Academic Council  
From: UMR Campus Curricula Committee  
Re: November 1, 1999, Meeting

For the information of the Academic Council, the following EC1s have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC1s

EC1 1044, Geological Engineering 301, Aggregates & Quarrying. Approved for WS2000. 3 hours credit. No prerequisites. Added to the course description: Credit will not be given for both Ge Eng 301, Aggregates & Quarrying and Ge Eng 401, Aggregates & Quarrying.

EC1 1045, Geological Engineering 401, Aggregates & Quarrying. Approved for WS2000. 3 hours credit. No prerequisites. Added to the course description: Credit will not be given for both Ge Eng 301, Aggregates & Quarrying and Ge Eng 401, Aggregates & Quarrying.

EC1 1046, Mining Engineering 401, Mine Plant Performance Optimization. Approved for WS2000. 2 hours lecture and 1 hour lab. No prerequisites.

EC1 1047, Mathematics 401, Set Theory and the Continuum Hypothesis. Approved for FS2000. 3 hours credit. Prerequisites: Graduate standing in Mathematics/Statistics.

EC1 1048, English 201, Milton and Spenser. Approved for WS2000. 3 hours credit. Prerequisite: English 20.

EC1 1050, Electrical Engineering 301, Power Electronics Laboratory. Approved for WS2001. 1 hour lab. Prerequisites: Co-requisite El Eng 353.

EC1 1051, Engineering Management 301, System Engineering and Analysis I. Approved for WS2000. 3 hours credit. Prerequisites: Graduate or senior standing.
The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CCls be approved.

The following courses, removed from the table, are part of a curriculum for a student to receive elementary certification in the Teacher Education Program. Dr. Lasater attended the meeting to help clarify any questions the committee had about these courses. She previously provided a copy of the “Missouri Directory of Approved Professional Education Programs.” The committee recommended that Dr. Lasater now continue with the process to introduce a new degree program, Elementary Education, into the system.

**Approved CC1s**

CC1 4707, Mathematics 222, *Geometric Concepts for Elementary Teachers.* (Co-listed with education 222) Removed from tabled. Approved new course for WS2001. 3 hours credit. Prerequisites: Educ 40 or Math 002 or 004. Description reads: The course covers methods of teaching the study of points, lines, polygons, similarity, congruence, constructions, and proof in Euclidean Plane Geometry. Transformational geometry and trigonometry are introduced to elementary teachers..


CC1 4709, Education 215, *Teaching of Reading in Elementary and Middle School.* Removed from tabled. Approved new course for SS2000. 3 hours credit. Prerequisites: Educ 040. Description reads: Current materials, methods and teaching techniques in teaching reading in elementary and middle school grades. Emphasis on assessing elementary and middle students needs, individualizing programs based on needs, reading in the content areas, study skills and recreational reading as a lifetime habit..

CC1 4710, Education 218, *Language Arts for Elementary Teachers.* Removed from tabled. Approved new course for WS2001. 3 hours credit. Prerequisites: Educ 040. Description reads: Procedures used in teaching integrated language arts in elementary grades. The strategies would be the development of written and oral communication for use in elementary grades.

CC1 4711, Education 219, *Art for Elementary Teachers.* (Co-listed with Art 219) Removed from tabled. Approved new course for SS2001. 3 hours credit. Prerequisites: Educ 040. Description reads: Considers the vital role of art activities and creative experiences in the growth and development of children at their level..

CC1 4712, Education 222, *Geometric Concepts for Elementary Teachers.* (Co-listed with Mathematics 222). Removed from tabled. Approved new course for WS2001. 3 hours credit. Prerequisites: Educ 040 or Math 002 or 004. Description reads: The course covers methods of teaching the study of points, lines, polygons, similarity, congruence, constructions, and proof in Euclidean Plane Geometry. Transformational geometry and trigonometry are introduced to elementary teachers..
CC1 4716, Art, *Art for Elementary Teachers*. (Co-listed with Education 219) Removed from tabled. Approved new course for SS2001. 3 hours credit. Prerequisites: Educ 040. Description reads: Considers the vital role of art activities and creative experiences in the growth and development of children at their level.

CC1 4723, Education 211, *Child Psychology*. Removed from tabled. Approved new course for SS2001. 3 credit hours. Prerequisites: Educ 40 or Psych 50. Description reads: The psychological, intellectual, social, and physical development of children with emphasis on the cognitive and affective processes. The theory, research and application will be studied.

CC1 4734, Physical Education 231, *Methods in Physical Education 5-9*. (Co-listed with Education 231) Removed from tabled. Approved new course for WS2001. 3 hours credit. No prerequisites. Description reads: The course will provide the opportunity to learn how to promote student fitness and skill development while building the foundation for a physically active life through specific activities aimed at the student in transition from childhood to young adulthood (5-9).

CC1 4735, Education 231, *Methods in Physical Education 5-9*. (Co-listed with Physical Education 231) Removed from tabled. Approved new course for WS2001. 3 hours credit. No prerequisites. Description reads: The course will provide the opportunity to learn how to promote student fitness and skill development while building the foundation for a physically active life through specific activities aimed at the student in transition from childhood to young adulthood (5-9).

CC1 4736, Physical Education 230, *Methods in Physical Education K-4*. Removed from tabled. Approved new course for FS2000. 3 hours credit. No prerequisites. Description reads: The course will provide the opportunity to learn how to promote student fitness and skill development while building the foundation for a physically active life through specific activities aimed at the younger child.

CC1 4737, Education 230, *Methods in Physical Education K-4*. (Co-listed with Physical Education 230) Removed from tabled. Approved new course for FS2000. 3 hours credit. No prerequisites. Description reads: The course will provide the opportunity to learn how to promote student fitness and skill development while building the foundation for a physically active life through specific activities aimed at the younger child.

CC1 4739, Psychology 368, *Clinical Psychology*. Removed from tabled. Approved for WS2000. Change in course number from 268 “TO” 368. Prerequisites were changed from Psych 50 “TO” Psych 50 and Psych 262. Justification reads: Psych 268 will continue to be offered by the department but Psych 366 will not be offered again and will be deleted from the catalog. The department will also add Psych 262 as a prerequisite for Psych 268 and change its course number to 368. A course syllabus for both course #268 and course #368 has been submitted to the committee for clarification of the changes.


CC1 4746, Chemistry 444, Spectroscopy. Approved for WS2000. Change in course title “FROM” Chemical Spectroscopy. Change in prerequisites from Chem 251 and 343 “TO” Chem 343 or equivalent. Change in description to: Introduction to the interaction of electromagnetic radiation with matter. Emphasis on the ultraviolet, visible, and radio portions of the spectrum.

CC1 4747, Chemistry 445, Quantum Chemistry I. Approved for WS2000. Change in prerequisites from none “TO” Chem 343 or equivalent. Change in description to: A rigorous introduction to the fundamentals concepts and principles of quantum chemistry. Application to translational, vibrational, and rotational motion; one-electron systems.

CC1 4748, Chemistry 446, Quantum Chemistry II. Approved for WS2000. Change in prerequisites from Chem 445 “TO” Chem 343 or equivalent. Change in description to: Atomic and molecular quantum mechanics. Emphasis on self-consistent field, variational, and perturbation theories. Introduction to approximate methods.

CC1 4749, Freshman Engineering 000. Change in curriculum approved for FS2000. New course Bas En 010 will replace Fr Eng 005 and Fr Eng 015. Total credit hours are the same. New course Bas Eng 20 to replace Eng Gr 010. The vote was 2 to 1.

CC1 4750, Basic Engineering 010, Study and Careers in Engineering, FS2000. Approved new course. 1 hour credit. No prerequisites. Description reads: Examination of fields of engineering and career opportunities in engineering. Professional expectations. Introduction to campus resources for assisting student success.

CC1 4752, Psychology 354, Psychology of the Exceptional Child. Approved for WS2000. (Co-listed with Educ 354) was added to the catalog description to coincide with Educ 354.


CC1 4765, Engineering Graphics 010. Approved deletion of course effective SS2000. This Eng Gr 010 will be replaced by Bas En 020. See CC1 4766)
CC1 4766, Basic Engineering 020. Approved new course for FS2000. 1 hour lecture and 2 hours lab. No prerequisites. Description reads: Introduction to software tools (computer aided design drafting, computer mathematics, word processing, spread sheets) with application to professional engineering practice. Principles of engineering design. A semester long group design project is an integral part of this course.

M. Merrill Stevens, Chair
Memo To: Academic Council
From: UMR Campus Curricula Committee
Re: November 4, 1999, Meeting

For the information of the Academic Council, the following ECIs have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved ECIs
EC1 1052, Mechanical Engineering 301, Compliant Mechanism Design. Approved for WS2000. 3 hours credit. Prerequisites: Mc Eng 213, Bas En 110.


EC1 1054, Mining Engineering 401, Numerical Methods in Rock Mechanics. Approved for WS2000. 3 hours credit. No prerequisites. (See CC1 4761.)

The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CCIs be approved.

Approved CCIs
CC1 4760, Mining Engineering 432, Advanced Rock Mechanics. Approved for WS2000. Change in course title from, "Rock Mechanics III." Change description to: Advanced topics in static and dynamic rock mechanics; elasticity theory, failure theories and fracture mechanics applied to rock; stress wave propagation and dynamic elastic constants; rock mass classification methods for support design; pillar design in coal and metal mines; introduction to numerical models.

CC1 4762, Civil Engineering 360, Environmental Law Regulations. Approved new course for WS2000. 3 hours credit. No prerequisites. Description: This course provides comprehensive coverage of environmental laws and regulations dealing with air, water, wastewater, and other media. The primary focus is permitting, reporting, and compliance protocols. The course topics include U.S. and international legal systems and judicial processes, liability, enforcement. Clean Air Act, Clean Water Act (NPDES) permitting), Safe Drinking Water Act, OSGA, TSCA, RCRA, and CERCLA. Case studies will be emphasized. (Co-listed with Env Eng 360.)
CC1 4763, Environmental Engineering 360, *Environmental Law Regulations*. Approved new course for WS2000. 3 hours credit. No prerequisites. Description: This course provides comprehensive coverage of environmental laws and regulations dealing with air, water, wastewater, and other media. The primary focus is permitting, reporting, and compliance protocols. The course topics include U.S. and international legal systems and judicial processes, liability, enforcement. Clean Air Act, Clean Water Act (NPDES) permitting), Safe Drinking Water Act, OSGA, TSCA, RCRA, and CERCLA. Case studies will be emphasized. (Co-listed with Cv Eng 360.)

CC1 4764, Engineering Management 282, *Operations and Production Management*. Approved changes for WS2000. Change in course title from, “Production Engineering,” Change in description to: Concepts of operations and production management are presented at an introductory level. Qualitative and quantitative tools and techniques used for the optimization of the operations component of the total enterprise are explored in the context of improved productivity and strategic competitiveness.

Meggill Stevens, Chair
November 1, 1999

MEMO TO: Dr. Jerry Tien, President, Academic Council
FROM: Jerry Bayless, Chair, Public Occasions Committee
RE: Academic Year Calendar, 2001-2002
     Public Event Dates, 2000-2001

The Public Occasions Committee approved the two attachments at our October 21 meeting and presents them to the Academic Council for consideration at the next meeting. The 2001-2002 calendar was prepared by the Calendar Committee, chaired by Henry Metzner. Chairs of the various committees which coordinate public events had input on the dates.

JRB:sh

cc: Shirley Hobson
FALL SEMESTER 2001

Fall Semester opens 7:30 a.m.
Freshman Orientation Begins
International Student Orientation
Transfer Student Orientation
Student Registration 8:30 a.m. - 3:00 p.m.
Classwork begins 7:30 a.m.
Labor Day Holiday
Mid-Semester
Thanksgiving vacation begins 7:30 a.m.
Thanksgiving vacation ends 7:30 a.m.
Last Class Day
Reading Day
Final Examinations begin 8:00 a.m.
Final Examinations end 6:00 p.m.
Fall Semester closes 6:00 p.m.

Spring Semester opens 7:30 a.m.
International Student Orientation
Student Registration 8:30 a.m. - 3:00 p.m.
Martin Luther King, Jr. Recognition Holiday
Classwork begins 7:30 a.m.
Mid-Semester
Spring Recess begins 7:30 a.m.
Spring Recess ends 7:30 a.m.
Spring Break begins 7:30 a.m.
Spring Break ends 7:30 a.m.
Last Class Day
Reading Day
Final Examinations begin 8:00 a.m.
Final Examinations end 6:00 p.m.
Spring Semester closes 6:00 p.m.

*SUMMER SESSION 2002*

Summer Session opens 7:30 a.m.
Student Registration 8:30 a.m. - 3:00 p.m.
Classwork begins 7:30 a.m.
Independence Day Holiday
Summer Sessions closes 12:30 p.m.

*Schedule shows the regular eight-week Summer Session. Other special course sessions may be scheduled.*

CLASS SESSIONS (EXCLUDING FINAL EXAMINATIONS)

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<tr>
<td>Fall Semester</td>
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<td>Spring Semester</td>
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<tr>
<td>Summer Semester</td>
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The faculty is reminded of the religious and other holidays that a substantial number of students may wish to observe.
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Industry Career Day</td>
<td>Thursday, September 28, 2000</td>
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<tr>
<td>Rolla Night at the Engineers Club of St. Louis</td>
<td>Thursday, September 28, 2000</td>
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<tr>
<td>Homecoming</td>
<td>Friday &amp; Saturday, October 6, 7, 2000</td>
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<tr>
<td>Family Day, UM-Rolla Day</td>
<td>Saturday, October 14, 2000</td>
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<td>Student Council Free Day</td>
<td>Friday, October 20, 2000</td>
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<tr>
<td>Commencement*</td>
<td>Saturday, December 16, 2000</td>
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<tr>
<td>Spring Career Day</td>
<td>Wednesday, February 14, 2001</td>
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<tr>
<td>Science and Engineering Fair</td>
<td>Wednesday, March 21, 2001</td>
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<tr>
<td>Spring Open House</td>
<td>Saturday, April 21, 2001</td>
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<tr>
<td>Commencement*</td>
<td>Saturday, May 19, 2001</td>
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</tbody>
</table>

*Approved as part of 2000-2001 calendar*
2000-2001 Dates

Home Football Schedule - 2000

<table>
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<tr>
<th>Date</th>
<th>Opponent</th>
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<tbody>
<tr>
<td>September 23</td>
<td>Truman State</td>
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<tr>
<td>October 7</td>
<td>Washburn</td>
</tr>
<tr>
<td>October 14</td>
<td>Central Missouri State</td>
</tr>
<tr>
<td>October 28</td>
<td>Pitsburg State</td>
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<tr>
<td>November 11</td>
<td>Missouri Southern</td>
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</tbody>
</table>

Other Dates:

- ACT Test Dates: October 28, December 9, 2000, February 10, April 7, 2001
- Spring Break: March 25 - April 2, 2001
- Spring Recess: March 15 - March 19, 2001
- EIT Exam: Saturday, October 28, 2000 and Saturday, April 21, 2001
- Easter: April 15, 2001
Constitution

Article I
Organization

Section 1. Name. This organization shall be known as the University of Missouri-Rolla Colony of Phi Mu Alpha Sinfonia Fraternity of America, Incorporated.

Section 2. Insignia. The insignia of this organization shall be the black, gold, and red insignia of Phi Mu Alpha Sinfonia Fraternity of America, Incorporated.

Section 3. Affiliations. This organization shall be affiliated with all University of Missouri-Rolla music organizations.

Article II
Objectives

Section 1. Primary Purpose. The primary purpose of this fraternity shall be to encourage and actively promote the highest standards of creativity, performance, education, and research in music at the University of Missouri-Rolla.

Section 2. Further Purposes. Further purposes shall be to develop and encourage loyalty to the University of Missouri-Rolla, to foster the mutual welfare and brotherhood of students of music, to develop the truest fraternal spirit among its members, to instill in all people an awareness of music's important role in the enrichment of the human spirit.

Article III
Membership

Section 1. Qualifications.

Sub-section A. All members must have greater than a 2.0 grade point average.

Sub-section B. All members must be enrolled students or faculty at the University of Missouri-Rolla.

Sub-section C. All members must be voted into the organization by a simple majority.

Sub-section D. All members must pay an initiation fee, take a national examination, attend a number of organizational meetings and social activities and receive a bid. A strict non-hazing policy will be enforced for all prospective members.

Section 2. Classes of Membership.

Sub-section A. Members. Members are those persons who have completed their pledge duties and gone through initiation.

Sub-section B. Associate Members. Associate members are those persons who are University of Missouri-Rolla faculty in a supervisory roll.
International Association for the Exchange of Students of Technology and Engineering
University of Missouri - Rolla
Local Chapter
(IAESTE-UMR)

Constitution

I. This organization shall be known as *IAESTE-UMR*.

   A. This organization is a local chapter of the International Association for the Exchange of Students of Technology and Engineering - United States (IAESTE-US) and subject to its rules.

II. Purpose

   A. To promote intercultural understanding through the exchange of student workers in technical fields.
   B. To provide the opportunity for UMR students to live and work abroad.
   C. To bring foreign students with valuable skills to the UMR campus as research assistants, computer experts, etc.
   D. To allow students of UMR to interact with international students on a personal level.
   E. To increase awareness of the quality of UMR with companies in the area and abroad.

III. Membership

   A. Membership shall be limited to full time students in good academic standing.
   B. Membership shall be open to any and all students interested in advancing the goals of IAESTE. Members shall be allowed to vote after they have attended 3 meetings of the local committee.

