

MINUTES
THE WEST VIRGINIA UNIVERSITY FACULTY SENATE
Monday, January 11, 2010

1. Professor Nigel Clark, Faculty Senate Chair, called the meeting to order at 3:15 p.m. in Assembly Rooms A/B, NRCCE.

Members Present:

Abate, M.	Chalupa, C.	Hornsby, G.	Nestor, P.	Spleth, J.
Abraham, R.	Clark, B.	Huffman, V.	Oberhauser, A.	Stack, S.
Ahern, T.	Connors, J.	Hutson, Z.	Olson, K.	Steranka, P.
Ameri, S.	Cottrell, L.	Insch, G.	Parks, E.	Stuchell, R.
Anderson, J.	Davari, A.	Iskander, W.	Paul, S.	Tallaksen, R.
Anderson, K.	Davis, S.	Jackowitz, A.	Peace, G.	Tower, L.
Atkins, C.	DiBartolomeo, L.	Jones, D.	Perone, M.	Tuninetti, A.
Banta, L.	Edwards, B.	Kale, U.	Perry, J.	Turton, R.
Bastress, R.	Elmore, S.	Kirby, B.	Petronis, J.	Urbanski, J.
Bergner, G.	Famouri, P.	Kleist, V.	Petty, T.	Walker, E.
Bilgesu, I.	Fleming, S.	Kuhlman, J.	Rafter, J.	Walls, T.
Blaydes, S.	Fredette, H.	Latimer, M.	Robbins, J.	Watson, J.
Bonner, D.	Funk, A.	Mancinelli, C.	Rockett, I.	Wenger, S.
Boyles, J.	Graber, S.	Mandich, M.	Ruscello, D.	Wilcox, G.
Branch, D.	Harner, J.	McDiarmid, M.	Ryan, K.	Wilson, M.
Brazaitis, M.	Hartman, K.	Meckstroth, R.	Schreurs, B.	Woloshuk, J.
Bredehoft, T.	Hash, K.	Miller, M.	Schwartz, S.	
Brooks, C.	Hessl, A.	Miltenerberger, M.	Scott, H.R.	
Campbell, L.	Higgins, C.	Mucino, V.	Sherlock, L.	
Carpenter, R.	Hogan, T.	Nath, C.	Siegrist, J.	

Members Absent:

Bryner, R.	Comer, P.	Hazard, H.	Whiteman, C.
Chetlin, R.	Cottrell, S.	Hunter, S.	

Members Excused:

Behling, R.	Hall, D.	Hileman, S.	Phillips, J.	Sand-Jecklin, K.
Brooks, J.	Hermosilla, P.	McCombie, R.	Plein, C.	Zimmerman, P.

FS Officers:

Clark, N.	Griffith, R.	Nutter, R.	Stolzenberg, A.
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2. Chair Clark moved, and it was duly seconded, to approve the minutes from the Monday, December 14, 2009 Faculty Senate meeting. Motion carried.
3. President Clements said the University is off to a good start this semester, and there's a lot of energy in the air with the returning of students.

The President thanked the University for sending cards, e-mails, and making telephone calls to C. Peter Magrath concerning the passing of his wife, Deborah Howell. The past interim president has been touched by the University's response, and President Clements encouraged everyone to continue to reach out to him because he appreciates it very much.

The President reported on the following issues:

- Professor Michael Perone did an awesome job when he sang the “Star Spangled Banner” at the Rutgers game. He really motivated the WVU team.
- Thank you to Provost Wheatly and Chancellor Colenda for joining the University.
- The Governor announced a 3.4% budget reduction by January 20th for state agencies; although, stimulus money will be available this year. The net result should be an even budget. This is a reminder of the national economy and what is going on and the challenges that might be ahead for the State of West Virginia. According to the research office, 35 states have had significant budget cuts in order to compensate, tuition is being increased and employees are being laid off. Governor Manchin and the state legislators are working hard to keep things steady for WVU.
- The budget needs to be planned strategically, so now that Provost Wheatly is here we can start laying the foundation for the next strategic plan. Goals need to be set and they are always tied to budget, but we will keep moving forward.
- Faculty lines need to be added because work load is too high, and the student faculty ratio is too high.
- Potential retirements are coming, so we have to be competitive in recruiting and retaining faculty members.
- Facilities need to be renovated to support research.
- We need to be more inclusive and internationally recognized with more international programming.
- We need to improve student support structures.
- We have a lot of information technology systems that need modernized.
- There is not a university in the country that means as much to its state as we mean to West Virginia. We have a responsibility to keep going in tight budget times. We will work with our state leaders. The president said he will work with campus leadership and financial officers to make sure we keep moving. There will not be any big year cuts, and we will be okay going into 2010 with the stimulus money.

4. Provost Michele Wheatly said she has been overwhelmed by the outpouring of letters, cards, flowers, and gifts by the Mountaineer family. She said she has been treated like royalty, and the contributions are acknowledged and appreciated. She has travelled between Ohio and WV so she could finish initiatives before starting as WVU’s Provost in 2010. She has appreciated everyone’s help during her transition.

