MINUTES OF THE UNIVERSITY SENATE
February 1, 2000

The February 1, 2000 meeting of the University Senate was called to order by Chairperson Alarcon at 3:20 p.m. in the Alumni Auditorium of the Eberly College of Business.

The following Senators were **excused** from the meeting: Allan Andrew, Sarah Bordner, Aaron Depalma, Richard DiStanislao, Diane Duntly, Will Foran, Susan Glor-Sheib, Harold Goldsmith, Michael Hood, David Hubbard, Adam Hughes, Megan Joseph, Marlene Joyce, Lisa Klink, Ronald Maggiore, Valarie Mancuso, Charles McCreary, Theresa McDevitt, William McPherson, Mark Piwinsky, Karen Polansky, Mary Ann Rafoth, Helen Soltis, Patricia Villalobos, Albert Wutsch, Carleen Zoni

The following Senators were **absent** from the meeting: Holly Anderson, William Bell, Kenneth Brode, Robert Camp, Marx Carlson, Brenda Carter, Jon Corbett, Frank Condino, Nahal Dousti, Josh Dubrow, Jennifer Ellis, Steven Ender, Michelle Gerwick, Bill Getchell, Cassandra Green, Noel Handran, Eben Henderson, Marilyn Howe, Dennis Hulings, Keziah Johnson, Ronald Juliette, Jessica Kupchella, Megan Lawther, Thomas Lord, Joanne Lukehart, Josh Mehall, Nathan Miller, Matt Pesci, Carrie Popovich, Edward Ruffner, Robert Russell, Cristy Sollman, Shari Trinkley, Xi Wang, Tony Weber, Lisa Zack, Philip Zorich

The minutes of the December 7, 1999 meeting were **ACCEPTED**.

Agenda items for the February 1, 2000 meeting were **ACCEPTED**.

REPORTS AND ANNOUNCEMENTS

PRESIDENT'S REPORT (Dr. Pettit)

Welcome back to the spring semester. As you know, one of the casualties of the last round of APSCUF negotiations was that the money that the System allocated on a competitive basis throughout the System for Faculty Professional Development was lost. It will not affect this year's projects funded with last year's money. But beyond that there is no state money. The state committee has not bothered as a result to meet to evaluate the proposals. I have allocated $25,000 to fund IUP projects for next year. I would like to have the Faculty Professional Development Committee develop criteria and then have the applications processed through the Senate Research Committee, and have the members of the Senate Research Committee determine which projects to fund, not exceeding $25,000. I cannot guarantee that this is going to be an annual allocation because I do not know what the budget is going to be like. The budget is extremely tight this year, but I feel that this is so important and it is something that we want to continue. We will see what we can do in subsequent years. We are also working on getting the System money back in subsequent years.

PROVOST'S REPORT (Dr. Staszkiewicz)

Welcome back to another semester. I certainly hope your semester break was refreshing and that you were able to take time with your family and friends for some healthy R and R.

I would be remiss if I did not address the situation of "curriculum approval" since we closed the last semester with that issue unresolved. I assume that by now each department's APSCUF representative has shared with the department the final motion adopted by APSCUF. I continue to subscribe to the "if it ain't broke don't fix it" philosophy and I fear that we are replacing a set of good tires with bald retreads. The retreads may last and I do acknowledge the movement that has been made on this issue. With the clear understanding that the Administration's position concerning curriculum and the contractual role of APSCUF has not changed, we are willing to work with the Senate leadership and APSCUF to implement the APSCUF model. This would require a major revision to the Senate constitution and by-laws and they, in turn, would require approval by the IUP Council of Trustees, upon the recommendation of the President, Dr. Pettit. Therefore, it is clearly not possible to finalize this process before May. We recommend that the current committees utilize the consultation approach adopted by APSCUF relative to the APSCUF Executive Committee and that we continue to operate under that model until the appropriate revisions to the constitution and by-laws can be enacted.

On a very positive note, I would like to update you on a commitment I announced at the start of the year. You may recall that we put together a plan to insure that every permanent faculty member had a computer that met ACPAC standards by fall, 2000. As of right now, our best estimate is that all but approximately 125 faculty have such machines and we plan to order the necessary upgrades or new machines this semester. I am tremendously impressed by what our faculty is doing in incorporating technology into the learning process and I am pleased that this program is ahead of schedule.

CHAIRPERSON'S REPORT (Dr. Alarcon)

I am happy to report that a tentative agreement has been reached with respect to the curriculum committees. At their December meeting the IUP-APSCUF Representative Council approved a proposal. The proposal as well as a letter from Dr. Patricia Heilman, President of IUP-APSCUF, is included with my report. Dr. Heilman, Dr. Staszkiewicz and I met in December to review the proposed agreement. We believe it will allow for the curriculum approval process to continue with the final approval taking place at the University Senate Meetings.

To implement the agreement, several modifications to the University Senate Bylaws will need to be approved. The intention will be to review these at the March meeting (on Feb. 29) and vote on the changes at the April meeting. Among the changes needed are:

- changes to the description of the senate committees and function
- inclusion of the Chairs of the Curriculum subcommittees as ex-officio members of the senate
- consideration to non-curricular functions or policies considered by the Graduate Committee

The tentative agreement follows.

CURRICULUM AGREEMENT

1. The Curriculum Committee (composed of two subcommittees: one for undergraduate curriculum and one for graduate curriculum with the undergraduate curriculum committee having two subcommittees, one each for Liberal Studies and Honors College)* will become a standing committee of APSCUF reporting items being considered by the Committee to APSCUF Executive Committee and to APSCUF Representative Council. The report to APSCUF Executive Committee will be for discussion and advice. The report to APSCUF Representative Council will be for information only, but shall include concerns raised by APSCUF Executive Committee. Should APSCUF representatives wish to indicate additional curricular concerns, they may do so through the local APSCUF Office. No approval/disapproval action on curriculum will take place at APSCUF Executive Committee or APSCUF Representative Council meetings although the concerns raised will need to be reported back to APSCUF Executive Committee by the Curriculum Committee.