IV. Officers

   A. The officers of the Local Chapter shall be as follows: President, Vice President, Secretary, Treasurer, Chief Job Raising Officer, Reception Officer, and Student Council Representative.
   B. Duties

      1. The President shall:
         a. Preside over all meetings of the Local Committee
         b. Report to the national office in Columbia, MD each February
         c. Coordinate and motivate officers in the performance of their duties
      2. The Vice President shall:
         a. Preside over meetings in the absence of the president
         b. Assume the duties of the president should he/she be no longer able to perform them
      3. The Secretary shall:
         a. Take and record attendance at all meetings
         b. Keep records of the minutes of each meeting and make these minutes available to all interested parties
         c. To assist in any official correspondence for the organization (excluding that
THE CONSTITUTION OF THE CHINESE STUDENTS AND SCHOLARS ASSOCIATION AT UMR

(Passed in 1998)

I. The Name

Article 1: This organization shall be named "Chinese Students and Scholars Association at University of Missouri-Rolla", abbreviated as CSSA.

II. Aims and Objectives of the Organization

Article 2: CSSA is a completely independent and non profit organization mainly representing the Chinese students and scholars at UMR from the People's Republic of China. The purpose of CSSA is to serve as the representative of Chinese students and scholars at University of Missouri-Rolla, to safeguard and promote its members' interests, to seek to promote communication and cultural interaction between the different people in the local community, to make everyone here aware of the colorful, rich and diverse Chinese culture that we bring with us.

III. Membership

Article 3: Any registered undergraduate or graduate student at UMR is eligible to join CSSA.

Article 4: Associate membership shall be extended to those who have an interest in CSSA, including UMR faculty and staff. Associate members will have the right to speak but not to vote or hold office.

Article 5: A regular member will lose his membership in one of the following situations: 1. Graduation; 2. Permanent leaving; 3. Self termination; 4. serious misdemeanor against CSSA.

Article 6: CSSA accepts communicating members, the communicating members have no rights to vote or to stand for election.

IV. Officers

Article 7: The board of officers is composed of four members: one president, one vice president, one treasurer and one secretary.

Article 8: The officers shall be elected by CSSA at its business meeting during the beginning of each winter semester. The nomination of candidates should be announced to CSSA members a week before the meeting. The officers shall be elected from candidates nominated, and the candidates get the most number of ballots from the first to the fourth most will hold office. The candidate having the most ballots is elected as the president.
<table>
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<tr>
<th>Date of Passage</th>
<th>Subject</th>
<th>Referred To</th>
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<tr>
<td>June 19, 1997</td>
<td>New Policy Memorandum on Video and/or Distance Learning</td>
<td>Dr. Park</td>
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<tr>
<td>Oct. 16, 1997</td>
<td>Elimination of Student Anonymous Complaint</td>
<td>Dr. Park Letters</td>
</tr>
<tr>
<td>June 25, 1998</td>
<td>Correction of Salary Deficits with</td>
<td>Dr. Park Comparable Institutions</td>
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I acknowledge the recommendation of the Personnel Committee regarding the opportunity of
students to provide comments as part of the assessment process. I note that the student anonymous complaint
letters which are part of the student assessment process are similar to the anonymous letters in the
administrative review process. In both cases, anonymous letters provide an outlet for those who feel
intimidated by the system.

I am at a loss on how to proceed on the recommendation from the Personnel Committee for the
administration to find ways to educate our students on how to use the systems in place to get a fair hearing
on complaints regarding grades or a faculty member. I would suggest the Personnel Committee look
carefully and realistically at developing a process where a student can get a fair hearing on the complaints
of grades and/or dealing with inadequate teaching on the part of a faculty member without being tagged as
a complainer or undermining their chances for a letter of recommendation or other support they need from
the faculty member.

With respect to the resolution of the Academic Council concerning salary deficits of comparison
institutions, it is my belief that prior to this last year UMR made great headway toward bringing individual
faculty members to the level of compensation they would receive from comparable institutions. Clearly the
$400 raise provided most faculty and staff during this past year resulted in significant loss relative to that
goal.

The UM strategic plan has placed a great deal of emphasis on financial changes to provide increased
compensation for faculty which will be available in the next two or three years. These financial changes will
require considerable reallocation and some changes in faculty loading and increased efforts on everyone’s
part in order to assure that UMR can continue to provide adequate compensation for faculty and staff.

The support of the Academic Council in implementing the required allocations which are necessary
if this University is to deal efficiently with faculty salary concerns, will be greatly appreciated.
Academic Council Resolutions
November 9, 1996

The Academic Council is concerned about the proposed administrative restructuring process which will have a lasting impact on the university community.

The UMR faculty is concerned that the committee studying the proposed restructuring of the university will be dominated by administrative personnel with different perspectives and concerns from the faculty. It is also important that the schools and college have equal representation to assure fair considerations of the concerns of these academic units.

The Academic Council therefore resolves that faculty representation from the Schools of Engineering, Mines and Metallurgy, College of Arts and Sciences and from Academic Council be provided on the administrative restructuring committee that is being organized by the Chancellor.

This would provide for a minimum of four representatives from the faculty which we feel is absolutely necessary to assure that faculty opinions and concerns are considered in a process that will have a potential which will have an adverse impact on the future of this university.

Be it resolved that the Academic Council supports such representation.

Academic Council Resolutions

The Academic Council is concerned about the proposed administrative restructuring of the university because of its impact on faculty, staff and students.

The UMR faculty is concerned that the recruitment of faculty will be adversely affected at a time when faculty retirements are greatly increasing. New faculty members will be interested in joining departments with distinct disciplines where their performances will be judged by individuals in their discipline. Retention of faculty will also be adversely affected because of the same conditions. Faculty morale has been adversely affected already because of the concern over this restructuring. Faculty time has been deflected from research and teaching because of concerns about restructuring.

Be it resolved that the Academic Council go on record as opposing restructuring proposals that eliminate existing departments by combining them with others.
Proposed Resolution

In accordance with its charge to formulate, recommend, and assist in the implementation of policies concerning the educational and research operations of the campus, the Academic Council expresses to the Chancellor its deep concern and reservations regarding any proposal to reorganize the administrative structure of academic departments. Furthermore, the Council hereby calls upon the Chancellor to seek its advice and approval prior to implementation of any such proposal.
XXIX,3. The meeting was called to order at 1:30 P.M. by President Jerry Tien. Roll Call was taken, and a quorum proved. One substitution was noted-Levant Acar for Ron Kohser. There was a motion to approve the minutes of the October 21, 1999 meeting as distributed. A second followed, and motion carried.

I REPORTS AND RESPONSES

A. PRESIDENT’S REPORT

1. Professor Tien stated that the time for each report would be limited because of a lengthy agenda.
2. President Tien called on Professor Jay Gragg to give a brief report on enrollment.
   a. Professor Gragg used an overhead presentation with data from other schools. All are holding steady or rising except UMR. He said he would send copies of this data to anyone who requests it. *(See graph attached)*
3. Professor Tien announced that Dr. Steve Lemkuhle would be speaking to the Council after the Chancellor’s Report.

B. CHANCELLOR’S REPORT

1. Dr. Park said he would address four issues as requested.
   a. The Chancellor said enrollment projections for next year appear to be well ahead in the recruiting process from last year. He went on to say there is a big difference between getting the applicants and getting them locked in place. He elaborated at length on various ways this is being addressed.
   b. The issue of the four hundred dollar raises-Dr. Park read a portion of a memo Concerning exceptions and elaborated briefly on the reasons for these.
   c. Administrative Review-The Chancellor said he felt he should leave that for Dr. Lemkuhle to address.
   d. Administrative Restructuring-Dr. Park said this process will go on, but no decisions have been made. He said there are no plans to close any departments.
QUESTIONS AND ANSWERS

1. The first question from the floor concerned what percent of Faculty received more than a $400 raise. The Chancellor said he has some control over interpretation, although this directive came from the President.

2. The question concerning percent of Faculty was repeated. After Dr. Park said that he didn't know, Professor Ken Robertson said he had heard it was about 30%.

3. Professor Don Myers commented that he had thought the money that "came down" was only for $400 raises, and asked what kind of dollars did come, Dr. Park said additional money was allowed for exceptions, promotions, etc. and that reallocation was at the Chancellors' level.

C. Dr. Steve Lemkuhle addressed the Council on the matter of Post Tenure Review.

1. Dr. Lemkuhle said that President Pacheco came from an institution where Post Tenure Review was mandated by the Legislature, and felt it was not a good thing. He said the process was so onerous it bogged down. It was designed by the Legislature to be punitive in nature, and became non-functional.

2. Dr. Lemkuhle stated that IFC had discussed this issue for several years, and there had always been some discussion at the legislative level.

3. He said that the UM System has an annual review process, with sanctions attached (remediation period), but it's not packaged together and not called Post Tenure Review.

4. He said that President Pacheco feels we should repackage what we have for Post Tenure Review, but thinks it should come from Faculty and wants a committee to include Faculty representatives from all the campuses.

5. Dr. Lemkuhle said that's one thing we don't have-Faculty doesn't participate in the process-it's all administration. President Pacheco wants it to be developmental in nature-not punitive. He feels if we wait any longer, we might have to deal with a legislative mandate.

QUESTIONS AND ANSWERS

1. Professor Jay Gragg asked if Dr. Lemkuhle was basically saying that if we formalize what we already have in place, that would be sufficient. The answer was affirmative, but Dr. Lemkuhle said he would also like to see more Faculty involvement.

2. Professor Don Myers asked what the review approval process would be after the committee's recommendations are in. Dr. Lemkuhle replied that the committee would take it to the President, and he in turn would present it to the Curators.

3. There was a question as to whether the reason for this is a thought that there are tenured professors that need to be out. Dr. Lemkuhle said the reasoning is that there are questions about the effectiveness of the current process, and the Board of
Curators' main need is to assure the process in place is a valid one.

4. Professor Neil Book commented that in his opinion, the Faculty representatives should be elected rather than nominated by IFC. Dr. Lemkuhle said that he has asked IFC to produce nominees to serve on this committee to include the Faculty Government Chair. He said who these are can be addressed on each campus.

5. Dr. Park said whoever is elected should be instructed to go for a process that will not "drag on"-a system that works, but doesn’t bog down in paperwork.

6. Professor Ken Robertson said he has been a Faculty member at UMR 30 years, and taking away tenure is not what was planned 30 years ago. He said this is a very important issue and should be taken as such.

.2 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Ken Robertson presented this report.

1. Professor Robertson presented the EC1's for the Council’s information.
2. Professor Robertson moved to approve the CC1’s as distributed. Professor Lance Haynes seconded the motion.
3. There were some comments as to the wording of the course descriptions. Dr. Park then asked if the grammar would be corrected before they went in the handbook, and the registrar replied that it would be done.
4. Vote was then taken and motion carried.

B. PERSONNEL-Professor Don Myers said the committee is reviewing the process received from the Chancellor.

C. PUBLIC OCCASIONS-Professor Jerry Bayless presented this report.

1. Professor Bayless presented the 2001-2002 calendar, stating that it meets the general theme of the system wide calendar.
   a. After a few comments, an addition to the calendar was distributed *(See attached).*
   b. There was a motion to approved, followed by a second. Motion carried.
   Professor Jay Gragg moved to approve. There was a second and motion carried.

D. RULES, PROCEDURE, AND AGENDA-Professor Lance Haynes announced that a representative to the Curricula Committee needed to be elected to replace Howard Pyron, who retired.

1. Professor Haynes said that RP & A had nominated Charles Morris.
2. There was a motion to elect Professor Morris by acclamation. There was a second and motion carried.
E. STUDENT AFFAIRS—This report was presented by Mr. Mark Petrofka.

1. Mr. Petrofka referred to the Constitutions included with the agenda, beginning with the Chinese Students Club. He mentioned that the wording had been changed (as requested at a previous meeting) to include all students.
   a. Professor Susan Murray proposed a friendly amendment that the male pronouns be changed to both male and female. With this amendment accepted, Professor Jay Gragg moved to approve the constitution. Professor Don Myers seconded and motion carried.
2. Mr. Petrofka then presented for approval the Phi Mu Alpha Sinfonia Fraternity. Professor Ken Robertson moved to approve, followed by a second. After a brief discussion, motion carried.
3. The next constitution presented was the International Association for Exchange Students of Technology and Engineering. Professor Ken Robertson moved to approve. Professor Jay Gragg seconded, and motion carried.

3 OLD BUSINESS—Professor Tien made brief mention of the Action Items and the Chancellor's response that were included with the agenda.

4 NEW BUSINESS AND ANNOUNCEMENTS

A. President Tien referred to the three proposed resolutions on Administrative Restructuring that were included with the agenda.

1. Dean Saperstein asked who submitted them. Professor Haynes said none were recommended over the others by RP & A.
2. Professor Tien then read Resolution #1 to the Council.
   a. After some brief comments, Professor Lance Haynes moved to approve Resolution #3. It was then read aloud to the body. Professor Jay Gragg seconded the motion.
   b. The question was asked whether each resolution came from a different source. Professor Don Myers stated that he believes the intent is to seek advice and approval from the Academic Council after a plan is made.
   c. The question was called by Professor Lance Haynes. Professor Neil Book commented further, and presented a friendly amendment to remove the words “academic departments”. Professor Haynes said that would not be appropriate.
   d. Professor Matt Insall suggested the word implementation be replaced with the word development. Professor Bruce Selberg seconded.
   e. Professor Insall and Professor Selberg withdrew the motion to amend when Dr. Park stated that he couldn’t get approval before something was developed.
f. Professor Don Myers then moved to amend, so that the last sentence would read, “Furthermore, the Council hereby calls upon the Chancellor to include appropriate Faculty representation and to seek its advice and approval prior to implementation of any such proposal”. There was a second and motion carried.

g. Vote was then taken on the main motion, which carried, with 2 opposed.

3. Professor Jay Gragg moved to adopt the first resolution also. Professor Selberg seconded.

a. Professor Lance Haynes objected, saying it covered too large a group.

b. Professor Acar moved to table. This died for lack of a second.

c. Vote was then taken on Professor Gragg’s motion, which carried with one opposed.

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

[Signature]

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official documentation and notification of actions approved.*
Freshman Enrollment Trends at Small Midwestern and Western Technical Universities, 1994 to 1999

Population of 15 - 19 Years Old Students In the United States, 1994 to 1999

Source: U.S. Census Bureau
FALL SEMESTER 2001

International Student Orientation August 7, Tuesday
Fall Semester opens 7:30 a.m. August 12, Sunday
Freshman Orientation Begins August 12, Sunday
International Student Orientation August 7, Tuesday
Transfer Student Orientation August 15, Wednesday
Student Registration 8:30 a.m. – 3:00 p.m. August 16, Thursday
Classwork begins 7:30 a.m. August 20, Monday
Labor Day Holiday September 3, Monday
Mid-Semester October 13, Saturday
Thanksgiving vacation begins 7:30 a.m. November 21, Wednesday
Thanksgiving vacation ends 7:30 a.m. November 26, Monday
Last Class Day December 7, Friday
Reading Day December 8, Saturday
Final Examinations begin 8:00 a.m. December 10, Monday
Final Examinations end 6:00 p.m. December 14, Friday
Fall Semester closes 6:00 p.m. December 15, Saturday
December Commencement December 15, Saturday

SPRING SEMESTER 2002

International Student Orientation January 7, Monday
Spring Semester opens 7:30 a.m. January 10, Thursday
Student Registration 8:30 a.m. – 3:00 p.m. January 10, Thursday
Martin Luther King, Jr. Recognition Holiday January 15, Tuesday
Classwork begins 7:30 a.m. March 9, Saturday
Mid-Semester March 14, Thursday
Spring Recess begins 7:30 a.m. March 18, Monday
Spring Recess ends 7:30 a.m. March 24, Sunday
Spring Break begins 7:30 a.m. April 1, Monday
Spring Break ends 7:30 a.m. May 0, Friday
Last Class Day May 11, Saturday
Reading Day May 13, Monday
Final Examinations begin 8:00 a.m. May 17, Friday
Final Examinations end 6:00 p.m. May 18, Saturday
Spring Semester closes 6:00 p.m. May 18, Saturday
May Commencement May 18, Saturday

*SUMMER SESSION 2002

Summer Session opens 7:30 a.m. June 10, Monday
Student Registration 8:30 a.m. – 3:00 p.m. June 10, Monday
Classwork begins 7:30 a.m. June 11, Tuesday
Independence Day Holiday July 4, Thursday
Summer Sessions closes 12:30 p.m. August 3, Saturday

*Schedule shows the regular eight-week Summer Session. Other special course sessions may be scheduled.

CLASS SESSIONS (EXCLUDING FINAL EXAMINATIONS)

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The faculty is reminded of the religious and other holidays that a substantial number of students may wish to observe.
Academic Council Meeting
Thursday, January 20, 2000; 1:30 P.M.; 204 McNutt

I. Approval of minutes of the November 18, 1999 meeting
   1. Correction on substitution-Acar for Kosbar

II. Reports and Responses
   A. President’s Report (5 min.) Jerry Tien
   B. Chancellor’s Report (10 min.) John Park
      (10 minutes for Questions and Answers)

III. Reports of Standing and Special Committees
   A. Curricula (5 min.) Ken Robertson
      1. *Report No. 5
   B. Personnel (10 min.) Don Myers
      *1. Video and/or Distance Learning Load & Compensation Determination
   C. Student Affairs (5 min.) Mark Petrofka
      1. Afternoon class scheduling (10-15-98)
      2. Potential final exam time conflict

IV. Old Business

V. New Business and Announcements
   A. Staff Council
   B. Student Council
   C. *Proposed Resolution for Appointment of President of Academic Council

*Information distributed with agenda to Academic Council members and Department Chairs.
Memo To: Academic Council  
From: UMR Campus Curricula Committee  
Re: January 10, 2000, Meeting  
Date: January 12, 2000

For the information of the Academic Council, the following EC1 have been submitted by the University departments for an experimental course that will be offered in the near future.