The Provost listed three important topics that she would like to pursue:

1. The University will be involved with the planning processes of the Health Sciences Center.

Regional partners, the community, state agencies, academic affairs, faculty, teaching, education of students, research and discoveries will make the role as provost very large.

2. The 100 faculty lines will be distributed over a few years, so a planning process will be implemented. Enrollment pressures have been generated because of student growth;

before the holiday break, deans were asked to write a proposal for additional faculty lines. The proposals have been received, so at the first Council of Dean's meeting on Wednesday, the deans will defend their proposals. The greatest needs will be reviewed first, so a response can be given to the immediate enrollment pressures. Discussion about research will take place, and a decision will be made concerning cluster hiring, which is part of the 2010 plan.

Industries and businesses need to look at their practices in the years ahead because they pertain to people that are not in the main stream, which include individuals of color and people with disabilities. Education will be needed for a diverse population and a diverse work force.

3. Parental leave will be discussed. This was an issue brought to the administration by the Faculty Welfare Committee because nine month faculty do not accrue annual leave or sick leave. The Provost will constitute a parental leave task force, which will be chaired by Associate Provost C.B. Wilson. Chair Clark will serve on the committee to represent the Faculty Senate; Professor Hessl will represent the Faculty Welfare Committee; Bobbie Brandt will serve as legal representation and Toni Christian will serve as human resources representation. The Provost will ask for representation from the Staff Council as well.

The Provost reported on the following issues:

- Dean searches are underway for the Eberly College of Arts & Sciences, which is chaired by Dean Gene Cilento and the College of Business and Economics, which is chaired by Dean Joyce McConnell.
- Graduate programming and LIFE are planning to offer professional development opportunities for graduate students around the themes of preparation of electronic thesis and dissertations.
- Later this year, career planning exercises will take place with graduate students.
- International programs will offer a global corridor with representation from all colleges; a committee has been formed with representation across the campus to make sure WVU is headed in a positive direction with internationalism.
- An institute on advanced energy solution has been formed at the National Energy Technology Laboratory, which includes a consortial agreement among WVU, Carnegie Mellon, Penn State, Pitt and Virginia Tech. The contract is worth \$465 million dollars.
- The non-smoking task force is up and running.
- The process for salary enhancement for continued academic achievement is underway. There are bids out for \$33 million dollars for capital improvements to White Hall, which will be the new home for the Physics department.
- The Provost thanked everyone again for her warm welcome to WVU.

5. Chancellor Chris Colenda said multiple things are going on at the HSC that will directly impact the University. The HSC is made up of multiple health profession schools, but it has the added responsibility of the medical and dental education and the delivery of health care

services to people in the region and throughout the state. He said offering high quality and patient-centered care is a serious charge, and it will be a core principle for any strategic plan.

The Chancellor said he likes to walk around so he can see what people do on a daily basis. He said he was impressed by the dedication of the nursing staff and the physicians both at the house level and the faculty level, as well as technicians that are very sensitive to patient care needs. The Chancellor said that Ruby Hospital is made up of a complex patient population, and the health care providers do an outstanding job in terms of service delivery.

The Chancellor said one of the first issues to work on will be to develop a strategic planning process for the HSC. He said retreats have been held at the leadership level and goals have been discussed, which he calls, “the buckets of strategic planning.”

The Chancellor discussed the following goals:

- To create an academic culture of high purpose and accomplishment across the HSC that will align with the values and mission of WVU. Health professions include: education, research, and critical care. Those professions consist of high purpose in a culture of accomplishment and accountability.
- Develop an integrated health care organization that aligns with the academic mission which is teaching, patient care, research and outreach with the financial underpinnings that will allow us to succeed. In this 21st century, medicine will be required to be regionalized in order to meet all the academic missions, so we want to be good partners with the community and to be known regionally as a center of excellence within a system of health care delivery.
- This is a land grant institution, and it was founded from the “Morrill Act” of 1862, and we need to recommit ourselves to the engagement of community service. One of the things about academic health science systems is the transition of being “up on the hill” to “being out in the community” so we will be looking at the best way to accomplish that task.
- The second bucket is faculty governance. One of the things to look for when you have 400+ physicians, an equal number of other faculty, and approximately 100 biomedical scientists is to have a voice for faculty and to be able to access senior leadership at the HSC. Dr. Griffith is putting together a planning process for faculty governance so it can be implemented for the HSC faculty that will compliment the work as faculty senators.

The Chancellor said it is a high honor for him to be a Chancellor for the HSC. He said it is a job of a life time, and a dream come true. He appreciates all the help he has received.

6. Chair Clark said he would like to honor Jane Martin who has been at the helm of the University through difficult times and through joyful times and through 3 presidents. She served as interim provost and she stood by the side of C. Peter Magrath in putting the

ACCRO recommendations in place. She worked with Steve Robinson, the new registrar, and she has carried the University through until today. The Chair said he promised her a standing ovation, which she received. Jane will stay in Stewart Hall in an advisory role for awhile.