2. The faculty members of the Committee — both Undergraduate and Graduate — will be appointed/removed by APSCUF according to IUP-APSCUF bylaws. There will be faculty representation on both the Undergraduate and Graduate committees from each College. Consideration in the selection of faculty shall be given to elected Senators and elected APSCUF representatives.

3. The student members/administrators will be appointed/elected as per their procedures.

4. The chairs of the undergraduate and graduate curriculum subcommittees will be seated on University Senate as ex officio. Action on curriculum will be taken at the University Senate.

5. The sign-off line on curriculum will be modified to reflect that the curriculum chair's signature is the APSCUF signature.

6. In accordance with current procedures, APSCUF leadership will reserve the right to remove curriculum items from the IUP Council of Trustees agenda should situations arise which negate/modify what the APSCUF Curriculum Committee had approved.

7. This curricular structure will expire in May 2002.

*modified 12-14-99 to: Undergraduate Curriculum Committee having one subcommittee for Liberal Studies. Honors College proposals will proceed through the Undergraduate Curriculum Committee.

I would also like to include the following letter I received from Dr. Heilman.

January 31, 2000

Francisco Alarcón
Chair, University Senate

Dear Dr. Alarcon:

I respectfully request that you read this letter where appropriate in the agenda at the next University Senate meeting.

At the December 16, 1999 IUP-APSCUF Representative Council meeting, a curriculum model was passed which, APSCUF believes, retains the Senate structure while providing faculty with more responsibility in the curriculum review process. In addition, the curriculum committee (with subcommittees for Undergraduate and Graduate Committees) will become standing committees of APSCUF, reporting, in list form, the curricular items under review to APSCUF Executive Committee. The curriculum committees will continue the review process while items are simultaneously channeled through the Executive Committee. The Executive Committee will review for problem areas, which the curriculum committee will be able to address during their review process. The same list will be submitted to APSCUF Representative Council for information only, although representatives may forward curricular concerns to the APSCUF Office. The curriculum committees will resume the process, delegated to the Senate by APSCUF, of seeking curriculum approval at the University Senate.

Some of the curriculum committee changes may require modifications in the Senate's Bylaws. APSCUF hopes this can be accomplished in a timely manner.

In spite of some of the unfortunate remarks made about APSCUF in this august body, IUP-APSCUF believes that the University Senate serves an important role in University governance, and that the best governance is shared governance. This curriculum model, where both APSCUF and the University Senate share responsibility for the curriculum process reflects APSCUF's commitment to shared governance.

Respectfully submitted,

Patricia I. Heilman
President, IUP-APSCUF

VICE CHAIRPERSON'S REPORT (Senator Gresh)

No report submitted.

OLD BUSINESS (carryover from the December 7, 1999 meeting)

SSHE Sexual Harassment Policy – no discussion at the February meeting. Helen Soltis will provide a report at the February 29 Senate meeting.

STANDING COMMITTEE REPORTS

RULES COMMITTEE—Chairperson Beisel

Chairperson Beisel announced that Senate elections are approaching. Senators will receive more information in the mail.

RESEARCH COMMITTEE—Chairperson Numan

Chairperson Numan presented the following for Senate Information:

Senate Research Committee
Minutes – December 14, 1999

Members Present: Dr. Anthony Joseph, Mr. Joseph Ritchie, Ms. Michele Sanchez Schwietz, Dr. Muhammad Numan, Dr. Kelly Wilkinson. Members Absent: Mr. Josh DuBrow (GSA representative), Dr. Tom Connelly, Dr. Mary Ann Rafoth, Dr. Tom Ault

This meeting of the Faculty Senate Research Committee was convened at 3: 15 p.m. by Dr. Muhammad Numan, Chair of the committee.

The committee reviewed 7 proposals and a decision was made to fund 6 proposals. The committee awarded $ 6,519.00 in grants.

- Dr. Francisco Alarcon was awarded $430.00 to travel to The International Symposium on Mathematical Models Applied to the Sciences in Costa Rica to present a paper on "Teaching Mathematics with Scientific Notebook and WebCT."
- Dr. Lynda Federoff was awarded $1,500.00 for her project "The Physiological Impact of Psychotherapuetic Intervention on PTSD."
- Dr. William Flack received $750.00 for his project "Interpersonal Disruption and PTSD in Undergraduate College Students."
- Dr. Jonathan Southard received $1,179.00 for his project "Do Mouse Liver Cells Contain Two Different Growth Hormone Receptors?"
- Dr. Jack Stamp received $1,500.00 for his project "Meet the Composer: Timothy Broege In Area Music Classes" provisional to providing supporting documentation such as letters of commitment from area schools.
- Ms. Anne Wolf received $1,160.00 for her project "Visiting Artist Workshop and Lecture with Julia Parker."

The committee also discussed revisions to the USRC Award Guidelines. Revisions will be incorporated and further reviewed at the next URSC meeting.

The meeting was adjourned at 4:45 p.m. The next USRC meeting will be on Tuesday, February 8, 2000, at 3:15 p.m.

STUDENT AFFAIRS—Chairperson Kosiek

Chairperson Kosiek announced that the committee will be discussing campus civility at their next meeting.

UNIVERSITY DEVELOPMENT & FINANCE COMMITTEE—Chairperson Heckroth

Chairperson Heckroth announced that the committee continues to examine the capital budget request.

ACADEMIC COMMITTEE—Chairperson Duntley

The committee continues to review the Academic Standards Policy.

AWARDS COMMITTEE—Chairperson Wheat

Chairperson Wheat announced that supporting materials are due February 7 from anyone who was nominated for a Senate award.