**Approved EC1s**
EC1 1055, Ceramic Engineering 401, Composite Materials. Approved for WS2000. 3 hours credit. Prerequisites: Bas En 110.

EC1 1056, Biological Sciences 301, Environmental Microbiology. Approved for FS2000. 3 hours credit. Prerequisites: Bio Sc 221 or equivalent.

EC1 1057, History 301, History of Modern Germany, 1648 – Present. Approved for FS2000. 3 hours credit. Prerequisite: History 112.

EC1 1058, Ceramic Engineering 401, Advanced Topics on the Vitreous State. Approved for FS2000. 3 hours credit. Prerequisites: Graduate standing.

EC1 1061, English 301, Teaching and Supervising Writing. Approved for SS2000. (The English department changed the effective term to SS2000 on 1/5/00.) 3 hours credit. Prerequisites: 6 hours of college-level writing courses. This course was taught WS1998 as a 201. Credit will not be given for both English 201 and English 301. This SS2000 as a 301 will count as the second time this course has been taught.

EC1 1062, Geology 301, Petroleum Exploration Simulation. Approved for FS2000. 1 hour credit. Prerequisites: Geol 340.

EC1 1063, Computer Engineering 301, Systems & Software. Approved for FS2000. 3 hours credit. Prerequisites: Cp Eng 213 or Cp Eng 315 or Cp Eng 317 or Cp Eng 319.

EC1 1064, Civil Engineering 301, Smart Materials and Sensors. Approved for FS2000. Co-listed with Mc Eng, Ae Eng, El Eng and E Mech. 2 hours lecture and 1 hour lab. Prerequisites: Senior Standing and Math 204.
EC1 1065, Civil Engineering 301, Design of Low-Rise Buildings Under Wind and Earthquake Loads. Approved for FS2000. 3 hours credit. Prerequisites: Bas En 150, Cv Eng 221, Cv Eng 223.

EC1 1066, Electrical Engineering 301, Smart Materials and Sensors. Approved for FS2000. Co-listed with Mc Eng, Ae Eng, El Eng and E Mech. 2 hours lecture and 1 hour lab. Prerequisites: Senior standing and Math 204.

EC1 1067, Mechanical Engineering 301, Smart Materials and Sensors. Approved for FS2000. Co-listed with Ae Eng, El Eng, Cv Eng and E Mech. 2 hours lecture and 1 hour lab. Prerequisites: Math 204 and Senior Standing.

EC1 1068, Engineering Mechanics 301, Smart Materials and Sensors. Approved for FS2000. Co-listed with Ae Eng, El Eng, Cv Eng and E Mech. 2 hours lecture and 1 hour lab. Prerequisites: Math 204 and Senior Standing.

EC1 1069, Aerospace Engineering 301, Smart Materials and Sensors. Approved for FS2000. Co-listed with E Mech, El Eng, Cv Eng and Mc Eng. 2 hours lecture and 1 hour lab. Prerequisites: 2 hours lecture and 1 hour lab.

EC1 1070, English 201, Writing Web Pages. Approved for FS2000. 3 hours lecture. Prerequisites: Two college-level writing courses.

EC1 1071, Philosophy & Liberal Arts, Education 401, Standards Driven Teaching & Learning for Mathematics. Approved for SS2000. Prerequisites: 1 hour lecture and 1 hour lab.

EC1 1072, Philosophy & Liberal Arts, Education 401, Standards Driven Teaching & Learning for Social Studies. Approved for SS2000. 1 hour lecture and 1 hour lab. Prerequisites: Standards driven social studies.

EC1 1073, Philosophy & Liberal Arts, Education 401, Standards Driven Teaching & Learning for Communication Arts. Approved for SS2000. 1 hour lecture and 1 hour lab. Prerequisite: Graduate Standing.

EC1 1074, Philosophy & Liberal Arts, Education 401, Standards Driven Teaching & Learning for Science. Approved for SS2000. 1 hour lecture and 1 hour lab. Prerequisite: Graduate Standing.

EC1 1075, Biological Sciences 301, Plant Physiology. Approved for FS2000. 3 hours lecture. Prerequisites: Bio Sc 110 and Bio Sc 211.

EC1 1076, Electrical Engineering 301, RF Circuit Design. Approved for FS2000. 3 hours lecture. Prerequisites: El Eng 254 or 252; preceded or accompanied by El Eng 243.

EC1 1077, Computer Engineering 301, Real-Time Digital Signal Processing. Approved for FS2000. 2 hours lecture and 1 hour lab. Prerequisites: El Eng 262; Cp Eng 213.
The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1s be approved.

Approved CC1s

CC1 4767, Philosophy 340, Social Ethics Approved for FS2000. Change in course number from Phil 50 “TO” Phil 340. Change in prerequisites from Entrance requirements “TO” Any lower level ethics course.

CC1 4768, History 383, American Diplomatic History. Approved for SS2000. This statement was added to the description: “Co-listed with Pol Sc 383.” Change in prerequisites from History 175 or 176 “TO” History 175, 176, or Pol Sc 90.

CC1 4769, Political Science 383, American Diplomatic History. Approved new course for SS2000. 3 hours lecture. Prerequisites: History 175, 176, or Pol Sc 90. Description reads: The history of American foreign relations, broadly conceived, from the Revolution to the present. The first half of the course will survey American diplomatic history to 1941. The second half will analyze the major themes in U.S. foreign policy since WWII, with special emphasis on the problems of national security and the realities of power politics in the Cold War era. Co-listed with History 383.

CC1 4770, History 316, The American Presidency. Approved new course for SS2000. 3 hours lecture. Prerequisites: Pol Sc 90 or History 176. Description: Historical development of the presidency; emphasis on the constitutional powers and limits of the office and the political contextual variables that influence presidential behaviors. Co-listed with Pol Sc 316.

CC1 4771, Political Science 316, The American Presidency. Approved for SS2000. Added to the catalog description was, “Co-listed with History 316.” Change in prerequisites from Pol Sc 90 “TO” Pol Sc 90 or History 176.

CC1 4772, Political Science 235, Theories & Issues of Political Science. Approved for FS2000. Change in prerequisite from None “TO” Pol Sc 90 or History 175 or 176.

CC1 4773, Chemistry, Polymer & Coatings Science Emphasis Area. Approved curriculum change for FS2000. Justification: The proposed changes are to present a more understandable schedule, that is in line with current class scheduling and advising within the department.

CC1 4774, Chemistry, Bachelor of Science degree. Approved curriculum change for FS2000. Justification: The proposed changes are to present a more understandable schedule, that is in line with current class scheduling and advising within the department.

CC1 4777, Aerospace Engineering 316, Concurrent Engineering II. Approved new course for FS2000. 3 hours lab. Prerequisites: Ae Eng 315 or Mc Eng 315. Description: Students will form groups and then using the electronic data based approach apply the concurrent engineering process to develop products. Areas to be covered are the customer, design, manufacturing, assembly, cost and supportability. (Co-listed with Mc Eng 316.)

CC1 4778, Mechanical Engineering 316, Concurrent Engineering II. Approved new course for FS2000. 3 hours lab. Prerequisites: Ae Eng 315 or Mc Eng 315. Description: Students will form groups and then using the electronic data based approach apply the concurrent engineering process to develop products. Areas to be covered are the customer, design, manufacturing, assembly, cost and supportability. (Co-listed with Ae Eng 316.)

CC1 4779, Electrical Engineering 000. Approved curriculum change for FS2000. Several courses are modified to separate the lab from the lecture. All proposed changes in the numbering of these courses are to alleviate scheduling problems, and represent no fundamental changes in the curriculum content. In addition, several changes were made to footnotes of the curriculum, primarily affecting the details of electives.


CC1 4781, Electrical Engineering 205, Electromechanics. Approved new course for FS2000. 3 hours lecture. Prerequisites: El Eng 153 with a grade of “C” or better, passing grade on the El Eng Advancement Exam II. El Eng 208 is a co-requisite. Description: Magnetics and magnetically coupled circuits, electromechanical energy conversion, rotating magnetic fields, stepper motors, DC machines, induction machines, synchronous machines, and brushless DC machines.


CC1 4783, Electrical Engineering 207, Power System Design and Analysis. Approved new course for FS2000. 3 hours lecture. Prerequisites: El Eng 153 with a grade of “C” or better and passing grade on the El Eng Advancement Exam II. Description: Power system components and transmission lines, three phase balanced power system theory, analysis and design including economic and reliability considerations, and fault analysis. A power system design project using a graphical power flow program is included.

CC1 4784, Electrical Engineering 208, Electromechanics Laboratory. Approved new course for FS2000. 1 hour lab. Prerequisites: El Eng 153 with a grade of “C” or better, passing grade on the El Eng Advancement Exam II. El Eng 205 is a corequisite. Description: Experiments with power measurement, transformers, magnetically coupled circuits, rotating magnetic fields, stepper motors, DC machines, induction machines, synchronous machines, and brushless DC machines.
CC1 4785, Electrical Engineering 209, Power System Design and Analysis Laboratory. Approved new course for FS2000. 1 hour lab. Prerequisites: EI Eng 153 with a grade of “C” or better, passing grade on the EI Eng Advancement Exam II. EI Eng 207 is a corequisite. Description: Computer-aided analysis of voltage regulation, power flow, compensation and economic analysis. Individual projects are required.

CC1 4786, Electrical Engineering 251, Electronics I. Approved deletion for FS2000.


CC1 4788, Electrical Engineering 253, Electronics I. Approved new course for FS2000. 3 hours lecture. Prerequisites: EI Eng 153 with a grade of “C” or better and Cp Eng 112. Passing grade on the EI Eng Advancement Exam II. EI Eng 255 is a corequisite. Description: Diode and transistor circuits, small signal analysis, amplifier design, differential and operational amplifiers, flipflop circuits and waveshaping.

CC1 4789, Electrical Engineering 254, Electronics II. Approved new course for FS2000. 3 hours lecture. Prerequisites: EI Eng 253 and EI Eng 255. Description: Diode and transistor circuits, small signal analysis, amplifier design, differential and operational amplifiers, logic families, flipflop circuits and waveshaping.

CC1 4790, Electrical Engineering 255, Electronics I Laboratory. Approved new course for FS2000. 1 hour lab. Prerequisites: EI Eng 153 with a grade of “C” or better and Cp Eng 112. Passing grade on the EI Eng Advancement Exam II. EI Eng 253 is a corequisite. Description: Experiments in design with diodes, transistors, differential and operational amplifiers, and logic components.

CC1 4791, Electrical Engineering 256, Electronics II Laboratory. Approved new course for FS2000. 1 hour lab. Prerequisites: Preceded by EI Eng 253 and EI Eng 255. EI Eng 254 is a corequisite. Description: Experiments in design with diodes, power transistors, integrated circuits, advanced bipolar and FET logic gates, flipflops and registers.


CC1 4794, Electrical Engineering 265, Linear Systems I. Approved new course for FS2000. 3 hours lecture. Prerequisites: EI Eng 153 and Math 204 with a grade of “C” or better, EI Eng 154; passing grade on the EI Eng Advancement Exam II. EI Eng 266 is a corequisite. Description: Analysis methods for continuous-time systems in the time frequency domains including signal models. Fourier transforms, and Laplace transforms. Examples of control and communication systems are included.
CC1 4795, Electrical Engineering 266, Linear Systems I Laboratory. Approved new course for FS2000. 1 hour lab. Prerequisites: EI Eng 153 and Math 204 with a grade of "C" or better, EI Eng 154, a passing grade on EI Eng Advancement Exam II. EI Eng 265 is corequisite. Descriptions: This laboratory explores the use of software tools for signal and system representation and analysis.

CC1 4796, Electrical Engineering 267, Linear Systems II. Approved new course for FS2000. 3 hours lecture. Prerequisites: EI Eng 265 and EI Eng 266. EI Eng 268 is corequisite. Descriptions: Design and analysis methods for continuous and discrete-time systems including analog filter design, analog to digital conversion, z-transforms, and Discrete Fourier Transforms.

CC1 4797, Electrical Engineering 268, Linear Systems II Laboratory. Approved new course for FS2000. 1 hour lab. Prerequisite: EI Eng 265 and EI Eng 266. EI Eng 267 is corequisite. Descriptions: This laboratory introduces the spectrum analyzer and other tools for that analysis of specific systems.

CC1 4798, Electrical Engineering 271, Electromagnetics. Approved new course for FS2000. 3 hours lecture. Prerequisites: EI Eng 153, Physics 24, and Math 204 with a grade of "C" or better, EI Eng 154, and a passing grade on the EI Eng Advancement Exam II. EI Eng 272 is corequisite. Descriptions: Static electric and magnetic fields using vector analysis and time-varying electromagnetic fields using Maxwell's equations. Topics include Coulomb's law, Gauss's law, Ampere's law, dielectric and magnetic materials, plane waves, and transmission lines.

CC1 4799, Electrical Engineering 272, Electromagnetics Laboratory. Approved new course for FS2000. 1 hour lecture. Prerequisites: EI Eng 153, Physics 24, and Math 204 with a grade of "C" or better, EI Eng 154, and a passing grade on the EI Eng Advancement Exam II. EI Eng 272 is corequisite. Descriptions: Safety using electrical and high-frequency devices, measurement of circuit parameters, and application of Maxwell's equations. Topics include electromagnetic coupling, circuit models, transmission lines, and laser propagation.


CC1 4801, Psychology 345, Evolutionary Psychology. Approved new course for WS2000. 3 hours lecture. Prerequisites: Psych 50 and Psych 140. Descriptions: Fundamental principles of evolution, and their applicability to human behavior and psychological processes, will be examined. The course will focus on theoretical rationales for an evolutionary approach to psychology and on looking critically at recent research in the field.

CC1 4803, Chemical Engineering 027, Chemical Engineering Calculations. Approved for FS2000. Change in credit hours from 3 hours lecture "TO" 2 hours lecture and 1 hour lab.
CC1 4809, Basic Engineering 051, Statics. Approved new course for FS2000. 2 hours lecture and 1 hour lab. Prerequisites: Physics 23 or 21; preceded or accompanied by Math 22. Description reads: Application to the principles of mechanics to engineering problems of equilibrium. Topics include resultants, equilibrium, friction, trusses, center of gravity and moment of inertia. Justification: We wish to experiment with this format to see if it leads to gains and/or efficiencies in learning. The total content is identical to Bas Eng 50.

J. Keith Nisbett, Chair
**Background**: A U-Wide committee was formed to look at the issue of copyright ownership, including as relates to faculty distance education developed materials for video and internet, and propose any modification(s) to existing policies. That committee continues its deliberations and it is not likely to result in an approved policy in the near term. Since several faculty are developing these kinds of materials, the Chancellor was encouraged to develop a related interim UMR policy. A copy of the attached proposed interim policy was submitted the Academic Council and referred to the Personnel Committee for review.

**RESOLUTION**

**WHEREAS**, Chancellor Park has submitted to the Academic Council for review and comment a draft of an interim UMR policy on Video and/or Distance Learning Load and Compensation Determination to serve until the University of Missouri’s copyright policy has been revised and updated; and

**WHEREAS**, the draft interim policy was referred to and reviewed by the Personnel Committee in consultation with Vice Chancellor Gajda, Chair of the Executive Subcommittee of the University Patent, Copyright, and University-Sponsored Educational Materials to make recommendations how best to revise and update the University’s copyright policy;

**IT IS THEREFORE RESOLVED:**

That the Academic Council recommends that the said draft policy be revised to be consistent with the following principles:

1. The present UM copyright regulations as detailed in 100.030 of the Collected Rules and Regulation and as further elaborated below;
2. The policy of the traditional accepted practice of faculty members' ownership of books, etc., as outlined in Paragraph A of the said UM regulations, shall extend to faculty developed Video and Distance Learning materials;
3. In addition to those itemized under Paragraph B.1.c of the said regulations, “Substantial University resources” do not include things which most faculty have routine access to, such things as use of a workstation and network, training sessions for development of skills and knowledge to use related technology, and changing faculty owned materials into other formats such as “html”.
4. Any rights of the University to faculty developed Video and Distance Learning materials shall be documented in a written agreement prior to reducing the materials to a tangible form;
TO: Dr. Jerry Tien, President
   Academic Council

FROM: John T. Park
      Chancellor

DATE: October 20, 1999

RE: Video and/or Distance Learning Load and Compensation Determination

Attached is a draft of the interim policy for video and/or distance learning load and compensation determination.

This draft will be in effect while a final version of this policy memo is being developed.

I look forward to your comments.

JTP:chg

cc: Personnel Committee of the Academic Council
INTERIM POLICY FOR VIDEO AND/OR DISTANCE LEARNING LOAD AND COMPENSATION DETERMINATION

As the University of Missouri-Rolla becomes more involved in the production and development of video and/or distance learning, it is necessary that guidelines for faculty involvement be developed. For the 1999-2000 academic year, the following policy will be followed:

All video and/or distance learning credit and non-credit activities produced must be approved in advance by the appropriate department chair, dean, and Video Communications Center (VCC) director, and the vice chancellor for academic affairs.

All video and/or distance learning tapes are the property of the University of Missouri-Rolla as specified in Section 8.0303 of the Collected Rules and Regulations.