The Chair said a tragic accident took the life of Deborah Howell while she and her husband C. Peter Magrath were vacationing in New Zealand. These two were dedicated to one another, and he was only at WVU because of her grace to allow him to serve as president. The Chair encouraged good thoughts toward C. Peter Magrath.

The Chair said last semester the WVU calendar was presented for approval, but some faculty have seen some problems with it. The Chair said there are some old rules to follow, but because the way the weeks fall, there can be an early or late semester. The Chair asked the senators to think of the calendar carefully. One of the concerns is whether or not the semester needs to start on the same day of the week every time or end it the same week every time. He said in the future, the calendar will be discussed again.

The Chair said that Professor Steve Kite has been overseeing revisions for the Faculty Constitution, which was discussed at the December Senate Executive Committee meeting. When it has been approved by the Senate Executive Committee, the Constitution will be submitted to the Faculty Senate for its review and approval.

All three leaders are now on board (President, Provost, Chancellor) and sitting in the front row, so the Chair said changes and advances can move forward for implementation. He said he hopes to see strong engagement with faculty in crafting the future of the institution, and that faculty will engage with the administration. The most fundamental issues are missions and priorities, and we are committed to undergraduate education. The Chair said we have a land grant mission, which impacts the service to the state. We need to increase research, so this will impact graduate study, and we need more international visibility. At HSC, we have the delivery of clinical services to the University, and we cannot neglect any of these areas. We have to satisfy all of these things, so if we want to be selective, it will have to be within one of these areas. If we embark on new initiatives, they will have to mesh with existing programs because we cannot demand more effort or personnel.

The Chair said we need internal efficiency and communication processes, and we need to avoid duplication of activities. We need to explore opportunities at the curricular level, so we should think about merging with other departments/colleges so they can be a help to each another.

When C. Peter Magrath was interim president, he initiated the “Rescind Asinine Procedures Committee.” The Chair said that Committee is recommending a policies and procedures website, and there should also be a test for policies and procedures for new and renewed curriculum. Electronic processes are essential for efficient record keeping, so with Steve Robinson, Rehan Khan, and Curt Peterson working on these processes; there should be more consistency. The Chair said that internal communication needs to be complete and articulate so it will help with difficulties of the information age. The WVU financial system is

complex, and it extends into a large number of units and departments so mapping would help to convey its complexity to users.

7. Professor Bilgesu moved for approval of the following Curriculum Committee reports:

Annex I, New Courses and Course Changes. Motion carried.

Annex II, The Alteration Report, was submitted for information.

Annex III, New Course Numbers in the School of Nursing. Motion carried.

Annex IV, BSAE and BSME Curriculum Changes. On page 6 of the BSME document, “BSAE” will be replaced with “BSME.” Motion carried.

8. Professor Kirby moved for approval of Annex V, GEC Actions. Motion carried. Annex VI, GEC Audits, was presented for information.
9. The Chair said that the list of inactive courses is posted on the Faculty Senate website, so any course/s that faculty believe should be retained should be communicated to department chairs or division directors by Friday, January 15, 2010. The courses will be deleted unless there is action taken to keep them on the books.
10. Professor McDiarmid moved that the Faculty Senate adopt a resolution of sympathy for C. Peter Magrath. It was duly seconded. Motion carried.
11. The meeting adjourned at 4:15 p.m. to reconvene on Monday, February 8, 2010.

Mary Strife
Faculty Secretary

To: Faculty Senate Executive Committee
From: Ilkin Bilgesu, Chair, Faculty Senate Curriculum Committee
Date: December 21, 2009
Re: New Course and Course Changes

Davis College of Agriculture, Natural Resources, and Design

Forest Management

New Courses:

FMAN 450. Forest Valuation & Investment. 3 Hr. PR: FMAN 330. Asset valuation concepts, with special emphasis on forests. Financial analyses of forest operations. Concepts and strategies in forestland investment and portfolio management.

Rationale: Institutional forestland investors/owners (timberland investment management organizations, real estate investment trusts and others) are replacing traditional forest products companies as the dominant owners of private forestland in North America. These new owners view forestland in the context of an overall investment portfolio. Over the past two decades, significant employment opportunities have arisen for forestry professionals working either directly for institutional investors or for forestry consulting firms that provide management services to such institutions. This course will introduce students to the concepts of forestland valuation and investment and the role that forestland plays in modern investment portfolio management. This course will also provide students with the knowledge and skills necessary to perform financial analyses of forest operations and make management recommendations to institutional forestland owners based on these analyses. This course will serve as a Restricted Elective in the Forest Resources Management Program. (Effective Term: Spring 2010) (CIP 030501)

FMAN 650. Forest Valuation & Investment. 3 Hr. Asset valuation concepts, with special emphasis on forests. Financial analyses of forest operations. Concepts and strategies in forestland investment and portfolio management. (Effective Term: Spring 2010) (CIP 030501)

Rationale: Institutional forestland investors/owners (timberland investment management organizations, real estate investment trusts and others) are replacing traditional forest products companies as the dominant owners of private forestland in North America. These new owners view forestland in the context of an overall investment portfolio. Over the past two decades, significant employment opportunities have arisen for forestry professionals working either directly for institutional investors or for forestry consulting firms that provide management services to such institutions. This course will introduce students to the concepts of forestland valuation and investment and the role that forestland plays in modern investment portfolio management. This course will also provide students with the knowledge and skills necessary to perform financial analyses of forest operations and make management recommendations to institutional forestland owners based on these analyses. This course will serve as a Restricted Elective in the Forest Resources Management Program.