CURRICULUM COMMITTEE—Chairperson Myers

Chairperson Myers presented the following for Senate information:

1. Liberal Studies Report

A. Approved Dr. King to be added to list of faculty approved to teach LS499 Childhood in America
B. Approved Dr. Jim Gibson to be added to list of faculty approved to teach LS499 Values and education in Pluralistic American Society (section to be taught at CCAC)
C. Approved Synthesis proposal for LS499 Constructing Appalachia with Dr. Matthew Willen
D. Approved LS499 Global Survival taught by Jerry Pickering as an Honors Synthesis course

2. Title Changes - Department of Mathematics

A. Old title: MA 317 Introduction to Probability and Statistics
New title: MA 317 Probability and Statistics for Elementary and Middle School Teachers
B. Old title: MA 420 Pre-Calculus Mathematics I
New title: MA 420 Patterns and Functions for Elementary and Middle School Teachers
C. Old Title: MA 456 Principles of Geometry I
New title: MA 456 Geometry for Elementary and Middle School Teachers
D. Old title: MA 457 Introduction to Number Theory
New title: MA457 Number Theory for Elementary and Middle School Teachers
E. Old title: MA 458 Introduction to Logic and Logical Games
New title: MA 458 Logic and Logical Games for Elementary and Middle School Teachers

3. Number Change - Department of Communications Media

Old Number: CM 401 Media Field Studies
New Number: CM 408 Media Field Studies

Rationale: CM 401 must be changed to CM 408 to accommodate for the proposed dual level course CM 508 because CM 501 was not an available number.

Motion to approve the following:

1. Liberal Studies Report

A. Approved BI116 Introduction to Marine Biology as Liberal Studies Non-Lab Science
B. Approved request to change the Math Liberal Studies requirement from MA123 to a choice of MA121 or MA123 and Liberal Studies Elective from MA124 to a choice of MA122 or MA124 in the program revisions for the Bachelor of Science in Geology and Bachelor of science in Environmental Science

Motion **APPROVED.**

Motion to approve the following:

2. Program Revision - Department of Geosciences

A. Bachelor of Science - Geology

CURRENT PROGRAM:	PROPOSED PROGRAM:
BS Geology	BS Geology
Liberal Studies: As outlined in Liberal Studies section with the following specifications: 56-57	Liberal Studies: As outlined in Liberal Studies section with the following specifications: 56-57
Mathematics: MA 123	Mathematics: MA 121 or 123
Natural Science: CH 111-112 or 113-114	Natural Science: CH 111-112 or 113-114
LS electives: MA 124, no course with GS prefix	LS electives: MA 122 or 124, no course with GS prefix
Major:	Major:
Required courses (1): 42	Required courses (1) 44
GS121 Physical Geology 3sh	GS121/122 Physical Geology lecture and lab 4sh
GS122 Physical Geology Lab 1sh	GS131/132 Historical Geology lecture and lab 4sh
GS131 Historical Geology 3sh	GS321 Mineralogy 3sh
GS132 Historical Geology Lab 1sh	GS322 Igneous and Metamorphic Petrology 3sh
GS321 Mineralogy 3sh	GS325 Structural Geology 3sh
GS322 Igneous and Metamorphic Petrology 3sh	GS326 Field Geology or summer field course offered by other universities) (1,2) 3sh
GS325 Structural Geology 3sh	GS330 Paleontology 3sh
GS326 Field Geology or summer field course offered by other universities) (1,2) 3sh	GS362 Plate Tectonics 3sh
GS330 Paleontology 3sh	GS380 Research Techniques in Geoscience 2sh
GS362 Plate Tectonics 3sh	GS411 Sedimentary Petrology 3sh
GS411 Sedimentary Petrology 3sh	GS412 Stratigraphy or GS 327 Geomorphology 3sh
GS412 Stratigraphy or GS 327 Geomorphology 3sh	GS 480 Geoscience Seminar 1sh
GS 480 Geoscience Seminar 1sh	
	Controlled electives: 9sh
	GS courses 300 or above
	Other requirements: 8-14

Controlled electives: 9sh GS courses 300 or above Other requirements: 8-14 Additional science: PY111 Physics I Lecture 4sh PY 112 Physics II Lecture 4sh Foreign Language Intermediate Level (3,4) 0-6 sh Free electives: 11-18 Total Degree Requirements: 124 (1) Summer field camp in geology (5-9sh) is strongly recommended. (2) A maximum of six credits from approved summer field camp may apply to a required core and controlled electives (3). (3) Intermediate-level Foreign Language may be included Liberal Studies electives. (3) Six credits of computer languages may be used to meet foreign language requirement: CO 220, 310, or other higher-level CO courses with departmental permission in consultation with the Computer Science Department	Additional science: PY111/121 Physics I lecture/lab 4sh PY 112/122 Physics II lecture/lab 4sh Foreign Language Intermediate Level (3,4) 0-6 sh Free electives: 9-16 Total Degree Requirements: 124 (1) Summer field camp in geology (5-9sh) is strongly recommende (2) A maximum of six credits from approved summer field camp may apply to a required core and controlled electives (3 sh). (3) Intermediate-level Foreign Language may be included in Liberal Studies electives. (4) Six credits of computer languages may substitute for the foreign language requirement: CO110 and CO310 (recommended) other higher-level CO courses with department permission in consultation with the Computer Science Department

Summary and Rationale:

The Department of Geosciences requests permission to change our mathematics requirement to include the sequence MA 121/MA 122 in addition to MA 123/MA 124. This will bring our math requirement into line with our chemistry requirement, which currently gives students the option of taking either the basic introductory sequence (CH 111/112) or a more rigorous introductory course (CH 113/114). After two years of requiring all students to take the more rigorous mathematics course, we have found that transfer students from other campuses and students without previous computer experience are often set back by the need to learn the Mathematica computer program in order to pass the MA 123/MA 124 sequence. We will continue to encourage all our students to take calculus at the most rigorous level they can handle, but we would also like to give them the option of a solid but less computer-oriented course. Given the recent change in CO 110 Problem Solving and Structured Programming from use of FORTRAN to C++ (using a procedural approach) and the continued use of C++ in CO 310 Data Structures (using an object oriented approach), we believe that the sequence CO 110 and CO 310 is more appropriate to our students' needs than CO 220 and CO 310. This change has been expressly recommended and endorsed by the Computer Science Department. We changed the wording from may be used to meet to may substitute for in footnote (4) as suggested by the college curriculum committee. The change in Physics requirement simply reflects the existing Physics introductory sequence. The 1997-1998 catalog mistakenly lists PY 111 Physics I lecture (4sh) and PY 112 Physics II lecture (4sh) when it should have listed PY 111/121 Physics I lecture/lab (4sh) and PY 112/122 lecture/lab (4sh). We are taking this opportunity to correct this error. Finally, we request permission to add the existing course GS 380, Research Techniques in Geoscience, to our list of required core courses. GS 380 was created in 1995 specifically to be a core course taken by first-semester seniors, but mistakenly was not included as such in our 1995 program revision. We apologize for this error and would like to rectify it. GS 380 Research Techniques in Geoscience gives students an overview of geologic research techniques as well as experience in carrying out a geologic research project and then writing it up for professional