The situations under which a course can be developed for video and/or distance learning purposes vary dramatically. In most cases both the faculty member and the University have invested in the development of video and/or distance learning credit courses. All video and/or distance learning courses require campus resources beyond faculty time. Faculty are given different levels of release time. Involvement of video and/or computer staff and secretarial assistance also varies greatly from one situation to another. A fair arrangement that rewards faculty effort, but at the same time satisfies state law with respect to the gifting of University property or services, will require that each case be treated uniquely, taking into account the amount of the faculty’s personal time beyond that required for a standard course, the amount of University support in all forms, and the rights of other faculty and/or staff who may be involved with a particular course.

Prior to the development of any intellectual property with potential for future use, a memo of understanding will be developed by the faculty member, any staff members involved, and the department chair which recognizes the contributions of all parties involved. If no such memo of understanding exists, all property rights will revert to the University on the basis the University has paid through salaries, etc., for the products of its employees.

This proposed policy is to be an interim policy until experience with the presentation of distance courses is adequate to allow a more detailed policy to be developed.
A. Credit Courses

1. All classes taught on the UM network and taped in the candid classroom in front of a regular class by UMR faculty will be considered part of a regular departmental teaching load.

2. A memo of understanding will be prepared for the development of any video and/or distance learning credit course for off-campus use. The memo of understanding will recognize the extra effort of the faculty member required to teach the course both off-campus and at the remote site. The understanding must recognize any contribution in terms of release time, financial support, staff support, VCC contributions, etc., in preparing the course. The memo of understanding must be completed prior to initiating the course. If extra compensation is involved, it is subject to regular requirements and expectations regarding extra compensation.

3. If a video and/or distance learning course is to be taught for extra compensation, an understanding must be developed involving all faculty, staff, and contributing units, the memo of understanding will recognize the extra effort required to teach the course both on campus and at the remote site. The understanding must also recognize any contributions in terms of release time, financial support, staff effort, etc., in developing and presenting the course. The understanding will be recorded and a memo of understanding processed before the course begins.

4. If the effort involved in presenting a video and/or distance learning course exceeds the normal expectation of the departmental teaching load of a faculty member, the faculty member who monitors a video and/or distance learning class at an off-campus location may receive a percentage of the educational fee income from that off-campus class. Such income will be subject to the 20 percent extra-compensation limit. An agreement must be prepared in writing prior to the initiation of the course which clearly specifies the duties of the faculty member with respect to the off-campus course and documents that the course meets all the requirements for an overload assignment.

5. A video and/or distance learning education course should be counted as part of the regular load of a faculty member and treated identically in tenure, promotion or salary considerations. These courses should be included on an equal basis with other courses in the campus teaching evaluation process.

B. Non-Credit Short Courses

Short courses may be produced in two modes: as a part of a regular departmental teaching load or under an extra compensation agreement. In either case, the terms for faculty compensation must be determined in advance.

1. The faculty participating in the production of a video and/or distance learning short course as a part of a regular departmental teaching load will not normally receive a video preparation fee.
2. Short course video and/or distance learning preparations may be produced under an extra compensation agreement, as defined in the "Recommendation for Extra Compensation Appointment" (green form). The agreement will specify the percentage of the educational fee or sale price for the short course, paid as income becomes available. The agreement will recognize and provide for reimbursement of University contribution in terms of release time, financial support, VCC effort, etc., in developing and presenting the course. The extra compensation for video and/or distance learning preparation will be paid at a rate not to exceed 30 percent of the educational fee or sale price for the short course until a maximum of 5 percent of the faculty member's academic year salary is reached. Thereafter, the faculty member will receive no more than 20 percent of the income from the tapes after all expenses, including royalties, are paid. If multiple authors are involved, the preparation fee may be prorated between them. Such preparation fees will be subject to extra compensation agreements.

3. The faculty members involved in short course video and/or distance learning production, whether as part of load or as extra compensation, will receive a royalty payment equal to 15 percent of the educational fee generated, or sale price. Royalty payments for use of the tapes will not be subject to the 20 percent extra compensation limitation.

4. Prior to producing a video and/or distance learning short course, the director of the VCC must receive written evidence of the approval of the department chair, dean and appropriate continuing education unit.

C. Live Video and/or Distance Learning Off-Campus Teaching

1. Live video and/or distance learning off-campus teaching normally will be handled as a part of a regular departmental teaching load.

2. Extra compensation agreements to account for effort beyond normal workloads must be completed in advance utilizing the dean's form, "Recommendation for Extra Compensation Appointment."

3. Compensation for video and/or distance learning tapes produced during live video and/or distance learning off-campus teaching will be handled under the procedures outlined in the sections above.

D. Duration of Policy

This policy expires one year after it is approved, unless its validity is reinstated, in writing, by the Chancellor.

*Duties of the monitor should be specified in a written agreement between him/her, the department and the dean.*
EFFECTIVE DATE: October 1, 1999

RESPONSIBILITY: Chancellor, Vice Chancellor for Academic Affairs, deans, department chairs of the Schools/College, and Video Communications Center director shall be responsible for the administration of this policy.

BASIS: Chancellor

John T. Park
Chancellor
PROPOSED RESOLUTION FOR APPOINTMENT OF PRESIDENT OF ACADEMIC COUNCIL

Background & Rationale:

Currently the Chancellor presently funds the Academic Council President at a ½ GTA appointment with some fixed summer funding; appointments on the other UM campuses range from 25% to 40% with summer remuneration.

Proposed Resolution:

The Chancellor increase the funding for the President of the Academic Council to a 1/4 Release Time Appointment during the regular Academic Year in addition to the present summer remuneration.
XXIX,4. The meeting was called to order at 1:35 P.M. by President Jerry Tien. One substitution was noted—Phil Thompson for Greg Gelles. Roll call was taken by the office secretary, and a quorum was proved. A motion was made and seconded to approve the minutes of the November 18, 1999 meeting as distributed. Motion carried.

1. REPORTS AND RESPONSES

A. PRESIDENT’S REPORT

1. President Tien gave an overhead presentation on the six items discussed at the January IFC meeting (See attached).
2. There was some discussion and comments concerning one of the items—Post Tenure Review. The question was asked—would the campus have input when a draft was brought back. Professor Lance Haynes volunteered to ask President Pacheco about this.

B. CHANCELLOR’S REPORT

1. Dr. Park gave an overhead presentation on Faculty salaries (See attached).

QUESTIONS AND ANSWERS

1. Professor Bruce Selberg said he was concerned about so many private schools being on the Comparator List. He stated that he didn’t feel it was a good Comparison group. Professor Selberg went on to say some don’t offer a Doctorate and that none of the comparisons say how UMR ranks in terms of NRC or US News and World Report.
2. Dr. Park replied that only two of the listed institutions don’t give a PHD.
3. Professor Tien commented that the other campuses in our system were expressing much concern.
4. Professor Selberg commented that they should look at the salaries per discipline.
5. Dr. Park said size of the schools is the major issue.
6. Professor Don Myers commented that we should include Science and Math (not just English), and then some others would come closer to comparing with UMR.
7. Dr. Park said he didn’t know how this information was going to be used, and that he needs to know “how they’re going to play the game.”
8. Professor Haynes commented that he thought the return from Early Retirements was to go to increased salaries. Dr. Park said this was true, but still have to figure out who, where, how much, etc.

.2 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Ken Robertson presented the EC1’s and CC1’s for approval. He made this a motion. There was a second and motion carried.

B. PERSONNEL-Professor Don Myers presented this report.

1. Professor Myers referred to the resolution on Video and Distance Learning that was distributed with the Agenda.
2. After elaborating on this resolution, Professor Myers moved to approve. There was a second. After one or two questions for clarification, motion carried.

C. STUDENT AFFAIRS-Mark Petrofska presented this report.

1. Professor Matt Insall’s suggestion on Final Exam Time Conflict was referred to RP&A.
2. Professor Haynes, chair of RP&A, invited all who were interested to attend a meeting to discuss this.

.3 OLD BUSINESS-No old business was presented.
4 NEW BUSINESS AND ANNOUNCEMENTS

A. Ms. Julie Crow spoke briefly for STUCO.

1. She said interviews were completed for Student Curator, and Stephen SUGG from UMC had been chosen.
2. She also mentioned the policy on drug notification.

B. Professor Len Koederitz presented the proposed resolution for appointment of President of Academic Council as it was distributed with the agenda.

1. Professor Koederitz moved to approve the resolution. Professor Lance Haynes seconded. Motion carried.

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.
1. Meal Reimbursement Policy

☐ IRS Does Not Prohibit Reimbursement;

☐ Can Be Handled at Each Individual Unit or Campus.

2. Comparator Institutions

☐ Concerns about How the Comparator List Is Generated and How Are They Going to Be Used

☐ A Necessary Exercise, but A Complicated Process to Generate a Truly Comparable List;

☐ Concerns about How the Comparator List Is Generated and How Are They Going to Be Used.
3. Post-Tenure Review

☐ The Committee Is Currently Being Formed;

☐ There Are No Fixed Ideas How the Final Format Will Turn out, although Some Desirable Features Should Include:

– Peer View Component; Should Be Part of the Total Review Process;

– Triggering Mechanism Needed;

– Interaction/Interim Reports Are Necessary; Suggested Date for Draft Proposal - Fall 2000

4. Warner Amendment in FERPA

☐ Parent Notification on Drug and Alcohol Related Issues;
It Is Desirable that All Campuses Have Consistent Policy, but Allows for Flexibility to Suit the Specific Campus Culture;

5. Extension of Probationary Period

Chancellor Should Have the Discretion to Grant Extension; the Decision Should Have No Adverse Effect on the Tenure Decision;

Application for Extension Must Be Submitted ahead of Time;

6. Early Retirement Program
Cumulative Faculty Allocation
Base Year FY91 (Fall 90)
Average 9-Month Faculty Salary (ranked regular and non-regular)

Dollars

FY91 FY92 FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00
Figure 2: Mean UM All Ranks Faculty Salary (1,000's of 1998 $'s)
Figure 5: UM-Rolla Faculty Salaries by Rank (1,000's of 1983 $'s)

Source: Office of Planning and Budget
University of Missouri System
Publication No. I999-9
December 30, 1999
Figure 13: Number of Faculty by Rank and Sex - UM Rolla

Source: Office of Planning and Budget
University of Missouri System

Publication No. IB99-9
December 20, 1999
### University of Missouri - Rolla Comparison Institutions

<table>
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<th></th>
<th>Carnegie Classification</th>
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<td>90%</td>
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## University of Missouri-Rolla Comparison Institutions

### Average Faculty Salary - Fall 1998

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<th>AAUP Faculty Salaries</th>
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<td>48.5</td>
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University of Missouri-Rolla Comparison Institutions
Professor AAUP Average Salary Fall 1998

- University of Missouri-Rolla: $83.4
- South Dakota School of Mines & Tech: $60.2
- Rose-Hulman Institute of Technology: $71.7
- Rensselaer Polytechnic Institute: $85.7
- Michigan Technological University: $76.1
- Kettering University: $65.0
- Colorado School of Mines: $68.3
- Clarkson University: $77.4
University of Missouri-Rolla Comparison Institutions
Associate Professor AAUP Average Salary Fall 1998

- University of Missouri-Rolla: $63.0
- South Dakota School of Mines & Tech: $48.5
- Rose-Hulman Institute of Technology: $59.1
- Rensselaer Polytechnic Institute: $61.6
- Michigan Technological University: $55.6
- Kettering University: $55.6
- Colorado School of Mines: $59.2
- Clarkson University: $57.8
University of Missouri-Rolla Comparison Institutions
Assistant Professor AAUP Average Salary Fall 1998

- University of Missouri-Rolla: $49.6
- South Dakota School of Mines & Tech: $41.8
- Rose-Hulman Institute of Technology: $53.5
- Rensselaer Polytechnic Institute: $55.2
- Michigan Technological University: $48.5
- Kettering University: $50.1
- Colorado School of Mines: $50.2
- Clarkson University: $53.6
For the information of the Academic Council, the following EC1s have been submitted by the University departments for an experimental course that will be offered in the near future. No action is needed by the Academic Council for these experimental courses.

Approved EC1s:
EC1 1078, Chemical Engineering 301, Industrial Chemical Processes. Approved for Fall 2000. 3 hours credit. The committee asked for a reasonable prerequisite to be added to this course. Dr. Morosoff, the instructor gave the prerequisites of Chem 221, Chem 241, and Chem Eng Junior or Senior standing.

EC1 1079, Electrical Engineering 201, Introduction to Communications Laboratory. Approved Fall 2000. 1 hour lab credit. Prerequisites: El Eng 261; preceded or accompanied by El Eng 243.

The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1s be approved.

Approved CC1s:
CC1 4804, Mining Engineering 383, Tunneling & Underground Construction Techniques. Approved new course for Fall 2000. 2 hours lecture and 1 hour lab. Prerequisites: Mi Eng 231 and Mi Eng 325, or Cv Eng 211, preceded or accompanied by Cv Eng 245, or Ge Eng 341. Description reads: Cover both mechanical excavation and conventional excavation techniques to underground tunneling and construction. The emphasis will be on equipment selection and prediction of performance expected of the equipment. Ground control systems will be covered as technology emerges. Excavation methods and support of large caverns, often found in civil structures, will also be discussed. A limited focus will be on underground construction specifications and underground advance rate and cost estimation techniques.
CC1 4805, Mining Engineering 110, Surveying for Mining Engineers. Approved for Winter 2000. Change in catalog description to: Principles of surface and underground survey practice utilizing total station, engineer's level and GPS. Traversing and details, note taking and computations, balancing surveys and error analysis, staking-out new points, and map construction with AutoCAD.

CC1 4806, Psychology 000. Bachelor of Science degree. Approved change in curriculum for Fall 2000. The requirement in the BS degree remained the same for requirements 1 through 7. In requirement #8, sub-requirements (b) and (c) were changed to read as follows: (b) Two additional courses from each of the following three areas of psychology: (1) Sensation and perception, cognitive, or neuroscience; (2) Learning, development, or social; (3) Abnormal, clinical, personality. (c) Electives from psychology to complete a requirement of 34 hours.

CC1 4807, Psychology 000. Bachelor of Arts degree. Approved change in curriculum for the Fall 2000. The requirements #1 and #4 in the BA degree remain the same. Requirements (2) and (3) were changed to read as follows: (2) Two additional courses from each of the following three areas of psychology: (a) Sensation and perception, cognitive, or neuroscience; (b) Learning, development, or social; (c) Abnormal, clinical, personality. (3) Electives from psychology to complete a requirement of 34 hours.

Keith Nisbett
Chair, UMR Campus Curricula Committee
Proposed Constitution for the University of Missouri-Rolla
Student Chapter of the Water Environment Federation and the Association of Environmental Engineers and Science Professors

Article I-Name

The name of this organization shall be the Student Chapter of the Water Environment Federation/Association of Environmental Engineers and Science Professors.

Article II-Purpose

Section 1:
This chapter shall be a not-for-profit organization.

Section 2:
This chapter shall provide an organization dedicated to the advancement of student interests in environmental studies, with emphasis on the engineering role in water environment.

Section 3:
This chapter shall strive to provide an avenue for the exchange of information and ideas between students and members of Missouri Water Environment Association, Association of Environmental Engineers and Science Professors, and the Water Environment Federation.

Section 4:
This chapter shall strive to educate the community on the importance of and the avenues to clean water.

Section 5:
In addition, we adopt by reference, the objectives as stated in the Water Environment Federation Constitution and By-Laws.

Article III-Affiliation

This organization is a student chapter of the Missouri Water Environment Association. The Missouri Water Environment Association is a member of the Water Environment Federation.

Article IV-Membership

Section 1:
Any student enrolled at the University of Missouri-Rolla, with an interest in the environment, shall be eligible for membership.
<table>
<thead>
<tr>
<th>Date of Passage</th>
<th>Subject</th>
<th>Referred To</th>
</tr>
</thead>
<tbody>
<tr>
<td>January, 2000</td>
<td>Resolution on Video/Distance Learning</td>
<td>Dr. Park</td>
</tr>
<tr>
<td>January, 2000</td>
<td>Academic Council President Appointment</td>
<td>Dr. Park</td>
</tr>
</tbody>
</table>
Minutes of the Academic Council Meeting
Thursday, February 17, 2000

The meeting was called to order at 1:35 P.M. by President Jerry Tien. Roll call was taken by the office secretary. Absent members were: Charles Morris, James Stone, Martin Bohner, Michael Meagher, Paul Worsey, Patrick Guinta, Richard Hall, Greg Gelles, Shubhender Kapila, S.N. Balakrishnan, K.M. Isaac, H.L. Tsai, Ron Frank, Susan Murray, Dr. Gajda, and Dean Mitchell. Substitutions noted were Levant Acar for Kelvin Erickson and Barbara Hale for Ronald Bieniek.

A motion was made by Don Myers and seconded by Lenn Koederitz to approve the minutes of the January 20, 2000 meeting as distributed. Motion carried.

1. REPORTS AND RESPONSES

A. PRESIDENT'S REPORT

1. As the IFC meeting has not yet been held this month, Professor Tien had nothing to report from that group.
2. President Tien explained briefly about President Pacheco’s call for names to be submitted to him for the Chancellor Search Committee. He then deferred to Professor Lance Haynes, chair of the R & A Committee, to explain the procedure that was followed.
3. Professor Haynes noted the very short time President Pacheco gave for this to be done, and then went on to say that R & A tried to handle it as fairly as possible in the allotted time.
4. Professor Tien informed the Council that the Board of Curators would be meeting here at UMR on March 23 and 24, with the Academic Council hosting a breakfast on the twenty-fourth. He also announced that the Academic Council web site is now up and running.