WMAN 160. Ecology of Invading Species. 3 Hr. Survey of invasive/exotic plant and animal species and their affects on native ecosystems, including the breakdown of natural barriers to invasion by the increase of world commerce which unites even widely dispersed resources. (Effective Term: Spring 2010) (CIP 030601)

Rationale: It has been said that, after human population growth, the explosion of invasive/exotic species in newly occupied habitats is the largest threat to the loss of biodiversity on this planet through amelioration of the reduction of abundance, to the point of extinction, of resident biota. Additionally, recent economic estimates place an annual net loss to the GNP of United States, alone, due to invasive/exotic species at > 1.5 billion USD. The fundamental program need in the Division of Forestry and Natural Resources is the sustainable harvest and management of natural resources. Any preventable loss to these resources should be studied and acted upon. The Wildlife and Fisheries (W/F) Program is an ideal location for this course, given the multidisciplinary nature of our undergraduate degree. While not required for graduation, the course can be used as a Restricted Elective in the W/F curriculum. The Ecology of Invading Species is expected to be an integral part of our proposed (in progress) Conservation of Natural Resources major. Moreover, the new course is a logical link between WMAN 150, Conservation Ecology, and WMAN 200, Restoration Ecology. The link to restoration is clear. It has been stated that “Biological invasions can be both the cause of degradation...and the driver of ecosystem change through restoration...”, Science 325:569-571, 2009. In addition, after approval, this course will be proposed for inclusion in the GEC in Objectives 2C and 9.

Eberly College of Arts and Sciences

New Courses:

Foreign Languages

JAPN 441. Japanese Culture. 3 Hr. PR: JAPN 301. A study of Japanese civilization, customs, and ethos. Taught in Japanese.

Rationale: This course will increase the curricular options for students pursuing the Japanese Studies minor. It will offer students an opportunity to deepen their understanding of Japanese culture and to develop their language skills in context, preparing them to contribute to an increasingly interdependent, multicultural world. (Effective Term: Spring 2010) (CIP 160101)

Social Work

SOWK 380. Child Welfare. 3 Hr. Introduction to issues in the field of Child Welfare. Includes policies, practice, protective services, family centered services, prevention, out of home placement, and in-home placement. (Effective Term: Spring 2010) (CIP 440701)

Rationale: This is a Social Work elective course that will be offered to Junior and Senior BSW students who have an interest in adoption, foster care, child protective services and learning more about the child welfare system in the United States. This course gives in depth instruction into the Child Welfare System and the role of social work practice within that system. Given the growing need for social workers within the Child Welfare system and the lack of licensed social workers, this course will provide the necessary knowledge and skills for those students pursuing this avenue upon graduation.

SOWK 619. Social Work in Vietnam & Cambodia. 3 Hr. PR: SOWK 520 and SOWK 540 and SOWK 513 and SOWK 531 and SOWK 621 and SOWK 633. Travel course which examines issues related to assessment and intervention in community health/mental health in Vietnam and Cambodia. (Effective Term: Spring 2010) (CIP 440701)

Rationale: The course is particularly relevant for graduate social work majors and those enrolled in graduate majors in the applied social sciences where an understanding of the interaction between health

maintenance and psychosocial interaction is relevant. This course will examine issues related to assessment and intervention in community health/mental health in Vietnam and Cambodia. Students will travel to Vietnam and Cambodia for a four-week period.

SOWK 653. End of Life Care. 3 Hr. On line course focused on social work with those who are dying and bereaved by death. Elective course to prepare the student for social work practice with clients coping with terminal illness, loss and grief. (Effective Term: Spring 2010) (CIP 440701)

Rationale: This course has been offered as an elective under the 693 Special Topics for 4 semesters, and it is required to have a permanent course number assigned.

College of Human Resources and Education

Special Education

Course Change:

From:

SPED 782. Professional Practice in Policy Analysis. 1 Hr. Supervised experience in identification and analysis of current or emerging areas of state or federal policy as it applies to special education or disability services.

To:

SPED 782. Professional Practice in Systems Advocacy. 1 Hr. Supervised experience in advocating for change in current emerging areas of state or federal policy as it applies to special education or disability services. (Effective Term: Spring 2010) (CIP 131001)

Rationale: This application requests a change in the title and catalog description for this course to reflect the learning objectives and content more accurately. The course actually goes beyond policy analysis to address how to advocate for systems change through preparing policy briefs, conducting policy maker visits, and advocating for services for individuals and families, so the title and description need to reflect that focus.