publication. It was designed to form the research basis on which students could build when taking the required second-semester senior course, GS 480 Geoscience Seminar. Since most of our seniors already take GS 380 as a controlled elective, adding this course to the core will simply ensure that all students enter GS 480 with equal footing. The addition of GS 380 (2sh) to our core will not significantly impact the number of free electives that remain in the major. Free electives will decrease from a range of 11-18sh to 9-16sh. This change will put us on par with the BS in Chemistry (9-17 free electives) and the BS in Biology (13 free electives.)

B. Bachelor of Science - Environmental Geoscience

CURRENT PROGRAM	PROPOSED PROGRAM
BS Environmental Geoscience	BS Environmental Geoscience
Liberal Studies: As outlined in Liberal Studies section with the following specifications: 56-57	Liberal Studies: As outlined in Liberal Studies section with the following specifications: 56-57
Mathematics: MA 123	Mathematics: MA 121 or 123
Natural Science: CH 111-112 or 113-114	Natural Science: CH 111-112 or 113-114
LS electives: MA 124, no course with GS prefix	LS electives: MA 122 or 124, no course with GS prefix
Major:	Major:
Required courses: 27	Required courses: 29
GS121 Physical Geology 3sh	GS121/122 Physical Geology lecture and lab 4sh
GS122 Physical Geology Lab 1sh	GS131/132 Historical Geology lecture and lab 4sh
GS131 Historical Geology 3sh	GS310 Environmental Geology 3sh
GS132 Historical Geology Lab 1sh	GS321 Mineralogy 3sh
GS310 Environmental Geology 3sh	GS322 Igneous and Metamorphic Petrology 3sh
GS321 Mineralogy 3sh	GS325 Structural Geology 3sh
GS322 Igneous and Metamorphic 3sh	GS331 Hydrogeology 3sh
GS325 Structural Geology 3sh	GS332 Geochemistry 3sh
GS331 Hydrogeology 3sh	GS380 Research Techniques in Geoscience 2sh
GS332 Geochemistry 3sh	GS480 Geoscience Seminar 1sh
GS 480 Geoscience Seminar 1sh	Other requirements: 23-30
	Biology sequence:
Other requirements: 15	BI111 Principles of Biology I 4sh
Biology sequence:	BI250 Principles of Microbiology 4sh
BI111 Principles of Biology I 4sh	Chemistry sequence:
BI250 Principles of Microbiology 4sh	CH231 Organic Chemistry I 4sh
Chemistry sequence:	CH323 Analytical Methods 4sh
CH231 Organic Chemistry I 4sh	
CH323 Analytical Methods 4sh	Controlled electives: 8-9
	BI112 Principles of Biology II 4sh
Controlled electives:	BI272 Conservation of Plant & Animal Resources 3sh
BI112, BI272, BI321, BI362, CH322, CH341,	BI321 Environmental Protection I 3sh
CO110, CO220, CO250, GE314, GE415,	BI322 Environmental Protection II 3sh
GS326, GS327, GS411, GS432, GS440,	BI362 Ecology 3sh
PY111/121(1), PY112/122	CH322 Instrument Analysis 4sh
	CH341 Physical Chemistry I 4sh
Foreign Language Intermediate Level (2,3) 0-6 sh	CO110 Problem Solving & Structural Programming 3sh
	CO250 Intro. to Numerical Methods 3sh
Free electives: 10-18	CO310 Data Structures 3sh
	GE314 Map & Photo. Interpretation 3sh
Total Degree Requirements: 124	GE343 Geography of Fresh Water
(1) Students who plan to pursue an advanced degree in environmental geoscience are strongly advised to take the physics sequence as their controlled electives.	

(2) Intermediate-level Foreign Language may be included Liberal Studies electives. (2) Six credits of computer languages may be used to meet foreign language requirement: CO 220, 310, or other higher-level CO courses with departmental permission in consultation with the Computer Science Department	Resources 3sh GE415 Remote Sensing 3sh GE417 Technical Issues in GIS 3sh GS326 Field Geology 3sh GS327 Geomorphology 3sh GS411 Sedimentary Petrology 3sh GS412 Stratigraphy 3sh GS432 Coal Geology 3sh GS440 Subsurface Geology 3sh One summer field course: GS336 Geology of the N. Rockies or 3sh GS337 Geology of Newfoundland or 3sh GS338 Geology of the American South-west or 3sh GS331 Carbonate Geology—Florida 3sh PY111/121 Physics I lecture/lab (1) 4sh PY112/122 Physics II lecture/lab 4sh Foreign Language Intermediate Level (2,3) 0-6 sh Free electives: 8-16 Total Degree Requirements: 124 (1) Students who plan to pursue an advanced degree in environmental geoscience are strongly advised to take the sequence as their controlled electives. (2) Intermediate-level Foreign Language may be included Liberal Studies electives. (3) Six credits of computer languages may substitute for the foreign language requirement: CO110 and CO310 (recommended), or other higher-level CO courses with department permission in consultation with the Computer Science Department

Summary and Rationale:

The Department of Geosciences requests permission to change our mathematics requirement to include the sequence MA 121/MA 122 in addition to MA 123/MA 124. This will bring our math requirement into alignment with our chemistry requirement, which currently gives students the option of taking either the basic introductory sequence (CH 111/112) or a more rigorous introductory course (CH 113/114). After two years of requiring all students to take the more rigorous mathematics course, we have found that transfer students from other campuses and students without previous computer experience are often set back by the need to learn the Mathematica computer program in order to pass the MA 123/MA 124 sequence. We will continue to encourage all our students to take calculus at the most rigorous level they can handle, but we would also like to give them the option of a solid but less computer-oriented course. Given the recent change in CO 110 Problem Solving and Structured Programming from use of FORTRAN to C++ (using a procedural approach) and the continued use of C++ in CO 310 Data Structures (using an object oriented approach), we believe that the sequence CO 110 and CO 310 is more appropriate to our students' needs than CO 220 and CO 250. This change has been both recommended and endorsed by the Computer Science Department. Because of these changes, we seek to delete CO 220 from the list of controlled electives. We changed the wording from may be used to meet to may substitute for in footnote (4) as suggested by the college curriculum committee. We also request permission to add the existing course GS 380, Research Techniques in Geoscience, to our list of required core courses. GS 380 was created in 1995 specifically to be a core course taken by first-

semester seniors, but mistakenly was not included as such in our 1995 program revision. GS 380 Research Techniques in Geoscience gives students an overview of geologic research techniques as well as experience in carrying out a geologic research project and then writing it up for professional publication. It was designed to form the research basis on which students could build in taking the required second-semester senior course, GS 480 Geoscience Seminar. Since most of our seniors already take GS 380 as a controlled elective, adding this course to the core will simply ensure that all students enter GS 480 with equal footing. The addition of GS 380 (2sh) to our core will not significantly impact the number of free electives that remain in the major. Free electives will decrease from a range of 10-18sh to 8-16sh. This change will put us on par with the BS in Chemistry (9-17 free electives) and the BS in Biology (13 free electives). Finally, we want to add several additional Geography and Geoscience courses and one Biology course to our list of controlled electives from which our Environmental Geoscience students can choose 8-9sh of upper-level course work. These courses either focus on newly developed technologies such as GIS (Geographic Information Systems), are appropriate for increasing the students knowledge of environmental protection, or allow students to further develop their field geology skills with Stratigraphy or with one of the department's summer regional field courses in the Northern Rockies, Newfoundland, American Southwest or Florida. Due to their specialized regional nature, we are restricting students to use of one summer regional field course in the controlled elective category. Other field courses may be taken as free electives if desired.

C. Course revisions:

GS 480 Geoscience Seminar
Current Course Description: 1 credit
GS 480 Geoscience Seminar var-1sh
For seniors majoring in some aspect of geoscience. The seminar (1) provides the student with an opportunity to prepare, formally present, and defend a scientific paper based either on his/her own research or on a topic chosen with the approval of instructor and (2) provides opportunity to discuss topics presented by other students, faculty, or guests.
Proposed Course Description:
GS 480 Geoscience Seminar 1 credit
Prerequisites: GS 380, senior standing (var-1sh)
For seniors majoring in some aspect of geoscience. The seminar (1) provides the student with an opportunity to prepare, formally present, and defend a scientific paper based either on his/her own research or on a topic chosen with the approval of instructor and (2) provides opportunity to discuss topics presented by other students, faculty, or guests.
Rationale:
GS 380 and GS 480 are intended to form a continuous sequence for senior undergraduates, allowing them to pursue a research topic in the fall semester, when weather conditions are optimal for field work, and then prepare their research for professional-style presentation in the following spring semester. By making GS 380 a pre-requisite for GS 480, students will be given the advantage of carrying out their research and field work in the fall of their senior year, instead of squeezing both field work and paper presentation into a single harried semester. Although the course number and catalog description make senior standing explicit, we have occasionally had students who are juniors register for the course. These students have later dropped or withdrawn from the course. We wish to emphasize that the course is for seniors.

GS 336, GS 337, GS 338

Summary: The Department of Geosciences proposes to change the prerequisite for three of our regional field trips (GS 336, 337, 338) from (current) prerequisite: Permission of instructor to (proposed) prerequisites: Permission of instructor and/or at least 14 sh of Geoscience courses. By and/or we mean that students must have the permission of the instructor, but that the instructor may waive the 14 sh of Geoscience courses (e.g., a student may have only 11 sh of Geoscience courses).

Current Course Description:

GS 336 Geology of the Northern Rockies 3 credits
Prerequisite: Permission of instructor (var-3sh)
A field study of the major geologic features and relationships involved in the development of the northern Rocky Mountains. National Park and Monument areas of South Dakota, Wyoming, and Montana are included among the areas investigated. (three weeks, summer only)

Proposed Course Description:

GS 336 Geology of the Northern Rockies 3 credits
Prerequisites: Permission of instructor required; at least 14 sh of Geoscience courses recommended (var-3sh)
A field study of the major geologic features and relationships involved in the development of the northern Rocky Mountains. National Park and Monument areas of South Dakota, Wyoming, and Montana are included among the areas investigated. (three weeks, summer only)

Current Course Description:

GS 337 Geology of Newfoundland 3 credits
Prerequisite: Permission of instructor (var-3sh)
A field course designed to utilize the exceptional and diverse geologic features of Newfoundland for instruction of departmental majors and minors in tectonic analysis utilizing sedimentologic, stratigraphic, and paleontologic observations. (three weeks, summer only)

Proposed Course Description:

GS 337 Geology of Newfoundland 3 credits
Prerequisites: Permission of instructor required; at least 14 sh of Geoscience courses recommended (var-3sh)
A field course designed to utilize the exceptional and diverse geologic features of Newfoundland for instruction of departmental majors and minors in tectonic analysis utilizing sedimentologic, stratigraphic, and paleontologic observations. (three weeks, summer only)

Current Course Description:

GS 338 Geology of the American Southwest 3 credits
Prerequisite: Permission of instructor (var-3sh)
A field study of the major geologic features and relationships exposed in the American Southwest, including the Colorado Plateau, the Rio Grande Rift, Death Valley, and parts of the Southern Rocky Mountains. (three weeks, summer only)

Proposed Course Description:

GS 338 Geology of the American Southwest 3 credits
Prerequisites: Permission of instructor required; at least 14 sh of Geoscience courses recommended (var-3sh)
A field study of the major geologic features and relationships exposed in the American Southwest, including the Colorado Plateau, the Rio Grande Rift, Death Valley, and parts of the Southern Rocky Mountains. (three weeks, summer only)