B. CHANCELLOR'S REPORT

1. Dr. Park reported that he had just come from the Brown Bag Series meeting, and that Dr. Debra Robinson had given some excellent retention ideas.
2. The Chancellor said UMR has a very good reputation for their handling of the Curators' meetings here, and the Council Breakfast is a big part of that. Also, this campus always has a good representation by students.
3. Dr. Park said the Senior Administrative Review will be on the web Monday, and that the passwords are now totally untraceable, allowing all Faculty and Staff to review administrators in their unit. He also added that there is a place to check whether Staff or Faculty.

4. Dr. Park announced the names of those who would be on the President’s Chancellor Search Committee. He said the President was concerned with the representatives being nominated by schools. He said Dr. Pacheco wanted them to be thinking of the interests of UMR as a whole, not just their school or college. Those appointed were: Jeff Cawfield (Chair); Keith Bailey; Frank Blum; Al Crosbie; Mariesa Crow; Harry Eisenman; Wayne Huebner; Andy Laegeler; Tony Nanni; Mo Qayouni; Catherine Riordan; Ben Strehman; Guy Horton, and Stephen Lehmkuhle.

5. The Chancellor announced that the first meeting of the Administrative Restructuring Committee would be next Tuesday, February 22.

6. Dr. Park mentioned the legislature’s discussions and interest in English Proficiency of teachers.
   a. He said Dr. Lehmkuhle is considering a survey of students, asking whether they have had a teacher whose lack of English Proficiency has impacted their ability to learn.
   b. Dr. Park said this should be noted in the initial interview for incoming Professors.
   c. There were comments from several Council members saying this would be unfair, unreasonable, and destructive.

2 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Ken Robertson moved to approve the report as distributed. Professor Lenn Koederitz seconded, and motion carried.

B. RULES, PROCEDURE, AND AGENDA-Professor Lance Haynes presented this report.
   1. Professor Haynes said he had mistakenly left the copy of Professor Matt Insall’s resolution off the agenda.
   2. At the request of Professor Insall, Professor Haynes elaborated on the issue of Final Exam Conflict and read the resolution. (See attached)
   3. Professor Haynes asked Laura Stoll, the registrar, for her comments. Ms. Stoll said she doesn’t see any real problems, and that, in her estimation, only three or four students in one course had been affected in two years.
   4. Professor Haynes said R P & A recommends against passage of this resolution.
   5. Professor Insall said it affected more than one class, and he still felt the resolution should be passed. He then moved to remove this issue from the table. Professor Dan White seconded. Motion carried with 11 for and 3 opposed.
6. Professor Insall moved to approve the resolution as read. Professor White seconded. After some discussion, vote was taken. Motion was defeated, with 7 for and 13 opposed.

C. STUDENT AFFAIRS-In the absence of Mark Petrofka, Julie Crow presented the Constitution of the UMR Student Chapter of the Water Environment Federation and the Association of Environmental Engineers and Science Professors for approval.
   1. Professor Joe Burken spoke in favor of approval.
   2. Professor Lenn Koederitz moved to approve, and Professor Matt Insall seconded. Motion carried.

.3 No old business was presented.

.4 NEW BUSINESS AND ANNOUNCEMENTS

A. STUDENT COUNCIL-Julie Crow briefly mentioned the upcoming Student Body Elections.

B. Professor Lenn Koederitz referred to the resolution sent out with the agenda concerning the Reorganization Committee.
   1. Dr. Park said this was inappropriate for this committee, and should be a concern of Budgetary Affairs.
   2. There were several comments from the floor stating that whatever this committee does affects money, and the resolution is to ensure that Faculty will have some voice in whether this money is used properly.
   3. Professor Bruce Selberg moved to approved the resolution. Professor Don Myers seconded.
   4. Professor Neil Book asked that the words “Reorganization Committee” be changed to “Administrative Restructuring Committee. This was accepted as a friendly amendment.
   5. After more discussion, Professor Matt Insall suggested the resolution not be restricted to early retirement funds. This was also accepted as a friendly amendment, and the resolution was reworded as attached. Vote was then taken, and motion carried.
C. REFERRALS—President Tien mentioned the referrals listed on the agenda. After some discussion, it was decided to refer the first one to the Tenure Committee also, and on the fourth referral to send it to Student Affairs rather than Curricula.

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.
Proposed Amendment to the Student Academic Regulations

1 Proposal Statement

We propose that the following change in section VII-5 (page 19) of the Student Academic Regulations be made:

Replace the third sentence,

"If you have a conflict between two final examinations, the subject regularly scheduled for the year in which you are classified shall take precedence, and the department teaching the other subject shall arrange a special examination for you upon verification of the Registrar."

by

"If you have a conflict between two final examinations, and if one of the courses is a prerequisite for the other, the prerequisite course shall take precedence, and the department teaching the other course shall arrange a special examination for you upon verification of the Registrar. If the courses are independent, the subject regularly scheduled for the year in which you are classified shall take precedence, and the department teaching the other course shall arrange a special examination for you upon verification of the Registrar."

2 Justifications

- Section II-11c (page 14) mentions petitions for permission to schedule courses for which the student does not have the prerequisite, so such things are possible.

- If special permission is required to be in a course, that course ought to make allowances at final exam time, and if the student is "illegally" enrolled in a course for which he or she does not have a prerequisite, the department teaching the prerequisite course ought not to suffer for someone else's oversight.

- Students who "illegally" take courses out of sequence may not realize what subjects should be mastered in order to master a later course. Misconceptions of this type may adversely affect their performance in later courses.

- Generally, more courses require a given prerequisite course than any course that requires it, so that "special examinations" in a prerequisite course have the potential to affect more students than in a later course.

3 Analogous Precedent

- Section III-4 (page 15) states that when making out a schedule, back work "must be scheduled first", which establishes the priority of the prerequisite course.
Be it resolved by the Academic Council that an additional duty of elected faculty members of the Administrative Restructuring Committee is to represent faculty interests in the allocation of all available funds, including those resulting from early retirements of university personnel.
I. Approval of minutes of the April 20, 2000 meeting

II. Reports and Responses

A. President’s Report (5 min.)  Don Myers

B. Chancellor’s Report (10 min.)  John Park
   (10 minutes for Questions and Answers)

III. Reports of Standing and Special Committees

A. Curricula (10 min.)  Charles Morris
   1. *Reports No. 9 & 10

B. Rules, Procedure and Agenda (10 min.)  Lance Haynes
   1. Committee Elections

IV. Old Business

A. *Action Items

V. New Business and Announcements

A. Staff Council
B. Student Council
C. Referrals
   1. Bonus plan issue to Personnel

*Information distributed with agenda
The UMR Campus Curricula Committee recommends to the Academic Council that the new degree programs on the following CC1s be approved.


CC1 4831, Chemistry. New Bachelor of Arts degree program in Chemistry. Approved B.A. degree program for FS2000.


The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1s be approved.

CC1 4848, Civil Engineering 001, Fundamentals of Surveying and Introduction to Civil Engineering. Approved changes for FS2000. Change in course title from "Fundamentals of Surveying." Change in catalog description to: theory and application of principles of plane surveying, and introduction to Civil Engineering. Includes use of conventional, and electronic surveying instruments and techniques, computations, and construction surveying. Introductions provided for areas of Civil Engineering and expectations for students and graduates.

CC1 4849, Biological Sciences 370, Toxicology. Approved new course for WS2001. 3 hours credit. Prerequisites: Bio Sc 211 plus either Bio Sc 21 or 242. Description: A study of natural and man-made toxicants, various possible routes of exposure, absorption, distribution, biotransformation, specific target sites, and mechanisms involved in elicitation of toxic effects, as well as detoxification and excretion.
CC1 4850, Biological Sciences 402, Problems in Applied and Environmental Biology. Approved new course for FS2001. 2 hours credit. Prerequisite: Acceptance to Graduate Program. Description: Overview of major areas of research in applied biology and environmental science with a focus on interdisciplinary approaches used on UMR campus in ongoing research.

CC1 4851, Biological Sciences 410, Graduate Seminar. Approved new course for FS2001. Variable hours credit. Description: Presentation and discussion of current topics in Applied and Environmental Biology.

CC1 4852, Biological Sciences 418, Plant Stress Physiology. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 211, Bio Sc 218 and 219 and Chem 361. Description: Course covers plant responses to environmental stress. Physiological anatomical, biochemical and molecular responses to both biotic and abiotic stresses.

CC1 4853, Biological Sciences 421, Advanced Microbial Metabolism. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 221 or an equivalent course. Description: A survey of the diverse metabolic properties of microorganisms. Course material will emphasize major metabolic pathways and how they relate to microbial diversity and microbial ecology.

CC1 4854, Biological Sciences 422, Biomolecules. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 211 and/or Chem 361 or an equivalent course. Description: Demonstration of the principles of modern biochemistry as they relate to the structure and function of the major macromolecules of the cell. An emphasis will be placed on reading and interpreting scientific literature and scientific writing.

CC1 4855, Biological Sciences 442, Mammalian Physiology. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 211 plus either Bio Sc 215 or Bio Sc 242. Description: Advanced study of the physiology of mammalian organ systems with a focus on membrane biophysics, endocrine control of metabolism, organ interactions, and homeostatic mechanisms.

CC1 4856, Biological Sciences 451, Environmental Microbiology. Approved new course for FS2001. 3 hours credit. Prerequisites: Must be a graduate student. Description: topics to be explored in this course will include but are not limited to microbial growth and metabolic kinetics, life in extreme conditions, biogeochemical cycling, bioremediation of contaminants, waterborne pathogens and environmental biotechnology.

CC1 4857, Biological Sciences 452, Space Biology. Approved new course for FS2001. 3 hours credit. Prerequisite: Graduate Standing. Description: The origins of life on early earth and the possibility of life on extraterrestrial bodies will be explored. In addition, the instruments and methods to carry out space travel, necessary for studying the possibility of extraterrestrial life.

CC1 4858, Biological Sciences 455, Bioremediation. Approved new course for FS2001. 3 hours credit. Prerequisite: Graduate Standing. Description: During this course, the use of microorganisms and other living organisms for the remediation of contaminated environments will be explored along with the techniques necessary for monitoring their activities.
CC1 4859, Biological Sciences 461, Advanced Cell Biology. Approved new course for WS2001. 3 hours credit. Prerequisites: Bio Sc 211 or equivalent. Description: Advanced study of the biology of eukaryotic cells, including biomembranes and membrane transport, subcellular organelles, cellular energetics, protein sorting, cytoskeletal elements, cell to cell signaling, regulation of the cell cycle, and tissue organization.

CC1 4860, Biological Sciences 475, Techniques in Applied and Environmental Biology. Approved new course for FS2001. 3 hours credit. Prerequisite; Graduate Standing. Description: Students will have the opportunity for hands on experience with the various techniques used in the modern biology laboratory. Techniques will include gene cloning, DNA sequencing, protein purification, growth and development of various model organisms, data acquisition.

CC1 4861, Biological Sciences 490, Graduate Research. Approved new course for FS2001. Variable credit hours. No prerequisites. Description: Investigation of an advanced nature leading to the preparation of a thesis or dissertation.

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CC1 4865, Economics 415, Advanced Mathematical Economics. Approved new course for FS2000. 3 hours credit. Prerequisites: Econ 221, 222 and Math 8, Math 203. Description: Marginal analysis, calculus, and linear algebraic systems are applied in selected advanced topics in economics such as price theory, general equilibrium theory, input-output analysis, activity analysis, and game theory. This course is an advanced version of Econ 315, and will include additional research and project assignments. Credit cannot be obtained for both Econ 315 and Econ 415.

CC1 4866, Economics 421, Advanced Finance. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221 or Econ 222. Description: This course provides a rigorous and consistent presentation of the theory of financial decisions. Capital markets are analyzed under assumptions of risk aversion and uncertainty. Models of modern portfolio theory are discussed including the CAPM and the Modigliani-Miller analysis. This course is an advanced version of Econ 321, and will include additional research and project assignments. Credit cannot be obtained for both Econ 321 and Econ 421.

CC1 4867, Economics 422, Advanced International Trade. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Analysis of gains from trade; the effects of factor mobility; effects of trade restrictions on trade flow and income distribution; arguments for restricting trade; and effects of trade on economic development, employment and human capital development. This course is an advanced version of Econ 322, and will include additional research and project assignments. Credit cannot be obtained for both Econ 322 and Econ 422.

CC1 4868, Economics 423, Advanced International Finance. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 222. Description: Examination of the international monetary system, the Balance of Payments, the foreign exchange market, futures and options markets; foreign exchange and other risk management for firms, financing from a global perspective and direct foreign investment. This
course is an advanced version of Econ 323, and will include additional research and project assignments. Credit cannot be obtained for both Econ 323 and Econ 423.

CC1 4869, Economics 435, Advanced Cost-Benefit Analysis. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Investigates the rationale for cost-benefit analysis within a free enterprise setting. Discussion of market efficiency and failure; determination of social costs and benefits; applications of cost-benefit analysis; and, problems remaining in theory and practice. This course is an advanced version of Econ 335, and will include additional research and project assignments. Credit cannot be obtained for both Econ 335 and Econ 435.

CC1 4870, Economics 440, Advanced Environmental and Natural Resources Economics. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Optimum use of replenishable and non-replenishable resources, public goods and common resources, externalities, private vs. public costs, and quality of the environment; emphasis on public policy related to environmental and natural resource economics. This course is an advanced version of Econ 340, and will include additional research and project assignments. Credit cannot be obtained for both Econ 340 and Econ 440.

CC1 4871, Economics 445, Advanced Energy Economics. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Market structures. World resource development. Supply and demand analysis on energy production and consumption within domestic and global settings. This course is an advanced version of Econ 345, and will include additional research and project assignments. Credit cannot be obtained for both Econ 345 and Econ 445.

CC1 4872, Economics 475, Advanced Labor Economics. Approved new course for FS2000. 3 hours credit. Prerequisites: Econ 221 or Econ 222. Description: Labor as a factor of production, collective bargaining, trade unionism, labor legislation, from the viewpoint of public policy. This course is an advanced version of Econ 375, and will include additional research and project assignments. Credit cannot be obtained for both Econ 375 and Econ 475.

For the information of the Academic Council, the following EC1s have been submitted by the University departments for an experimental course that will be offered in the near future. No action is needed by the Academic Council for these experimental courses.

Approved EC1s:
EC1 1097, Mining Engineering 401, Contract Management. Approved for FS2000. 2 hours lecture and 1 hour lab. No prerequisites.

EC1 1101, Geology 301, Advanced Physical Geology. Approved for SS2000. 3 hours credit. No prerequisites. This course is to be offered as part of an agreement with the U.S. Army Engineer School at Fort Leonard wood. The normal circulation period for this EC1 was waived, with approval of the Deans, to accommodate the scheduling requirements of the agreement with the U.S. Army Engineer School.

J. Keith Nisbett, Chair
The UMR Campus Curricula Committee recommends to the Academic Council that the new degree program on the following CC1 be approved.

Review of proposed CC1 4703, Bachelor's degree program in Business Administration. The committee received a revised version of the proposed degree program from the committee to which it had been referred at the May 1 meeting. Greg Gelles and Don Myers described the revisions to address previous concerns of the Curricula committee. Several concerns were expressed from members of the committee, primarily dealing with optimizing the likelihood of final approval. Henry Wiebe presented some potential technical stems which could be implemented within the free electives of the program to increase the distinction between this program and other Business programs. The Business Administration proposed degree program was approved for FS2000, along with the following recommendations from the Curricula committee: 1) In the curriculum outline, include the course titles with the course numbers to make it clear which courses are Business courses. 2) Identify and be prepared to move 9 credits from the core courses to the general education courses, bringing the general education portion to the accrediting organization's suggestion of 50% of the total program. 3) Pursue the idea of technical stems within the 10 hours currently allotted to free electives, being prepared to offer such a plan if it seems expedient to increase the distinction of this program from other Business programs in the state.

The committee discussed the "Repeated course grade" rule in the Rules and Regulations Handbook. The Academic Council had requested that this committee recommend a modification to the rule that would provide for the current Math placement for Freshmen, regardless of other courses transferred in from other schools. The Curricula committee passed a motion recommending adding the words "at UMR" to the first sentence of Section III-8 of the Student Academic Regulations such that it reads as follows: "A student may not enroll in a course for credit if he or she has completed the course at UMR in a previous semester and earned a grade of 'C' or higher." This would allow for any transfer courses and dual credit high school courses to be repeated. The committee notes that there was interest expressed in modifying or eliminating the restriction on repeating courses, but the committee did not deem it wise to make such a significant modification under short notice during the summer while fixing an immediate problem.
For the information of the Academic Council, the following EC1s have been submitted by the University departments for an experimental course that will be offered in the near future. No action is needed by the Academic Council for these experimental courses.

EC1 1099, Basic Engineering 401, Modern Product Design. Approved for FS2000. 3 hours credit. Prerequisites: Mc Eng/Ae Eng/EMech 350 or Mc Eng 308. Co-listed with Mc Eng 401, EC1 1110, Modern Product Design.


EC1 1102, English 301, The Lifes story from the Twentieth-Century American Continent. Approved for WS2001. 3 hours credit. Prerequisites: English 20 and 1 semester of college lit.

EC1 1103, History 201, History of Mexico. Approved for FS2001. 3 hours credit. Prerequisites: History 175 or 176.

EC1 1104, Education 301, Cooperative Teaching Seminar. Approved for SS2000. 3 hours credit. Prerequisite: Graduate standing.