College of Physical Activity and Sport Sciences

Sport Management

New Course:

SM 640. International Sport Governance. 3 Hr. International Sport Governance. The course is focused on ways in which sport is organized and managed internationally, aims to foster critical thinking, research, exchange of ideas, writing about governance. (Effective Term: Spring 2010) (CIP 310501)

Rationale: International sport governance is a required course in the online sport management program in the College of Physical Activity and Sport Sciences. The course is designed to provide students with academic content that informs them of Sport Management as it is practiced worldwide. The globalization of the sport industry requires that all students be prepared to recognize the policy, political, and economic

impact of sport. Recently career opportunities have emerged for US students with an International world view, and those that possess a second language. This course provides students the opportunity to look beyond the United States as they consider the sport industry for academic, career and further professional development.

School of Dentistry

Orthodontics

Course Changes:

From:

ORTH 625-A. Seminar. 1-8 Hr. PR: Consent. Special seminars arranged for advanced graduate students.

To:

ORTH 627. Surgical Orthodontics. 1 Hr. PR: Consent. Diagnosis and treatment of patients that require surgical orthodontic treatment. (Effective Term: Fall, 2010) (CIP 510401)

Rationale: This course was a seminar utilizing a 625 A-H prefix and as per university guidelines the seminar is being replaced by a standard course.

From:

ORTH 625-C. Seminar. 1-6 Hr. PR: Consent. Special Seminars arranged for advanced graduate students.

To:

ORTH 628. Early Treatment. 1 Hr. PR: Consent. Diagnosis and treatment of young patients that require early orthodontic and orthopedic treatment. (Effective Term: Summer 1 2010) (CIP 510401)

Rationale: This course was a seminar utilizing a 625 A-H prefix and as per university guidelines the seminar is being replaced by a standard course.

From:

ORTH 625-E. Seminar. 1-6 Hr. PR: Consent. Special Seminars arranged for advanced graduate students.

To:

ORTH 629. Patient Management. 1 Hr. PR: Consent. Addresses the skills needed to effectively manage an orthodontic practice. (Effective Term: Fall 2010) (CIP 510401)

Rationale: This course was a seminar utilizing a 625 A-H prefix and as per university guidelines the seminar is being replaced by a standard course.

From:

ORTH 625-C. Seminar. 1-6 Hr. PR: Consent. Special seminars arranged for advanced graduate students.

To:

ORTH 630. Craniofacial Anomalies. 1 Hr. PR: Consent. Diagnosis and treatment of patients presented with craniofacial anomalies. (Effective Term: Spring 2010) (CIP 510401)

Rationale: This course was a seminar utilizing a 625 A-H prefix and as per university guidelines the seminar is being replaced by a standard course.

From:

ORTH 625-G. Seminar. 1-6 Hr. PR: Consent. Special seminars arranged for advanced graduate students.

To:

ORTH 631. Journal Club. 1 Hr. PR: Consent. Review of literature in the orthodontic journals. (Effective Term: Summer 1, 2010) (CIP 510401)

Rationale: This course was a seminar utilizing a 625 A-H prefix and as per university guidelines the seminar is being replaced by a standard course.

From:

ORTH 625-H. Seminar. 1-6 Hr. PR: Consent. Special Seminars arranged for advanced graduate students.

To:

ORTH 632. Dentofacial Orthopedics. 1 Hr. PR: Consent. Diagnosis and treatment of young patients that require orthopedic treatment. (Effective Term: Fall 2010) (CIP 510401)

Rationale: This course was a seminar utilizing a 625 A-H prefix, and as per university guidelines the seminar is being replaced by a standard course.

West Virginia University Institute of Technology

Management

New Course:

MANG 350. Leadership in Business. 3 Hr. Investigation of human dimension in organization to include individual and group behaviors and organizational culture. Investigation and analysis of contemporary leadership thought and research as related to organizational operation. (Effective Term: Spring 2010) (CIP 520201)

Rationale: The proposed course stems from two areas. Originally, the course was delivered as a Special Topics to serve students who require upper division restricted electives or free electives within the WVU Tech community. It should be noted that the course was offered in an online format via eCampus in order to provide opportunities in leadership education to a much broader population.

The course has also been proposed to be included in a Regents B.A.-Area of Emphasis (AOE).