Rationale:

The Geoscience Department has four regional field trips (GS 336, 337, 338, and 441). We wish to change the prerequisites for GS 336, 337, and 338 to be more in line with the prerequisites for GS 441 (Carbonate Geology-Florida). Typically, students take these regional field trips in the summers between their sophomore and junior years and between their junior and senior years. Even though the course numbers indicate that these courses are intended for juniors (or, at least, after the sophomore year), occasionally we have students attempting to take these courses in the summer between their freshman and sophomore years. To emphasize to students that these field courses are indeed upper level courses, we propose changing the prerequisite to at least 14 sh of Geoscience courses and/or permission of instructor. These 14 sh hours will typically include GS 121/122 Physical Geology lecture and lab (4 sh), GS 131/132 Historical Geology lecture and lab (4 sh) and two other geoscience courses. Other combinations, particularly for Geoscience education students, might include GS 111/112 Earth Science for Educators I lecture and lab (4 sh), GS 113/114 Earth Science for Educators II lecture and lab (4 sh), and two other geoscience courses. On these regional field trips it is important that students have not only the disciplinary knowledge to understand what they are observing, but also the maturity to participate in the many field and camping responsibilities that accompany all field experiences.

Motion **APPROVED**.

Motion to approve the following:

3. New Course - Department of Spanish

SP 451 Conversation Forum 2c-01-2sh
Prerequisite: SP 321 or equivalent
Course Description:
Extensive work on the development of speaking skills at the "Advanced Low" level of oral proficiency, as defined in the Speaking Guidelines developed by the American Council on the Teaching of Foreign Languages. Focus on paragraph-length discourse and narration and description in present, past, and future time frames within a variety of topics and contexts.
Rationale:
The course is being proposed in an effort to provide conversation practice for students who have just completed study abroad programs, have taken most or all of the required courses in Spanish, but still need further oral practice in order to achieve the "Advanced Low" level of oral proficiency, as defined by the scale developed by the American Council on the Teaching of Foreign Languages (ACTFL). Secondary Education/Spanish majors must demonstrate Advanced Low speaking ability as a prerequisite for completing the student teaching experience

Motion **APPROVED**.

Motion to approve the following:

4. New Course and Course Revision - Department of Mathematics

A. New Course
MA 455 Seminar in Teaching Probability and Statistics 1c-0l-1sh
Course Description:

Seminars are designed for the pre-student teacher. Students in each class will gain insights into the problems in teaching each topic and become aware of the materials available and methods of instruction geared to the secondary mathematics student. Education majors only.
Rationale:
The Mathematics Department currently offers 1-hour seminars in teaching General Mathematics, Algebra, and Geometry for students majoring in Mathematics Education. This course, Seminar in Teaching Probability and Statistics, would provide an additional opportunity for students to develop techniques and materials for integration into the 7-12 curriculum. Probability and statistics are presently listed among the Pennsylvania Academic Standards for grades K-12 and are among the standards recommended by the National Council of Teachers of Mathematics.

B. Course Revision

Current title and catalog description:
MA 459 Computer-related Topics in the Elementary and Middle School 3c-0l-3sh
Prerequisites: MA 152, Elementary Education concentration
Provides teachers with the concepts and techniques necessary to teach computer-related topics to children. Participants will work with elementary school children throughout the semester.
Proposed title and catalog description:
MA 459 Technology in Elementary and Middle School Mathematics Instruction 3c-0l-3sh
Prerequisites: MA 152, Elementary Education concentration
This course is intended to develop the knowledge, skills, and perspectives required for using educational technology in teaching mathematics at the elementary and middle school levels. Participants will have hands-on experiences with technology.
Rationale**:**
The title and description changes are in keeping with changes in the field of technology for mathematics education that includes more than computer and computer-related technology. Further, the field has shifted away from learning about the technology and instead, toward learning tools and how they can be successfully integrated into the curriculum. Additionally, a field experience is not a necessary part of the course. Proposed changes keep this course description current.

Motion **APPROVED**.

Motion by Senator Anderson, seconded by Senator Soni, to separate items A and B (below) when voting on approval. Motion **APPROVED**.

Motion to approve the following:

5. Course Revisions - Department of Hotel, Restaurant, and Institutional Management

A. HR 413
Current title and catalog description:

HR 413 Food Systems II 1c-6l-4sh
Prerequisites: HR 313, 356, 401, and permission; professional chef uniform required
Food systems course with emphasis on restaurant and dining room operation. Experiences to include selection of classic cuisines, meal promotion methods, budget development, personnel training, production, and service.
Proposed title and catalog description:
HR 413 Advanced Restaurant Operations 1c-6l-4sh
Prerequisites: HR 313 and permission
A food and beverage systems course with emphasis on restaurant front and back-of-house operations management. Students research, plan, prepare, and present theme-oriented dinners showcasing selected domestic and international cuisine. Students function as both operations employees and managers within the department's food and beverage operation.
Rationale:
This course concerns itself with the presentation and application of service and production skills necessary for successful commercial restaurant operation. The change in title, prerequisites, objectives, and syllabus reflect this intention in a clearer manner than the old syllabus documentation. The old prerequisites will be taken before students enroll in HR 313, which remains a prerequisite. A professional chef's uniform is a requirement for HR 313.

Motion **APPROVED**.

Motion to approve the following:

B. HR 420
Current title and catalog description:
HR 420 Hotel Sales and Service 3c-0l-3sh
Prerequisites: BL 235 and HR 306
Examines the types of hotels, facilities, and organizations that hold conventions or meetings for the sales perspective. Examination of procedures necessary to service the group once in-house.
Proposed title and catalog description:
HR 420 Hotel Sales 3c-0l-3sh
Prerequisites: HR 101 and HR 260
A practical approach to understanding the functions and activities of the sales department within a hotel property. A through review of the organizational structure of a typical hotel sales department and documentation used by the department will be made. Identification of and approaches to securing typical hotel market segments will be made.
Rationale:
The course as originally approved does not address the hotel's relationship with typical market segments nor does it address in detail the substantial documentation and internal hotel networking involved with the selling and servicing of hotel functions. Course revision adds these competencies to the formal syllabus. The prerequisite, BL 235, was eliminated as a comprehension of business law concepts is not essential for enrollment in this course. The prerequisite, HR 306, was eliminated for a similar reason. The new prerequisites, HR 101 and HR 260, were added as the faculty deemed a knowledge of these areas desirable prior to enrollment in the course.