EC1 1110, Mechanical Engineering 401, Modern Product Design. Approved for FS2000. 3 hours credit. Prerequisites: Mc Eng/Ae Eng/Emech 350 or Mc Eng 308. Co-listed with Bas En 401, EC1 1099, Modern Product Design.

The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1s be approved.


CC1 4842, Computer Engineering 404, Data Mining and Knowledge Discovery. (Co-listed with Eng Mg and Cmp Sc 404) Approved new course for FS2000. 3 hours credit. Prerequisites: Cmp Sc 304 or 347, Stat 215. Description: Data mining and knowledge discovery utilized both classical and new algorithms, such as machine learning and neural networks, to discover previously unknown relationships in data. Key data mining issues to be addressed include knowledge representation and knowledge acquisition (automated learning).

CC1 4343, Engineering Management 404, Data Mining and Knowledge Discovery. (Co-listed with Cp Eng 404 and Cmp Sc 404) Approved new course for FS2000. 3 hours credit. Prerequisites: Cmp Sc 304 or 347, Stat 215. Description: Data mining and knowledge discovery utilized both classical and new algorithms, such as machine learning and neural networks, to discover previously unknown relationships in data.

CC1 4844, Metallurgical Engineering 459, Advanced Environmental Aspects of Metallurgy. Approved new course for FS2000. 3 hours credit. Prerequisite: Graduate standing. Description: Studies of environmental aspects of metal extraction, melting, refining, casting, and forming. Subjects covered will include regulations, permitting, risk analysis, disposal and recycling.
CC1 4845, Statistics 306, Making Sense of Data for Middle School Teachers. Approved new course for SS2000. 3 hours credit. No prerequisites. Description: An activity based course that is intended to provide middle school teachers with skills necessary to implement the Probability & Statistics strand of the American Statistical Association of the National Council of Teachers of Mathematics (NCTM) joint.

CC1 4846, Making Sense of Data for High School Teachers. Approved new course for SS2000. 3 hours credit. No prerequisites. Description: An activity based course that is intended to provide high school teachers with the skills necessary to implement the Probability & Statistics strand of the American Statistical Association of the National Council of Teachers of Mathematics (NCTM) joint.

CC1 4863, Computer Engineering 000. Changes in the Curriculum. Approved for FS2000. All proposed changes are to alleviate scheduling problems. There are no fundamental change in the curriculum content. Corrections of errors made in the footnotes.

CC1 4864, Computer Engineering 318, Digital System Modeling. Approved for WS2001. Changes in prerequisites from Cp Eng 111 or Cmp Sc 253 "TO" Cp Eng 111 and Cp Eng 112 or Cmp Sc 234. Change in description to: Digital system modeling for simulation, synthesis, and rapid system prototyping. Structural and behavioral models, concurrent and sequential language elements, resolved signals, generics, configuration, test benches, processes and case studies.

CC1 4873, History 357, The History of the West. Approved for FS2000. Change in description to: This class examines the American settlement of the Trans-Mississippi West. Areas to be considered include cattle, mining, exploring, Women, and Native Americans. Traditional and contemporary views of the West will be analyzed.

CC1 4874, Civil Engineering 217, Structural Analysis I. Approved new course for FS2000. 2 hours lecture and 1 hour lab. Prerequisites: Bas En 50, 110 each with a grade of “C” or better. Description: Loads on Structures. Analysis of statically determinate and indeterminate beams, frames and trusses. Influence lines and moving loads. Computation of deflections. Development and use of theorems of displacement methods including slope-deflection and moment distribution to analyze statically indeterminate structures. Computer solutions.

CC1 4875, Civil Engineering 247, Ethical, Legal and Professional Engineering Practice. Approved changes for FS2000. Change in course number to 247 “FROM” 249. Change in course title “FROM” Legal/Professional Aspect of Engineering Practice. Change in credit hours from 3 hours lecture “TO” 2 hours lecture. Change in description to: Discussions of laws concerning contracts, torts, agencies, real property, partnerships, and corporations. The purposes and implications of the engineering registration law, the effect of legal, ethical and marketing considerations of the practice of Civil Engineering.
CC 4876, Civil Engineering 248, Introduction to Contracts and Construction Engineering. Approved changes for FS2000. Change in course number to 248 “FROM” 245. Change in course title “FROM” Construction Engineering. Change in credit hours from 2 hours lecture “TO” 3 hours lecture. Change in prerequisites from Senior standing “TO” Cv Eng 247. Change in description to: Introduction to the concepts and techniques used in large construction projects for the preparation of engineer service contracts, the development of a project manual, detailed and conceptual cost estimating, and construction scheduling and analysis.

CC 4877, Civil Engineering 298, Civil Engineering Design Project. Approved new course for FS2000. 3 hours credit. Prerequisites: To be taken in the final semester, Cv Eng 248. Description: Open-ended design projects involving one or more areas of civil engineering. Planning design projects, philosophy of design, and application of civil engineering principles to design problems.

CC 4878, Ceramic Engineering 090, The Ceramic Experience. Approved new course for WS2001. 1 hour lab. Prerequisite: Freshman Standing. Description: Hands-on experience with the fun of discovery through experimentation in the fabrication, properties and applications of ceramics in the modern world.

CC 4879, Ceramic Engineering 315, Organic Additives in Ceramic Processing. Approved new course for WS2001. 3 hours credit. Prerequisites: Cr Eng 203 and 231. Description: Basic chemistry, structure and properties or organic additives used in the ceramics industry; solvents, binders, plasticizers, dispersants. Use of organic additives in ceramic processing.

CC 4880, Ceramic Engineering 362, Thermomechanical/Electrical/Optical Properties Lab. Approved changes for WS2001. Change in course title “From” Thermal and Mechanical Properties Lab. Change in prerequisites from Bas Eng 110 “TO” Bas Eng 110 or Cr Eng 284. Change in description to: Laboratory consisting of three separate modules of experiments for the characterization of the thermomechanical, electrical and optical properties of ceramics. The student will choose one of the three modules.

CC 4881, Ceramic Engineering 000. Approved curricula changes for FS2000. Cr Eng 315 replaces El Eng 282 in the second semester, Senior year. Cr Eng 362 has a new course title, Thermomechanical/Electrical/Optical Properties Lab. Sophomore year, second semester, Math 204 or State 320 or State 353 replaces Math 204. Addition of a new one hour course, Cr Eng 90, The Ceramic Experience, taken in the second semester of the sophomore year. The total hours are now 135 from 134.

CC 4882, Management Systems 000. Approved new emphasis area for FS2000. Entrepreneurship Emphasis Area for a total of 15 credit hours.

CC 4483, Civil Engineering 000. Approved curriculum changes for FS2000. Curriculum changes needed to bring program requirements more in line with those of ABET EC2000.

Keith Nisbett, Chair
ACADEMIC COUNCIL

ACTION ITEMS

Date of Passage  
Subject  
REFERRED TO

January, 2000  Resolution on Video/Distance Learning  Dr. Park
January, 2000  Academic Council President Appointment  Dr. Park
The meeting was called to order at 1:35 P.M. by President Jerry Tien. Three substitutions were noted: Wise for Swenson, Finash for Selberg, and Nystrom for Murray.

Professor Lance Haynes moved to approve the minutes of the February 17, 2000 meeting as distributed. Professor Lenn Koederitz seconded and motion carried.

.1 REPORTS AND RESPONSES

A. PRESIDENT’S REPORT

1. Professor Tien said the Academic Council Breakfast for the Board of Curators went well.
2. President Tien said he was not able to attend the March IFC meeting, so he asked Don Myers to report on that.
   a. Professor Myers said the grievance issue was discussed, and, at system level, there is an effort to find ways to train leaders on each campus to stop the problems before they reach the grievance stage.
   b. Two speakers from the UM Legal Office were at the IFC meeting and addressed issues concerning FERPA of 1974 (concerning students’ rights on their records and also students on camera for distance learning).
   c. Transfer credits were also discussed, but here at UMR, this has already been referred to the Curricula Committee.
3. There was a question from the floor as to whether the Council should invite Larry George to report on the Campus Mediation Project. There was an affirmative response to this.
4. There was also a question concerning English Proficiency in the classroom. Professor Tien gave some statistics on this, and
he said they would later be posted on the Academic Council Website.

5. Professor Tien then asked Professor Jeff Cawlfied to report on the progress of the Chancellor Search.
   a. Professor Cawlfied said he cannot give details at this point, but that President Pacheco asked for three to five names from which to choose. He said the finalists would be coming here about May 5, and would need to meet with campus leaders.

B. VICE-CHANCELLOR’S REPORT

1. Dr. Gajda presented this report as Dr. Park had obligations elsewhere.
2. The Vice-Chancellor said he doesn’t comprehend the pressure about the grievance issue for our campus; as, in seven years, only two grievances have come to him.
3. Dr. Gajda spoke about the General Education Transfer Credits. He said the community colleges feel disrespected by the University Campuses, and want a policy that would be used. UMR already has agreements in place that will probably suffice.
4. The Vice Chancellor said Dr. Park asked him to convey his “irritation” concerning the two draft resolutions that were sent out prior to this meeting. He said Dr. Park had two open meetings (and two more coming up), which were poorly attended.
5. On the salary and wage principles from President Pacheco, the Vice Chancellor said the word was a 3% average increase in E & E, and 4% in Salary and wage for four employee groups (he said he would seek clarification on this).
6. Dr. Gajda spoke on the English Proficiency issue. He said his advice is to let them do the legislation, as it would be declared unconstitutional.
QUESTIONS AND ANSWERS

1. Professor Don Myers said at IFC there was a discussion of a Raise Pool, and that the other campuses have developed a policy to look at the review process for raises (new and different policy). He asked if that was being done here.
   a. Dean Saperstein said there had been no discussion with the Chancellor on this.

2. Professor Jay Gragg asked if there were anything new on Post Tenure Review.
   a. Professor Myers answered that the results would soon be sent to the other campuses for comments, with a decision to come about October.

.2 STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Charles Morris presented this report.
   1. Professor Morris presented the EC1’s for information only.
   2. Professor Morris moved to approve the CC1’s as distributed. Professor Lenn Koederitz seconded and motion carried.

B. RULES, PROCEDURE AND AGENDA-This report was presented by Professor Lance Haynes.
   1. Professor Haynes moved to approve Resolution #1 as it was distributed previously. He also read it aloud. There was a second by Professor Jay Gragg and motion carried.
      (See attached)
   2. Professor Haynes read aloud and moved to approve Resolution #2 as distributed. There was a second by Professor Gragg.
      Dr. Gajda offered a friendly amendment to take out the section about sending it to the President. This was not accepted. Vote was then taken. Motion carried with one opposed (Dr. Gajda).

C. STUDENT AFFAIRS-This brief report was presented by Mr. Mark Potrafka, who stated that he felt the Afternoon Class Scheduling issue needs to be dropped.

.3 No old business was presented.

.4 NEW BUSINESS AND ANNOUNCEMENTS
A. STAFF COUNCIL-Mr. Ben Strehlman gave this report.
   1. Mr. Strehlman mentioned a recent successful fund raiser for the March of Dimes.
   2. Staff Day was announced as May 24. Mr. Strehlman said all are welcome to participate. He also asked Faculty who would volunteer to serve to contact him.
B. Professor Lance Haynes asked for a vote to reconsider his former motion on Resolution #2. Professor Gregg Gelles seconded, and motion carried.
   1. Professor Haynes then moved to approve the resolution, removing the words “and to President Pacheco”. Professor Matt Insall seconded and motion carried. (See attached)
C. STUDENT COUNCIL-Mr. Joe Maul introduced himself as the new representative to R, P & A and Academic Council and announced the list of new officers.
   1. Mr. Cody May mentioned Marriott’s new higher prices, and suggested that Faculty talk to them about it.
   2. Professor Ken Robertson asked if the rumor was true that Marriott is putting all employees on part-time to avoid benefits. No one knew the answer to this. He said when Marriott was given the contract, they promised to give comparable benefits to those given UMR employees.
   3. Professor Haynes suggested that R, P & A present a resolution on this.
D. Professor Tien mentioned the referrals that were listed on the agenda.

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.*
I. Approval of minutes of the April 20, 2000 meeting

II. Reports and Responses

A. President’s Report (5 min.) Don Myers

B. Chancellor’s Report (10 min.) John Park
   (10 minutes for Questions and Answers)

III. Reports of Standing and Special Committees

A. Curricula (10 min.) Charles Morris
   1. Reports No. 9 & 10

B. Rules, Procedure and Agenda (10 min.) Lance Haynes
   1. Committee Elections

IV. Old Business

A. *Action Items

V. New Business and Announcements

A. Staff Council
B. Student Council
C. Referrals
   1. Bonus plan issue to Personnel

*Information distributed with agenda
The UMR Campus Curricula Committee recommends to the Academic Council that the new degree programs on the following CC1s be approved.


CC1 4831, Chemistry. New Bachelor of Arts degree program in Chemistry. Approved B.A. degree program for FS2000.


The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1s be approved.

CC1 4848, Civil Engineering 001, Fundamentals of Surveying and Introduction to Civil Engineering. Approved changes for FS2000. Change in course title from "Fundamentals of Surveying." Change in catalog description to: theory and application of principles of plane surveying, and introduction to Civil Engineering. Includes use of conventional, and electronic surveying instruments and techniques, computations, and construction surveying. Introductions provided for areas of Civil Engineering and expectations for students and graduates.

CC1 4849, Biological Sciences 370, Toxicology. Approved new course for WS2001. 3 hours credit. Prerequisites: Bio Sc 211 plus either Bio Sc 21 or 242. Description: A study of natural and man-made toxicants, various possible routes of exposure, absorption, distribution, biotransformation, specific target sites, and mechanisms involved in elicitation of toxic effects, as well as detoxification and excretion.
CCl 4850, Biological Sciences 402, Problems in Applied and Environmental Biology. Approved new course for FS2001. 2 hours credit. Prerequisite: Acceptance to Graduate Program. Description: Overview of major areas of research in applied biology and environmental science with a focus on interdisciplinary approaches used on UMR campus in ongoing research.


CCl 4852, Biological Sciences 418, Plant Stress Physiology. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 211, Bio Sc 218 and 219 and Chem 361. Description: Course covers plant responses to environmental stress. Physiological anatomical, biochemical and molecular responses to both biotic and abiotic stresses.

CCl 4853, Biological Sciences 421, Advanced Microbial Metabolism. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 221 or an equivalent course. Description: A survey of the diverse metabolic properties of microorganisms. Course material will emphasize major metabolic pathways and how they relate to microbial diversity and microbial ecology.

CCl 4854, Biological Sciences 422, Biomolecules. Approved new course for FS2001. 3 hours credit. Prerequisites: Bio Sc 211 and/or Chem 361 or an equivalent course. Description: Demonstration of the principles of modern biochemistry as they relate to the structure and function of the major macromolecules of the cell. An emphasis will be placed on reading and interpreting scientific literature and scientific writing.

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CCl 4856, Biological Sciences 451, Environmental Microbiology. Approved new course for FS2001. 3 hours credit. Prerequisite: Must be a graduate student. Description: topics to be explored in this course will include but are not limited to microbial growth and metabolic kinetics, life in extreme conditions, biogeochemical cycling, bioremediation of contaminants, waterborne pathogens and environmental biotechnology.

CCl 4857, Biological Sciences 452, Space Biology. Approved new course for FS2001. 3 hours credit. Prerequisite: Graduate Standing. Description: The origins of life on early earth and the possibility of life on extraterrestrial bodies will be explored. In addition, the instruments and methods to carry out space travel, necessary for studying the possibility of extraterrestrial life.

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CC1 4859, Biological Sciences 461, Advanced Cell Biology. Approved new course for WS2001. 3 hours credit. Prerequisites: Bio Sc 211 or equivalent. Description: Advanced study of the biology of eukaryotic cells, including biomembranes and membrane transport, subcellular organelles, cellular energetics, protein sorting, cytoskeletal elements, cell to cell signaling, regulation of the cell cycle, and tissue organization.

CC1 4860, Biological Sciences 475, Techniques in Applied and Environmental Biology. Approved new course for FS2001. 3 hours credit. Prerequisite; Graduate Standing. Description: Students will have the opportunity for hands on experience with the various techniques used in the modern biology laboratory. Techniques will include gene cloning, DNA sequencing, protein purification, growth and development of various model organisms, data acquisition.

CC1 4861, Biological Sciences 490, Graduate Research. Approved new course for FS2001. Variable credit hours. No prerequisites. Description: Investigation of an advanced nature leading to the preparation of a thesis or dissertation.

CC1 4862, Mining Engineering 000. Approved changes in curriculum for FS2000. (1) Replace Geo 113 with Geo 125. (2) Add Mt Eng 242-1 hour. (3) Delete Bas En 120 and Mt Eng 121. (4) Add two electives to curriculum to maintain total hours at 138.

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course is an advanced version of Econ 323, and will include additional research and project assignments. Credit cannot be obtained for both Econ 323 and Econ 423.

CC1 4869, Economics 435, Advanced Cost-Benefit Analysis. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Investigates the rationale for cost-benefit analysis within a free enterprise setting. Discussion of market efficiency and failure; determination of social costs and benefits; applications of cost-benefit analysis; and, problems remaining in theory and practice. This course is an advanced version of Econ 335, and will include additional research and project assignments. Credit cannot be obtained for both Econ 335 and Econ 435.

CC1 4870, Economics 440, Advanced Environmental and Natural Resources Economics. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Investigates the rationale for cost-benefit analysis within a free enterprise setting. Discussion of market efficiency and failure; determination of social costs and benefits; applications of cost-benefit analysis; and, problems remaining in theory and practice. This course is an advanced version of Econ 335, and will include additional research and project assignments. Credit cannot be obtained for both Econ 335 and Econ 435.