Memorandum

To: Faculty Senate Executive Committee

From: Todd Petty, Chair-Elect
Senate Curriculum Committee

Date: December 21, 2009

RE: Monthly Alterations Report

ALTERATIONS (Minor Changes). The following alterations (minor changes) have received administrative approval:

ART	332	500101	<p>Action: Change pre-requisite from ART 233 to ART 234; slight change to course description.</p> <p>Old: ART 332. Intermediate Photography. 3 or 6 Hr. PR: ART 232 and ART 233. Students focus on technical mastery of photography. Expands on the formal and critical criteria established in the introductory courses, and directs creative research into personal, historical, and contemporary issues.</p> <p>New: ART 332. Intermediate Photography. 3 or 6 Hr. PR: ART 232 and ART 234. This course expands on the formal and critical criteria established in the introductory courses, and directs creative research into personal, historical, and contemporary issues. Students explore larger format cameras and advanced lighting techniques.</p>	<p>Rationale: Photography majors need a course at the intermediate level that explores the use of larger format cameras and studio lighting techniques. The course description was slightly altered to better reflect the instruction proposed. Prerequisites for the course were slightly altered from ART 233 to 234. Curriculum is in place to change ART 234 to a Digital Photography course, and this introductory level digital course will be required for intermediate level photography courses.</p>	201001
ART	333	500101	<p>Action: Add ART 234 as a pre-requisite; slight change to course description; and change from 1-15 hr variable credit to 3-6 hr variable credit.</p> <p>Old: ART 333. Alternative Photography. 1-15 Hr. PR: ART 232. Alternative photography emphasizes creating and manipulating images from and for the camera. Techniques include the traditional silver gelatin print, cyanotypes, liquid light and gum bichromate. A basic knowledge of photography is recommended (May be repeated for credit).</p> <p>New: ART 333. Alternative Photography. 3-6 Hr. PR: ART 232 and ART 234. This course explores alternative photographic techniques and concepts that expand the definition of the medium. Techniques may include hand-applied emulsions, contemporary liquid emulsions, pinhole and plastic cameras, and digital negatives. (May be repeated for credit.)</p>	<p>Rationale: The course description was slightly altered to better reflect the proper instruction needed in this course. Prerequisites for the course were slightly altered by adding ART 234. Curriculum is in place to change ART 234 to a Digital Photography course, and this introductory level digital course will be required for intermediate level photography courses.</p>	201001
CHEM	512	400501	<p>Action: Change course number from 712 to 512.</p>	<p>Rationale: CHEM 712 and CHEM</p>	201001

			<p>Old: CHEM 712. Environmental Chemistry. 3 Hr. PR: CHEM 215 and CHEM 234 and CHEM 348. Study of the nature, reactions, transport and fate of chemical species in the environment.</p> <p>New: CHEM 512. Environmental Chemistry. 3 Hr. PR: CHEM 215 and CHEM 234 and CHEM 348. Study of the nature, reactions, transport and fate of chemical species in the environment.</p>	312 cannot be cross-listed. The course content and requirements for CHEM 512 will be identical to those previously required for CHEM 712.	
HIST	610	540101	<p>Action: Drop pre-requisite and slight change to course description.</p> <p>Old: HIST 610. Historic Site Interpretation and Preservation. 3 Hr. PR: HIST 412. Introduction to historic site interpretation and preservation, including establishing criteria, site inventory, and recording technologies using the “case study” method. Lectures, films, discussions, and field projects will introduce students to the rapidly growing area, including environmental impact work.</p> <p>New: HIST 610. Historic Site Interpretation. 3 Hr. Introduction to the craft of historic site interpretation. Readings, lectures, and field trips will explore current issues, approaches to developing meaningful experiences for visitors, and the transmission of culture through historic places.</p>	<p>Rationale: This course has not been offered in several years because it was tied to the work of the Center for Industrial Archaeology. The material presented in this course was heavily technical and offered through field schools led by practitioners with technical expertise. This course change reflects the Public History Program’s goal of offering courses that are based in historical scholarship at the same time they provide practical skills and experience for students who seek research and interpretive positions with the National Park Service and other historic sites.</p>	201001
HIST	614	540101	<p>Action: Change to variable credit (1-6 hr.) from fixed (6 hr.); drop pre-requisites; change grading from A/F to S/U; and slight change to course description.</p> <p>Old: HIST 614. Internship in Public History. 6 Hr. PR: HIST 412 and two intermediate public history courses. A professional internship at an agency involved in a relevant area of public history. Supervision will be exercised by both the Department of History and the host agency. Research report or finished professional project required.</p> <p>New: HIST 614. Internship in Public History. 1-6 Hr. PR: Consent. A professional internship at a historical agency. Supervision is exercised by History Department faculty and the host agency. Written and oral research report required. (Graded S/U).</p>	<p>Rationale: The alteration of this course from a 6 hour fixed credit course to a 1-6 hour variable credit course will allow for more flexibility for the Department and the student. This will allow students to complete extended internships which last for more than one semester and register for internship credit during the semester(s)/summer session(s) that the student is actually interning. We will no longer require students to complete HIST 412 prior to the internship as this course is no longer a requirement for graduate students. The request for the grading method to be changed from A/F to S/U is in keeping with the University standards, and also to provide a better</p>	201001