Motion **APPROVED** by hand vote, 60 in favor, 37 against, and 16 abstentions.

Motion to approve the following:

6. Program Revision - College of Humanities and Social Sciences - Interdisciplinary Minor

Minor in Asian Studies
Catalog Description and Rationale:
The Asian Studies Minor is designed to increase awareness of the world's largest, most populous, and most diverse continent. Its purpose is to combine an area focus with liberal studies requirements of the IUP curriculum. The minor provides an opportunity to increase awareness and understanding of Asian cultures, environments, and peoples. It adds depth to the liberal studies portion of the students' program, enhances job skills, and prepares students for post-graduate programs with area or regional themes. Students complete a minimum of 18 credits outside of their major. At least four courses (12 credit hours) including three different departmental prefixes must come from Category A "Exclusively Asia-Focused." One Asian "Critical Language" course may apply to the Category A requirement. Other courses may come from either Category A or Category B "Substantially Asia-Focused." Special topics and independent study courses may be applied to either category with the approval of the Asian Studies Committee.
Category A: "Exclusively Asia-Focused Courses" are devoted to a combination or subset of the following topics: the continent of Asia (as defined by International Geographical Union convention), its physical environments, and the human systems and cultures indigenous to the region.
Category B: "Substantially Asia-Focused Courses" have significant material specifically about the continent of Asia, its physical environments, and the human systems and cultures indigenous to the region. The remainder of the course material establishes relevant comparisons and contexts for Asian themes.
For further information on the Asian Studies Minor, contact the College of Humanities and Social Sciences, 201 McElhaney, (724) 357-2280

CURRENT PROGRAM::	3sh	PROPOSED PROGRAM::	3sh
AH424 Art of the East	3sh	AN/SO 273 Culture Area Studies: Southeast Asia	3sh
GE256 Geography of East Asia	3sh	GE256 Geography of East Asia	3sh
GE257 Geography of South and Southeast Asia	3sh	GE257 Geography of South and Southeast Asia	3sh
HI330 History of Islamic Civilization	3sh	HI330 History of the Islamic Civilization	3sh
HI331 History of the Modern Middle East	3sh	HI331 The Modern Middle East	3sh
HI335 History of the Far East	3sh	HI335 History of East Asia	3sh
PH311 Eastern Philosophy	3sh	PS383 Political Systems: Asia	3sh
PS383 Political Systems: Asia	3sh	PS384 Political Systems: Middle East	3sh
PS384 Political Systems: Middle East	3sh	RS311 Eastern Philosophy	3sh
RS312 Biblical History and Palestinian Archaeology	3sh	RS370 Religions of China and Japan	3sh
		RS375 Religions of India	3sh
		SO272 Culture Area Studies: China	3sh
			3sh
		Asian Critical Languages:	3sh
		CL101 Arabic I	3sh

	CL102 Chinese I	3sh
	CL105 Hindi I	3sh
	CL108 Japanese I	3sh
	CL109 Korean I	3sh
	CL151 Arabic II	3sh
	CL152 Chinese II	
	CL155 Hindi II	3sh
	CL158 Japanese II	3sh
	CL159 Korean II	3sh
	CL201 Arabic III	3sh
	CL202 Chinese III	3sh
	CL205 Hindi III	3sh
	CL208 Japanese III	3sh
	CL209 Korean III	3sh
	CL251 Arabic IV	3sh
	CL252 Chinese IV	3sh
	CL255 Hindi IV	3sh
	CL258 Japanese IV	3sh
	CL259 Korean IV	3sh
		3sh
	B: Substantially Asia-Focused	3sh
	EC339 Economic Development I	3sh
	EC345-W International Trade (Asia case study)	3sh
	EC346-W International Payments (Asia case study)	3sh
	EC350 Comparative Economic Systems	3sh
	GE104 Geography of the Non-Western World	3sh
	GE254 Geography of Russia and the Soviet Sphere	3sh
	LS499 Asian American Culture	3sh
	LS499 Cross Cultural Communication with Asia	3sh
	PS101 World Politics	3sh
	PS285 Comparative Government II: Non-Western Political Systems	3sh
	RS110 World Religions	3sh
	RS380 Islam	3sh

Motion **APPROVED**.

Motion to approve the following:

7. Catalog Revision - The College of Humanities and Social Sciences

Critical Language Program
Current Catalog Description:
The Critical Language program is a self-instructional/tutorial approach to less commonly taught foreign languages. Students meet with a tutor three hours per week in addition to practicing with audio cassettes. Most tutors are native speakers of the language. Professional teachers of the specific language may be brought in from other universities to evaluate student performance. The final grade is based on final examination as well as on performance during the tutorial sessions. Interested students must contact the coordinator before registration. Each Course carries three semester hours of credit. The following languages may be available for study: Arabic, Chinese, Dutch, Modern Greek, Modern Hebrew, Hindi, Hungarian, Italian, Japanese, Korean, Portuguese, Russian, and Turkish.
Proposed Catalog Description:
The Critical Language program is a self-instructional/tutorial approach to less commonly taught foreign languages. Students meet with a tutor three hours per week in addition to practicing with audio cassettes. Most tutors are native speakers of the language. Professional teachers of the specific language may be brought in from other universities to evaluate student performance. The final grade is based on final examination as will as on performance during the tutorial sessions. Interested students must contact the coordinator before registration. Each Course carries three semester hours of credit. The following languages may be available for study: Arabic, Chinese, Dutch, Finnish, Hindi, Hungarian, Japanese, Korean, Modern Greek, Portuguese, Russian, Swedish, Hebrew, and Swahili

Motion **APPROVED**.