CC1 4871, Economics 445, Advanced Energy Economics. Approved new course for FS2000. 3 hours credit. Prerequisite: Econ 221. Description: Optimum use of replenishable and non-replenishable resources, public goods and common resources, externalities, private vs. public costs, and quality of the environment; emphasis on public policy related to environmental and natural resource economics. This course is an advanced version of Econ 340, and will include additional research and project assignments. Credit cannot be obtained for both Econ 340 and Econ 440.

CC1 4872, Economics 475, Advanced Labor Economics. Approved new course for FS2000. 3 hours credit. Prerequisites: Econ 221 or Econ 222. Description: Labor as a factor of production, collective bargaining, trade unionism, labor legislation, from the viewpoint of public policy. This course is an advanced version of Econ 375, and will include additional research and project assignments. Credit cannot be obtained for both Econ 375 and Econ 475.

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EC1 1097, Mining Engineering 401, Contract Management. Approved for FS2000. 2 hours lecture and 1 hour lab. No prerequisites.

EC1 1101, Geology 301, Advanced Physical Geology. Approved for SS2000. 3 hours credit. No prerequisites. This course is to be offered as part of an agreement with the U.S. Army Engineer School at Fort Leonard wood. The normal circulation period for this EC1 was waived, with approval of the Deans, to accommodate the scheduling requirements of the agreement with the U.S. Army Engineer School.

J. Keith Nisbett, Chair
Memo To: Academic Council
From: UMR Campus Curricula Committee
Re: Meeting of May 31, 2000
Date: June 1, 2000

The UMR Campus Curricula Committee recommends to the Academic Council that the new degree program on the following CC1 be approved.

Review of proposed CC1 4703, Bachelor's degree program in Business Administration. The committee received a revised version of the proposed degree program from the committee to which it had been referred at the May 1 meeting. Greg Gelles and Don Myers described the revisions to address previous concerns of the Curricula committee. Several concerns were expressed from members of the committee, primarily dealing with optimizing the likelihood of final approval. Henry Wiebe presented some potential technical stems which could be implemented within the free electives of the program to increase the distinction between this program and other Business programs. The Business Administration proposed degree program was approved for FS2000, along with the following recommendations from the Curricula committee: 1) In the curriculum outline, include the course titles with the course numbers to make it clear which courses are Business courses. 2) Identify and be prepared to move 9 credits from the core courses to the general education courses, bringing the general education portion to the accrediting organization's suggestion of 50% of the total program. 3) Pursue the idea of technical stems within the 10 hours currently allotted to free electives, being prepared to offer such a plan if it seems expedient to increase the distinction of this program from other Business programs in the state.

The committee discussed the "Repeated course grade" rule in the Rules and Regulations Handbook. The Academic Council had requested that this committee recommend a modification to the rule that would provide for the current Math placement for Freshmen, regardless of other courses transferred in from other schools. The Curricula committee passed a motion recommending adding the words "at UMR" to the first sentence of Section III-8 of the Student Academic Regulations such that it reads as follows: "A student may not enroll in a course for credit if he or she has completed the course at UMR in a previous semester and earned a grade of 'C' or higher." This would allow for any transfer courses and dual credit high school courses to be repeated. The committee notes that there was interest expressed in modifying or eliminating the restriction on repeating courses, but the committee did not deem it wise to make such a significant modification under short notice during the summer while fixing an immediate problem.
For the information of the Academic Council, the following EC1s have been submitted by the University departments for an experimental course that will be offered in the near future. No action is needed by the Academic Council for these experimental courses.

EC1 1099, Basic Engineering 401, Modern Product Design. Approved for FS2000. 3 hours credit. Prerequisites: Mc Eng/Ae Eng/Emech 350 or Mc Eng 308. Co-listed with Mc Eng 401, EC1 1110, Modern Product Design.


EC1 1102, English 301, The Lifestory from the Twentieth-Century American Continent. Approved for WS2001. 3 hours credit. Prerequisites: English 20 and 1 semester of college lit.

EC1 1103, History 201, History of Mexico. Approved for FS2001. 3 hours credit. Prerequisites: History 175 or 176.

EC1 1104, Education 301, Cooperative Teaching Seminar. Approved for SS2000. 3 hours credit. Prerequisite: Graduate standing.

EC1 1110, Mechanical Engineering 401, Modern Product Design. Approved for FS2000. 3 hours credit. Prerequisites: Mc Eng/Ae Eng/Emech 350 or Mc Eng 308. Co-listed with Bas En 401, EC1 1099, Modern Product Design.

The UMR Campus Curricula Committee recommends to the Academic Council that the curricula changes on the following CCl1s be approved.


CC1 4842, Computer Engineering 404, Data Mining and Knowledge Discovery. (Co-listed with Eng Mg and Cmp Sc 404) Approved new course for FS2000. 3 hours credit. Prerequisites: Cmp Sc 304 or 347, Stat 215. Description: Data mining and knowledge discovery utilized both classical and new algorithms, such as machine learning and neural networks, to discover previously unknown relationships in data. Key data mining issues to be addressed include knowledge representation and knowledge acquisition (automated learning).

CC1 4343, Engineering Management 404, Data Mining and Knowledge Discovery. (Co-listed with Cp Eng 404 and Cmp Sc 404) Approved new course for FS2000. 3 hours credit. Prerequisites: Cmp Sc 304 or 347, Stat 215. Description: Data mining and knowledge discovery utilized both classical and new algorithms, such as machine learning and neural networks, to discover previously unknown relationships in data.

CC1 4844, Metallurgical Engineering 459, Advanced Environmental Aspects of Metallurgy. Approved new course for FS2000. 3 hours credit. Prerequisite: Graduate standing. Description: Studies of environmental aspects of metal extraction, melting, refining, casting, and forming. Subjects covered will include regulations, permitting, risk analysis, disposal and recycling.
CC1 4845, Statistics 306, Making Sense of Data for Middle School Teachers.
Approved new course for SS2000. 3 hours credit. No prerequisites. Description: An activity based course that is intended to provide middle school teachers with skills necessary to implement the Probability & Statistics strand of the American Statistical Association of the National Council of Teachers of Mathematics (NCTM) joint.

CC1 4846, Making Sense of Data for High School Teachers. Approved new course for SS2000. 3 hours credit. No prerequisites. Description: An activity based course that is intended to provide high school teachers with the skills necessary to implement the Probability & Statistics strand of the American Statistical Association of the National Council of Teachers of Mathematics (NCTM) joint.

CC1 4863, Computer Engineering 000. Changes in the Curriculum. Approved for FS2000. All proposed changes are to alleviate scheduling problems. There are no fundamental change in the curriculum content. Corrections of errors made in the footnotes.

CC1 4864, Computer Engineering 318, Digital System Modeling. Approved for WS2001. Changes in prerequisites from Cp Eng 111 or Cmp Sc 253 “TO” Cp Eng 111 and Cp Eng 112 or Cmp Sc 234. Change in description to: Digital system modeling for simulation, synthesis, and rapid system prototyping. Structural and behavioral models, concurrent and sequential language elements, resolved signals, generics, configuration, test benches, processes and case studies.

CC1 4873, History 357, The History of the West. Approved for FS2000. Change in description to: This class examines the American settlement of the Trans-Mississippi West. Areas to be considered include cattle, mining, exploring, Women, and Native Americans. Traditional and contemporary views of the West will be analyzed.

CC1 4874, Civil Engineering 217, Structural Analysis I. Approved new course for FS2000. 2 hours lecture and 1 hour lab. Prerequisites: Bas En 50, 110 each with a grade of “C” or better. Description: Loads on Structures. Analysis of statically determinate and indeterminate beams, frames and trusses. Influence lines and moving loads. Computation of deflections. Development and use of theorems of displacement methods including slope-deflection and moment distribution to analyze statically indeterminate structures. Computer solutions.

CC1 4875, Civil Engineering 247, Ethical, Legal and Professional Engineering Practice. Approved changes for FS2000. Change in course number to 247 “FROM” 249. Change in course title “FROM” Legal/Professional Aspect of Engineering Practice. Change in credit hours from 3 hours lecture “TO” 2 hours lecture. Change in description to: Discussions of laws concerning contracts, torts, agencies, real property, partnerships, and corporations. The purposes and implications of the engineering registration law, the effect of legal, ethical and marketing considerations of the practice of Civil Engineering.
CC1 4876, Civil Engineering 248, Introduction to Contracts and Construction Engineering. Approved changes for FS2000. Change in course number to 248 “FROM” 245. Change in course title “FROM” Construction Engineering. Change in credit hours from 2 hours lecture “TO” 3 hours lecture. Change in prerequisites from Senior standing “TO” Cv Eng 247. Change in description to: Introduction to the concepts and techniques used in large construction projects for the preparation of engineer service contracts, the development of a project manual, detailed and conceptual cost estimating, and construction scheduling and analysis.

CC1 4877, Civil Engineering 298, Civil Engineering Design Project. Approved new course for FS2000. 3 hours credit. Prerequisites: To be taken in the final semester, Cv Eng 248. Description: Open-ended design projects involving one or more areas of civil engineering. Planning design projects, philosophy of design, and application of civil engineering principles to design problems.

CC1 4878, Ceramic Engineering 090, The Ceramic Experience. Approved new course for WS2001. 1 hour lab. Prerequisite: Freshman Standing. Description: Hands-on experience with the fun of discovery through experimentation in the fabrication, properties and applications of ceramics in the modern world.

CC1 4879, Ceramic Engineering 315, Organic Additives in Ceramic Processing. Approved new course for WS2001. 3 hours credit. Prerequisites: Cr Eng 203 and 231. Description: Basic chemistry, structure and properties or organic additives used in the ceramics industry; solvents, binders, plasticizers, dispersants. Use of organic additives in ceramic processing.

CC1 4880, Ceramic Engineering 362, Thermomechanical/Electrical/Optical Properties Lab. Approved changes for WS2001. Change in course title “From” Thermal and Mechanical Properties Lab. Change in prerequisites from Bas Eng 110 “TO” Bas Eng 110 or Cr Eng 284. Change in description to: Laboratory consisting of three separate modules of experiments for the characterization of the thermomechanical, electrical and optical properties of ceramics. The student will choose one of the three modules.

CC1 4881, Ceramic Engineering 000. Approved curricula changes for FS2000. Cr Eng 315 replaces El Eng 282 in the second semester, Senior year. Cr Eng 362 has a new course title, Thermomechanical/Electrical/Optical Properties Lab. Sophomore year, second semester, Math 204 or State 320 or State 353 replaces Math 204. Addition of a new one hour course, Cr Eng 90, The Ceramic Experience, taken in the second semester of the sophomore year. The total hours are now 135 from 134.

CC1 4882, Management Systems 000. Approved new emphasis area for FS2000. Entrepreneurship Emphasis Area for a total of 15 credit hours.

CC1 4483, Civil Engineering 000. Approved curriculum changes for FS2000. Curriculum changes needed to bring program requirements more in line with those of ABET EC2000.

Keith Nisbett, Chair
ACADEMIC COUNCIL

ACTION ITEMS

Date of Passage        Subject               REFERRED TO

January, 2000  Resolution on Video/Distance Learning    Dr. Park

January, 2000  Academic Council President Appointment    Dr. Park
XXIX,7. The meeting was called to order at 1:30 P.M. by President-Elect Don Myers. It was noted that President Jerry Tien was out of the country. Roll call was taken by the office secretary.

There was a motion by Professor Ralph Wilkerson to approve the minutes from the April 20 meeting as distributed. It was mentioned that Mr. Cody May had requested a change in the minutes regarding his remarks concerning Marriott Services, as he felt he was not properly quoted. Since Mr. May was not present, Dean Saperstein moved to postpone action on this request to the September meeting. Professor Greg Gelles seconded and motion carried.

1 REPORTS AND RESPONSES

A. PRESIDENT’S REPORT

1. In the absence of the President (Jerry Tien), Professor Don Myers gave this report.
2. Professor Myers stated that there was nothing of real importance to report from the May IFC meeting.
3. Professor Myers said there had been much interest on our campus about Post Tenure Review, but he would not discuss it at this meeting due to the low number attending.

B. CHANCELLOR’S REPORT

1. Dr. Gajda presented this report, as Dr. Park was out of town.
2. The Vice Chancellor stated that Dr. Park had given him Three issues to briefly address in his stead.
3. The first issue was the salary of the Academic Council President. Dr. Gajda said that in the past years, it had been
a percentage of the person's base salary. Dr. Park has now chosen to make that salary a fixed amount, but Dr. Gajda did not have a figure for that.

4. The second item concerned Video/Distance Learning Compensation. Dr. Gajda referred to a memorandum out on the Web-Policy 2-18, which he stated had been put out October 1 of last year. He said Dr. Park would now like something in writing from the Academic Council in terms of how this policy should go.

5. The third item was a letter from the Chancellor to the Council which Dr. Gajda read and/or paraphrased. The main topic of this letter was Post Tenure Review. Unfortunately, a copy of the letter was not available for the minutes.

QUESTIONS AND ANSWERS

1. Professor Myers asked what sort of relationship Faculty input would have to the Bonus Plan. Dr. Gajda said that Dr. Park has asked him and the Deans to lead a discussion at the Faculty Retreat on this issue.

2. Professors Robertson and Balakrishnan asked for clarification on the Bonus Plan. There were no definite explanations at this time.

2 STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Ken Robertson gave this report. After stating that there was a correction to CC14182(Management Systems) making the “total of 15 credit hours” changed to 9, Professor Robertson moved to approve the report. Professor Greg Gelles Seconded, and motion carried.

B. RULES, PROCEDURE, AND AGENDA-In the absence of the Chair(Lance Haynes), Professor Ralph Wilkerson distributed ballots for electing members to the Grievance Hearing Panel.

.3 No old business was presented.

.4 NEW BUSINESS AND ANNOUNCEMENT-There were no reports from Staff Council or Student Council.
A. REFERRALS-Three referrals were noted by Professor Myers: the Bonus Plan issue to Personnel; Post Tenure Review to Personnel; and Repeated Course Grades to Admissions and Academic Standards.

B. There was a question concerning what benefit the Bonus Plan option would be. The answer given was the main benefit would be the tax break.

There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

Ralph Wilkerson
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.
July 5, 2000

MEMORANDUM

TO: Academic Council Members

FROM: Shirley Hobson, Academic Council Secretary

SUBJECT: Late minutes

I apologize profusely for the late distribution of these minutes from the June meeting.

In June, my father had two major surgeries within ten days, and shortly thereafter, a close friend passed away after a long, hard battle with cancer.

Hopefully, things are back in some semblance of order now, and Council business can be my priority once again.

Thank you for your patience.
A Post-Tenure Review Committee will be formed and will work in conjunction with the chief academic officers to (1) review post-tenure review processes and policies at other universities and (2) develop a model for post-tenure review. The Post-Tenure Review Committee will be comprised of three faculty members from each campus. The members of the committee from each campus will be nominated by IFC representatives. The President will appoint a chair from those faculty nominated to serve on the committee. The Office of the Vice President for Academic Affairs will coordinate the work of the Committee and the chief academic officers. The Post-Tenure Review Committee and the chief academic officers should jointly submit their recommendations to President Pacheco by July 1, 2000.

Jerry C. Tien Tel: (573) 341-4757
Associate Professor Fax: (573) 341-4341 or 341-6934
Department of Mining Engrg
University of Missouri-Rolla
Rolla, Mo. 65409-0450
Web Site: http://www.umr.edu/~tien
SME U/G Vent. Committee: http://members.aol.com/smeuvcluvc.htm
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>> >Attachment converted: Power Mac 8600:Post Tenure Review Committee. 1

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Post-tenure review proposed

COLUMBIA, Mo. (AP) -- An annual performance review for tenured faculty could be on its way at the University of Missouri — a national trend many instructors view as a threat to their academic freedom.

University President Manuel Pacheco last week issued a memo instructing campus leaders to develop a performance review system for tenured teachers. Pacheco cited the national debate about tenure and said many universities have established a review system to "address persistent poor performance" by tenured faculty members.

Pacheco was out of town Friday and unavailable for comment.

University Vice President Steve Lehmkuhle said the proposal is aimed at ensuring the development of faculty once they gain tenure.

Lehmkuhle said many universities have made similar transitions and added that Missouri would prefer to do so voluntarily rather than face a mandate from lawmakers.

"I think what the president is asking ... is that we as an institution respond in a responsible way and demonstrate that we can be accountable without having an external mandate restricting the way in which we measure our performance," Lehmkuhle said.
Hobson, Shirley D.

From: Jerry C. Tien [tien@umr.edu]
Sent: Tuesday, December 21, 1999 9:53 AM
To: Hobson, Shirley D.
Cc: Lance Haynes; Donald Myers
Subject: RE: Administrative Restructuring Advisory Committee

Shirley,

Hope you are all bundled up these days.

As per our discussion earlier, we are to elect one representative from the following three candidates to be part of the Chancellor's Administrative Restructuring Advisory Committee:

Leonard Koederitz - Mines & Mets
Bruce Selberg - School of Engineering
Kent Robertson - Arts and Sciences

Please distribute this ballot to all Academic Council members and ask for a return by January 3rd. Since I will be out of the country by then, please provide both Lance and Don the election result and let them present the name to the Chancellor.

Thanks.