				means for evaluation of students when nearly all of the work for the course takes place outside of a traditional classroom setting and more conventional means of evaluation (test, reports, etc) are not feasible in a class of this nature.	
MINE	261	142101	<p>Action: Drop MINE 201 as a corequisite.</p> <p>Old: MINE 261. Engineering CAD. 2 Hr. PR: ENGR 102 and Coreq: MINE 201. Engineering CAD concepts and techniques; implementing applications of engineering computer aided design for engineering graphics and plant design; introduction of geometry and calculation of engineering works.</p> <p>New: MINE 261. Engineering CAD. 2 Hr. PR: ENGR 102. Engineering CAD concepts and techniques; implementing applications of engineering computer aided design for engineering graphics and plant design; introduction of geometry and calculation of engineering works.</p>	<p>Rationale: MINE 261 uses mining data from MINE 201 laboratory in the same semester. Removal of the corequisite of MINE 201 will provide students with the flexibility of obtaining mining data from various data sources. Dropping MINE 201 as a corequisite will provide transfer students with more flexibility in scheduling.</p>	201001
PHYS	325	400801	<p>Action: Change pre-requisite from PHYS 213 to PHYS 314.</p> <p>Old: PHYS 325. Atomic Physics. 3 Hr. PR: PHYS 213. Relativistic mechanics, atomic structure, and spectra.</p> <p>New: PHYS 325. Atomic Physics. 3 Hr. PR: PHYS 314. Relativistic mechanics, atomic structure, and spectra.</p>	<p>Rationale: The only course change is a modification in the pre-requisite PHYS 213, which has been renumbered to PHYS 314. The number PHYS 314 was introduced to replace PHYS 213 in 2002. However, PHYS 213 was never formally dropped and the official listing of pre-requisites was never formally changed. We intend to formally drop PHYS 213 as soon as all of the corresponding pre-requisites are changed.</p>	201001
PHYS	341	400801	<p>Action: Change pre-requisite from PHYS 213 to PHYS 314.</p> <p>Old: PHYS 341. Advanced Physics Laboratory. 1-3 Hr. PR: PHYS 111 and PHYS 112 and PHYS 213. Experiments in physics designed to complement theory courses, give experience in data taking and instrumentation, and learn methods of data evaluation and error analysis.</p> <p>New: PHYS 341. Advanced Physics Laboratory. 1-3 Hr. PR: PHYS 111 and PHYS 112 and PHYS 314. Experiments in physics designed to complement theory courses, give experience in data taking and instrumentation, and learn methods of data evaluation and error analysis.</p>	<p>Rationale: The only course change is a modification in the pre-requisite PHYS 213, which has been renumbered to PHYS 314. The number PHYS 314 was introduced to replace PHYS 213 in 2002. However, PHYS 213 was never formally dropped and the official listing of pre-requisites was never formally changed. We intend to formally drop PHYS 213 as soon as</p>	201001

				all of the corresponding pre-requisites are changed.	
PHYS	451	400801	<p>Action: Change pre-requisite from PHYS 213 to PHYS 314.</p> <p>Old: PHYS 451. Introductory Quantum Mechanics. 3 Hr. PR: PHYS 213 and MATH 261. Fundamental principles of quantum mechanics; wave functions in position and momentum space, operators, Schrodinger's equations, applications to one-dimensional problems, approximation methods, the hydrogen atom, angular momentum and spin.</p> <p>New: PHYS 451. Introductory Quantum Mechanics. 3 Hr. PR: PHYS 314 and MATH 261. Fundamental principles of quantum mechanics; wave functions in position and momentum space, operators, Schrodinger's equations, applications to one-dimensional problems, approximation methods, the hydrogen atom, angular momentum and spin.</p>	<p>Rationale: The only course change is a modification in the pre-requisite PHYS 213, which has been renumbered to PHYS 314. The number PHYS 314 was introduced to replace PHYS 213 in 2002. However, PHYS 213 was never formally dropped and the official listing of pre-requisites was never formally changed. We intend to formally drop PHYS 213 as soon as all of the corresponding pre-requisites are changed.</p>	201001
PHYS	461	400801	<p>Action: Change pre-requisite from PHYS 213 to PHYS 314.</p> <p>Old: PHYS 461 Thermodynamics and Statistical Mechanics. 3 Hr. PR: PHYS 213 or equiv. and MATH 251. Introduction to the statistical foundations of thermodynamics; applications of the fundamental laws of thermodynamics to physical and chemical systems.</p> <p>New: PHYS 461 Thermodynamics and Statistical Mechanics. 3 Hr. PR: PHYS 314 or equiv. and MATH 251. Introduction to the statistical foundations of thermodynamics; applications of the fundamental laws of thermodynamics to physical and chemical systems.</p>	<p>Rationale: The only course change is a modification in the pre-requisite PHYS 213, which has been renumbered to PHYS 314. The number PHYS 314 was introduced to replace PHYS 213 in 2002. However, PHYS 213 was never formally dropped and the official listing of pre-requisites was never formally changed. We intend to formally drop PHYS 213 as soon as all of the corresponding pre-requisites are changed.</p>	201001
PHYS	463	400801	<p>Action: Change pre-requisite from PHYS 213 to PHYS 314.</p> <p>Old: PHYS 463. Nuclear Physics. 3 Hr. PR: PHYS 213 and MATH 251. Study of characteristic properties of nuclei and their structure as inferred from nuclear decays and reactions, leading to a knowledge of nuclear forces and models.</p> <p>New: PHYS 463. Nuclear Physics. 3 Hr. PR: PHYS 314 and MATH 251. Study of characteristic properties of nuclei and their structure as inferred from nuclear decays and reactions, leading to a knowledge of nuclear forces and models.</p>	<p>Rationale: The only course change is a modification in the pre-requisite PHYS 213, which has been renumbered to PHYS 314. The number PHYS 314 was introduced to replace PHYS 213 in 2002. However, PHYS 213 was never formally dropped and the official listing of pre-requisites was never formally changed. We intend to formally drop PHYS 213 as soon as all of the corresponding pre-requisites are changed.</p>	201001