Motion to approve the following:

8. New Program - The College of Natural Sciences and Mathematics - Cooperative program of the Departments of Biology and Chemisty

Minor in Biochemistry		17-20 sh
The total semester hours will depend on the controlled electives used (9 sh minimum required to 12 sh for three 4 sh electives).		
Required courses:		
BC301	Biochemistry I [a]	3 sh
BC302	Biochemistry II	3 sh
BC311	Biochemistry Laboratory I [a]	1 sh
BC312	Biochemistry Laboratory II	1 sh
Other requirements:		
At least three controlled electives from following list (1):		9-12 sh
BC480	Biochemistry Seminar I	1 sh
BC481	Special Topics in Biochemistry	1-3 sh
BC490	Biochemistry Seminar II	1 sh
BI250	Principles of Microbiology [b, d]	3 sh
BI263	Genetics [b]	3 sh

BI350	Cellular Physiology	3 sh
BI352	Comparative Animal Physiology [d]	3 sh
BI364	Immunology [d]	3 sh
BI401	Laboratory Methods in Biology and Biotechnology [d]	3 sh
BI453	Plant Physiology [d]	3 sh
CH232	Organic Chemistry II [c]	4 sh
CH322	Instrumental Analysis [c, d]	4 sh
CH323	Analytical Methods	4 sh

(1) Or other 200-level or higher Biology or Chemistry courses with permission of chairperson of offering department. A minimum of 9 sh is required.

[a] BI111, Principles of Biology I and CH232, Organic Chemistry II are prerequisites.

[b] Required for Biology major.

[c] Required for Chemistry major.

[d] These courses have prerequisites not needed for the required courses.

Rationale:

One perspective of the field of biochemistry is that it occupies a 'middle ground' on a continuum of subdisciplines in the natural sciences whose inquiries range from studies of the elemental particles of matter to the behavior of ecosystems. In establishing the Biochemistry Program in 1984, IUP and SSHE recognized the fundamental importance of biochemistry as a field of study in its own right.

The structure of the curriculum for the Biochemistry Major reflects the high degree of interdependence and complementarity among the fields of biology, chemistry, and biochemistry. Thus, biochemistry majors begin with a foundation in biology and chemistry and then take specialized courses in biochemistry. The core of this specialized curriculum is a two semester lecture/lab series, BC301-302 and BC311-312. In these courses, students gain an understanding of the current knowledge and theoretical underpinnings of biochemistry and hands-on practice in basic methods employed in biochemical research. This background is essential for anyone wishing to pursue a career in biochemistry.

The rationale for the development of a Minor in Biochemistry is that the knowledge, theory, and laboratory tools of biochemistry are now relevant in an expanding array of other fields. These range from closely-related or overlapping fields (i.e., medicinal chemistry, molecular biology, genetics, immunology) to developing interdisciplinary fields (i.e., neuroscience, behavioral science, studies of global change) to distantly-related fields (i.e., archeology, criminology). Biologists and chemists in virtually all areas of specialization utilize the theory and skills taught in biochemistry. The goal of this proposal is to make the core biochemistry courses more available and attractive to students whose primary interests are in fields other than biochemistry. A Minor in Biochemistry will provide these students with a background that will allow them to apply biochemistry in their chosen fields.

We recognize that the Minor in Biochemistry will probably be most attractive to Biology and Chemistry majors. These students will be able to use major's courses to fulfill part of the elective requirements for the minor. Also, a Minor in Biochemistry will be an asset to any of these students seeking admission to graduate and professional schools. The growing importance of biochemical approaches in chemistry is reflected in the recent recommendation of the American Chemical Society that chemistry majors in ACS-certified B.S. programs should have coursework in biochemistry. The Biochemistry Minor may also be attractive to majors in such complementary fields as Food and Nutrition Science, Nursing and Allied Health Professions, and Safety Science. Given the relevance of biochemistry and the widespread use of biochemical laboratory methods in these areas, a Minor in Biochemistry could be an advantage to students entering the job market in any of these fields. The continuing growth of medical and

agricultural biotechnology and biopharmaceutical industries will provide excellent career opportunities for graduates with a Minor in Biochemistry.

Motion **APPROVED**.

GRADUATE COMMITTEE—Co-Chairpersons Kondo and Nowell

Motion to approve the following:

New Graduate Admissions Category:

Life-Long Learners
This admission category has been designed to meet the needs of persons holding undergraduate or graduate degrees who are not seeking a graduate degree. This simplified admission process requires only the submission of an abbreviated application and a one-time, non-refundable application fee. Credits earned under this admission category will be posted to a graduate transcript, but will not normally be applied to any IUP graduate degree program. If someone admitted under the life-long learner category later decides to pursue a graduate degree at IUP, a regular application will be required.

Motion **APPROVED**.

Motion to approve the following:

New Course:

HS 601 Analysis of Social Data **3c-0l-3s.h.**
Covers fundamental concepts in social research and the role of statistics in describing distributions of characteristics in a population and analyzing quantitative relations between variables; basic univariate descriptive and inferential statistics; bivariate correlation, regression, and discrete measures of association; analysis of variance and the foundations of multiple regression. The course emphasizes both statistical problem solving using human services examples and the use of SPSS and/or other relevant software to describe and analyze data.

Motion **APPROVED**.

Motion to approve the following:

New Dual-Level Course:

CM 508 Media Field Studies **3c-0l-3s.h.**
A hands-on course designed to help the students learn about the production process involving on-location production. The course will have three distinct phases. Students will begin with research and pre-production tasks on campus. Students will travel to an off-campus site to collect additional information and images and use those images to complete a production. Students will be responsible for travel expenses. **Prerequisite:** Permission from the instructor.

Motion **APPROVED**.

LIBRARY AND EDUCATIONAL SERVICES COMMITTEE—Co-Chairpersons Pagnucci & Popp

No report.

NONCREDIT COMMITTEE—Chairperson Wolfe

No report.

NEW BUSINESS

There was no new business.

The meeting was adjourned at 4:50 p.m.

Respectfully submitted,

Cathleen Ray
University Senate Secretary