-- Jerry --

> Jerry, Just let me know when and how you want a ballot distributed.
> Would that be to all Academic Council members? SDH
> 
> -----Original Message-----
> From: Jerry C. Tien
> To: Lance Haynes; Leonard Koederitz; Donald Myers; Bruce Selberg; Ralph
> Willkerson; Shirley Hobson
> Sent: 12/14/99 10:20 AM
> Subject: Administrative Restructuring Advisory Committee
> 
> All,
> 
> Imagine everyone is busy with the Final's week.
> 
> Last Thursday, Dr. Park sent the Academic Council a memo regarding the upcoming administrative restructuring Advisory committee, I am pleased to let you know that he has accepted our suggestion to include four faculty representatives from the Academic Council and from each of the three schools/colleges (see attachment for details).
> 
> Since he asks for a name by January 4 and our Council will not meet until late January, several of you I talked to see no problem for me to provide the following nominations for this representative:
> 
> Leonard Koederitz
Lance,  

Good idea.

> Jerry, Shirley,  
> B. Ken Robertson.  
> Might not be a bad idea to make it clear, on the ballot, that the  
> short fuse  
> is the Chancellor's doing, not ours, e.g.: The Chancellor has requested  
> that we  
> submit, by January 3, the name of a nominee from the Academic Council . . .  
>  
> -LH  
>  
> At 09:53 AM 12/21/99 -0600, Jerry C. Tien wrote:  
> >Shirley,  
> >Hope you are all bundled up these days.  
> >  
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> >Administrative Restructuring Advisory Committee:  
> >  
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> >Bruce Selberg - School of Engineering  
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> >for a return by January 3rd. Since I will be out of the country by  
> >then, please provide both Lance and Don the election result and let  
> >them present the name to the Chancellor.  
> >  
> >Thanks.  
> >  
> >-- Jerry --  
> >  
> >-- Original Message--
If it is alright with you or you have any other nominations, please let me know by next December 20. I will then ask Shirley to prepare an electronic ballot for distribution.

Thanks.

-- Jerry --
> <<Restructuring.pdf>> <<ATT01756.txt>>
From: Jerry C. Tien
To: Lance Haynes; Leonard Koederitz; Donald Myers; Bruce Selberg; Ralph Wilkerson; Shirley Hobson
Sent: 12/14/99 10:20 AM
Subject: Administrative Restructuring Advisory Committee

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Leonard Koederitz
Bruce Selberg

If it is alright with you or you have any other nominations, please let me know by next December 20. I will then ask Shirley to prepare an electronic ballot for distribution.

Thanks.

-Jerry--

Restructuring.pdf ATT01756.txt

--------------------------------------------
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______________________________
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______________________________
Jerry,

I spoke with Matt about the subject resolution which involves giving priority in finals scheduling to courses with certain pre-reqs and is apt to be contentious because it allegedly benefits the math department out of proportion to other departments (esp. chem, phys., and BE).

Matt believed we had referred the matter to the Academic Affairs committee for a recommendation.

Alas, Jerry, as far as I know, there is NO academic affairs committee. I think we need to refer it to some other committee--The only standing committee that, as I read the by-laws, has some claim, is RP&A (because it involves a procedure governed by the by-laws) so, either we fight it out there OR you appoint a special committee to look into it--which would be a waste, I think.

I recommend we do it with RP&A. If you will refer it to us, I will invite all concerned parties to attend our next meeting and try to have a limited discussion of it to weigh all sides. Does that sound ok?

-LH
Shirley,

Come to think of it, better do this by e-mail because the fuse is short. The resolution should be attached to something I sent you all just before last RP&A meeting. Please just attach it to the e-mail to chairs.

Thanks,

-LH

Please add the room, attach the resolution, and send the following to all Dept. Chairs:

The attached resolution will be discussed at the RP&A meeting on February 3 (1:30 in CS__) in order to develop a recommendation to Academic Council. You are invited to attend this meeting and/or to provide us with written comments in advance. Matt Insall, author of the resolution, will attend. Please advise me if you plan to be there.

Lance Haynes
Chair
Rules, Procedure, and Agenda Committee
Jerry,

I spoke with Matt about the subject resolution which involves giving priority in finals scheduling to courses with certain pre-reqs and is apt to be contentious because it allegedly benefits the math department out of proportion to other departments (esp. chem, phys., and BE). Matt believed we had referred the matter to the Academic Affairs committee for a recommendation.

Alas, Jerry, as far as I know, there is NO academic affairs committee. I think we need to refer it to some other committee—The only standing committee that, as I read the by-laws, has some claim, is RP&A (because it involves a procedure governed by the by-laws) so, either we fight it out there OR you appoint a special committee to look into it—which would be a waste, I think.

I recommend we do it with RP&A. If you will refer it to us, I will invite all concerned parties to attend our next meeting and try to have a limited discussion of it to weigh all sides. Does that sound ok?

-LH
Proposed Amendment to the Student Academic Regulations

1 Proposal Statement

We propose that the following change in section VII-5 (page 19) of the Student Academic Regulations be made:

Replace the third sentence,

“If you have a conflict between two final examinations, the subject regularly scheduled for the year in which you are classified shall take precedence, and the department teaching the other subject shall arrange a special examination for you upon verification of the Registrar.”

by

“If you have a conflict between two final examinations, and if one of the courses is a prerequisite for the other, the prerequisite course shall take precedence, and the department teaching the other course shall arrange a special examination for you upon verification of the Registrar. If the courses are independent, the subject regularly scheduled for the year in which you are classified shall take precedence, and the department teaching the other course shall arrange a special examination for you upon verification of the Registrar.”

2 Justifications

• Section II-11c (page 14) mentions petitions for permission to schedule courses for which the student does not have the prerequisite, so such things are possible.

• If special permission is required to be in a course, that course ought to make allowances at final exam time, and if the student is "illegally" enrolled in a course for which he or she does not have a prerequisite, the department teaching the prerequisite course ought not to suffer for someone else’s oversight.

• Students who “illegally” take courses out of sequence may not realize what subjects should be mastered in order to master a later course. Misconceptions of this type may adversely affect their performance in later courses.

• Generally, more courses require a given prerequisite course than any course that requires it, so that “special examinations” in a prerequisite course have the potential to affect more students than in a later course.

3 Analogous Precedent

• Section III-4 (page 15) states that when making out a schedule, back work “must be scheduled first”, which establishes the priority of the prerequisite course.
February 7, 2000

MEMO TO: Jerry Tien, President, Academic Council

FROM: Jerry R. Bayless
Harvest L. Collier
Ronald A. Kohser

RE: Repeated Course Grades

Jerry, we have identified a problem with Section III-8 of the Student Academic Regulations pertaining to prohibition of repeating courses in which a satisfactory grade has been obtained. This rule apparently originated in an effort to prevent students from repeating "easy" courses in order to raise their grade point averages rather than addressing courses in which they had deficiencies. It has been pointed out to us, however, that the rule has the unintended consequence of preventing entering students from taking courses that may be appropriate for proper mathematics placement. Specifically, many entering freshmen have dual enrollment credit while in high school for College Algebra and sometimes for College Trigonometry. Yet, many of these students, based on our math placement test results, need to take College Algebra and Trigonometry, Math 4 and 6 or even Math 2 followed by Math 6, at UMR. Freshman advisors have been placing them in these courses, in apparent violation of the rule. Strictly speaking, this is not allowed and, being aware of the problem now, the advisors are placed in an ethically untenable position.

As a result of the issues described, we suggest that all of Section III-8 be deleted except for the last sentence, which needs to be retained for other reasons. We believe you will need to refer this matter to the Admissions and Academic Standards Committee, and we request that you urge them to act quickly, calling a special meeting if necessary, as we will begin registering Fall 2000 freshmen in March. We recognize that the change we are suggesting means the original purpose of the rule will not be addressed, but we believe this is a much smaller problem that the issue of proper preparation and placement in mathematics, which has enormous implications for retention.

Thank you for your assistance in this matter.

JRB
From: Lance Haynes [lance@umr.edu]
Sent: Friday, April 07, 2000 11:10 AM
To: “Jerry C. Tien” <tien@umr.edu>, “Leonard Koederitz”; Donald Myers; Bruce Selberg; Ralph Wilkerson; Shirley Hobson; krobrtsn@umr.edu; nbook@umr.edu; gmueller@umr.edu; JMaul@umr.edu
Subject: RP&A resolutions

Colleagues:

The following resolutions were formulated at the meeting yesterday for presentation by RP&A to the Council at our next meeting. The scheduling of a hearing on the new Provost position during Spring Break seems to have been a factor causing significant concern.

Since a number of you were absent from our meeting, I thought it prudent to offer the resolutions to you for further discussion and wordsmithing before including them with the minutes.

Could we hold e-mail discussion of the following two resolutions between now and Next Tuesday (April 11), please.

The first directly addresses the timeliness issue:

1. The Academic Council voices its concern over the importance of open hearings over reorganization decisions, particularly those related to the Academic Affairs Division, and calls for open hearings to be held at opportune times for faculty to participate.

The second is broader in scope and takes note of the fact that the reorganization initiative begun much earlier in the year has made little progress; it is now Mid-April.

2. Given the short time remaining in the school year and the lack of relevant information circulated to date among the faculty concerning structural reorganization of the campus, the Academic Council calls upon the Administration to defer implementation of any and all structural reorganization pending the installation of a new Chancellor on campus.

Copies of this resolution to be sent to Chancellor Park and to President Pacheco.

What say you, fellows?

Thank you,
Lance Haynes, Chair
RP&A
Hobson, Shirley D.

From: lance haynes [lance@umr.edu]
Sent: Monday, April 17, 2008 8:26 AM
To: Hobson, Shirley D.
Subject: Re: resolutions

Shirley,

Sorry. I went off to a conference and completely forgot to follow up on this. Let's go with them in a supplement. Here they are:

1. The Academic Council voices its concern over the importance of open hearings over reorganization decisions, particularly those related to the Academic Affairs Division, and calls for open hearings to be held at opportune times for faculty to participate.

2. Given the short time remaining in the school year and the lack of relevant information circulated to date among the faculty concerning structural reorganization of the campus, the Academic Council calls upon the Administration to defer implementation of any and all structural reorganization pending the installation of a new Chancellor on campus. Copies of this resolution to be sent to Chancellor Park and to President Pacheco.

-LH

At 09:12 AM 4/14/00 -0500, you wrote:
> Lance, I have tried calling over and over and watched my email for
> something on the resolutions. Having heard nothing, I have to go ahead
> and have the agendas printed and get them sent out. Maybe we can do an
> addition and send it Monday. I will be out of town Tuesday and part of
> Wednesday. Shirley
>
MEMORANDUM TO: UMR Faculty Members

FROM: Laura Stoll, Secretary, General Faculty

DATE: April 21, 2000

SUBJECT: Agenda for the General Faculty Meeting
       Wednesday, May 3, 2000  4:00 P.M.
       G-5 Humanities/Social Science Building

I. Call-to-Order: 4:00 P.M.

II. Memorial Resolutions
   Malcolm Cole
   Stanley Marshall
   Bernard Sarchet

III. Approval of Minutes of the December 7, 1999, General Faculty Meeting
     (distributed in December)

IV. Unfinished Business - None

V. Reports of Standing or Special Committees
   A. RP&A
      1. Election for representatives to U-wide Tenure Committee
      2. Election to Campus Committees

VI. New Business
   A. Approval of candidates for degrees to be awarded at the
      May 13, 2000 Commencement
   B. Chancellor's remarks

VII. Announcements

VIII. Adjournment
MEMORANDUM TO: Members of the General Faculty

FROM: Laura Stoll, Registrar

DATE: April 21, 2000

SUBJECT: Prospective Graduates for May 13, 2000

According to the records in the Office of the Registrar, the attached list of students will finish requirements for their respective degrees at the end of the 2000 Winter term. This listing was prepared on April 20, 2000. If you know of any changes that should be made in the list, please contact the Office of the Registrar (questions concerning MS and PhD students should be directed to the Graduate Coordinators in the Schools and College). These candidates will be presented at the May 3, 2000 General Faculty meeting for approval of degrees, subject to satisfactory completion of work in progress.

This list of prospective graduates is your desk copy and should not be given to any business or organization for the purpose of solicitation.
### WS2000 CANDIDATES FOR DEGREES

Jurisdiction:  
C=campus;  
X=off-campus extension;  
S=St. Louis Engineering Education Center;  
N=Kansas City Video

#### SCHOOL OF MINES AND METALLURGY

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# WS2000 CANDIDATES FOR DEGREES

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4/21/00
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| SADECKI, ZACHARY DAMON | BOWERS, HAL D | TSIPHTSIS, DIMITRIOS | ALLEN, ANDREW PETER |
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| BOONE, JOYCE ALAINE | CARROLL, DAN STEPHEN | WIEDLOCHER, ZACH B | BARNETT, JAMES ALOYSIUS |
| BOWERS, HAL D | SADECKI, ZACHARY DAMON | ZETTERLIND III, VIRGIL ERNST | BEACHER, JULIE A |
| BRAKER, BENJAMIN MATTHEW | CHAMBERS, ERIC JOE | **Engineering Management** | BECCUE, THOMAS EDWARD |
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| CORRA, JOSHUA D | FABELA, GENEVIEVE DIANNE | COLLINS, ERIN C | BRYANT, CARI Rihan |
| CRACRAFT, MICHAEL A | FON, COLIN CHOH | DURAKO, JOHN MICHAEL | CAMPBELL, KURT ALAN |
| DELANEY, MICHAEL JASON | GOEBEL, GENEVIEVE DIANNE | ENGDALE, MICHAEL RYAN | CARRON, BRIAN W |
| ELLER, VICKI MARIE | HALL, LARRY CHAD | FINOCCHIO, MELISSA ANN | CHAN, CHISAN RAYMOND |
| FABELA, GENEVIEVE DIANNE | HAMILTON, ROBERT WALLACE | GARDNER, MARK C | DUNLEY, JASONizarient |
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WS2000 CANDIDATES FOR DEGREES

Jurisdiction:  C=campus;  X=off-campus extension;  S=St Louis Engineering Education Center;  N=Kansas City Video

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4/21/00
## COLLEGE OF ARTS AND SCIENCES

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### DOCTOR OF PHILOSOPHY

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April 28, 2000

TO: President, Student Council

FROM: Lance Haynes, R P & A Committee

SUBJECT: Representation on Committees

Undergraduate students are represented on a number of UMR Committees. In each case, terms are for one year. The following includes a list of these committees and the number of representatives for each. Please let me know who your representatives are by June 1, so that committees can be formed and a committee roster can be prepared. If at all possible, please include a mailing address and telephone number for each representative. Send this to 334 Computer Science.

<table>
<thead>
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<tbody>
<tr>
<td>Joseph S. Mauml</td>
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<td>Michael Jura</td>
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<td>K. E. Hayne</td>
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<td>Carmen Poynter</td>
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<td>Lucie Neumann</td>
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<td>Collin Stucker</td>
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<th>Campus Safety Committee: (Select 1)</th>
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<th>Computer Policy Committee: (Select 1)</th>
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<td>Eric Sigler</td>
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</table>
Facilities Planning Committee: (Select 2)

Michael Caughn  mcaughn@umr.edu
Keith Zgelman  (Transfer Student)

Library and Learning Resources Committee: (Select 1)

Martin Lust  mlust@umr.edu

Parking, Security and Traffic Committee: (Select 2)

Joseph Maul  jmaul@umr.edu
Cody May  cmay@umr.edu

Public Occasions Committee: (Select 3)

Tugbo Camci  tcamci@umr.edu
Jim Berger  jberger@umr.edu
James Henken  jhenken@umr.edu

Rules, Procedure and Agenda Committee: (Select 1)

Joseph Maul  jmaul@umr.edu

Student Affairs Committee: (Select 5)

S.J. Agee  sja@umr.edu
Bar Butler  bbutler@umr.edu

Carmen Bracety  cbracety@umr.edu
Laura Schreier  lschreier@umr.edu
Ihsan Khan  ikhan@umr.edu

In addition, another student who serves on the Academic Council will be elected from the Academic Council to serve on the Student Affairs Committee. You might want to let me know which of your Academic Council representatives wish to stand for this election.

Joseph Maul  jmaul@umr.edu

Student Awards and Financial Aids Committee: (Select 2)

Dennis (Ed) Bracety  dbracety@umr.edu
Matt Zeien  mzeien@umr.edu

Student Conduct Committee: (Select 4)

Ihsan Khan  ikhan@umr.edu
Matt Zeien  mzeien@umr.edu
Jon Pott  jpot@umr.edu
I greatly appreciate your time and cooperation in this matter. If you have any questions, please contact me.
May 3, 2000

Committee Ballot

Public Occasions (Vote for three)

__ Joel Kramme __ Don Madison
__ Richard Bullock __ Ron Kohser
__ David Oglesby __ Henry Metzner

Publications (Vote for three)

__ Jerry Cohen __ Ron Olson
__ Tad Golosinski __ Richard Brow
__ Fathi Fannaish __ Genda Chen

Rules, Procedures and Agenda (Vote for two)

__ Ron Bieniek __ David Summers
__ Mark Schlesinger __ Hal Nystrom
__ Hank Sauer __

Student Awards (Vote for two)

__ John Woodfin __ John Schmitt
__ Ron Kohser __ Karl Zipf
__ Robert Stone __ Tim Meinert
__ Francisca Oboh __

Student Scholastic Appeals (Vote for two)

__ Carol Ann Smith __ John Greg Story
__ Paul Worsey __ Daniel White
__ Steve Raper __

U-Wide Tenure (Vote for one; highest votes-member; second highest-alternate)

__ Len Rahaman __ Gerald Cohen __ Robert Davis