PHYS	471	400801	<p>Action: Change pre-requisite from PHYS 213 to PHYS 314.</p> <p>Old: PHYS 471. Solid State Physics. 3 Hr. PR: PHYS 213 or equiv. and MATH 251. Properties of crystalline solids; includes crystal structure, interatomic binding, lattice vibrations, electron theory of metals, and the band theory of solids with some applications.</p> <p>New: PHYS 471. Solid State Physics. 3 Hr. PR: PHYS 314 or equiv. and MATH 251. Properties of crystalline solids; includes crystal structure, interatomic binding, lattice vibrations, electron theory of metals, and the band theory of solids with some applications.</p>	<p>Rationale: The only course change is a modification in the pre-requisite PHYS 213, which has been renumbered to PHYS 314. The number PHYS 314 was introduced to replace PHYS 213 in 2002. However, PHYS 213 was never formally dropped and the official listing of pre-requisites was never formally changed. We intend to formally drop PHYS 213 as soon as all of the corresponding pre-requisites are changed.</p>	201001
TVJ	488	090401	<p>Action: Change the course name.</p> <p>Old: TVJ 488. Video Production. 1 Hr. PR: BN 386. This course is designed to teach broadcast journalism students advanced digital video and audio techniques for news productions, including field reports, newscasts, and studio-based programs.</p> <p>New: TVJ 488. TV Editing. 1 Hr. PR: BN 386. This course is designed to teach broadcast journalism students advanced digital video and audio techniques for news productions, including field reports, newscasts, and studio-based programs.</p>	<p>Rationale: We are requesting a course alteration to change the name of the course to more accurately reflect the true nature of the coursework.</p>	201001
VISJ	531	090401	<p>Action: Change course prefix from JRL to VISJ</p> <p>Old: JRL 531. Multimedia Reporting. 3 Hr. PR: JRL 220 or consent. Reporting/production for online media. Ethics and role of visual journalist. Software basics and use of audio, video and still photography in online reporting.</p> <p>New: VISJ 531. Multimedia Reporting. 3 Hr. PR: JRL 220 or consent. Reporting/production for online media. Ethics and role of visual journalist. Software basics and use of audio, video and still photography in online reporting.</p>	<p>Rationale: The majority of the J-School's news curriculum went through a wholesale overhaul last year that involved assigning a number of new course prefixes, but this course was one of two that were incorrectly processed due to an error on the J-School's part. The course was given the prefix JRL when it should have been given the prefix VISJ. The course description and content are not changing, which is why I request that this be handled as a course alteration instead of a new course or course change, which will require a great deal of unnecessary paperwork.</p>	201001

Action: Course Drops

CHEM 712 **400501**

Old: CHEM 712. *Environmental Chemistry*. 3 hr.

JRL 531 **090401**

Old: JRL 531. *Multimedia Reporting*. 3 hr.

PHYS 213 **400801**

Old: PHYS 213. *Advanced Physics Laboratory*. 3 hr.



December 18, 2009

Memorandum

To: H. ILKIN BILGESU, Ph.D., PE; Chair Curriculum committee

From: Dean Georgia L. Narsavage, WVU School of Nursing and Associate Dean Mary Jane Smith

RE: Request to issue new course numbers to four courses in the Geriatric Nurse Practitioner Track

CC: WVU Faculty Senate Chair Nigel Clark; Steve Robinson, Registrar

In looking at our need to resume teaching NSG education courses (all previously approved by the Senate), we uncovered that the numbers (671,672,673, 674) that were assigned last year to the GNP program are needed as originally assigned to the education courses, due to the Nurse Faculty Loan Program grant. The registrar's office has provided the following numbers as available for the GNP courses. We are requesting that the Senate approve our request to issue new course numbers to four courses in the Geriatric Nurse Practitioner Track. Nothing other than the numbers would be changed.

New numbers:

NSG 656 Current Issues in Aging

NSG 657 Advanced Assessment/Older Adults

NSG 658 Gero Primary Care I

NSG 659 Gero Primary Care 2

[Note: NSG 675 (Geriatric Practicum I) and 676 (Geriatric Practicum 2) will remain the same.]

If the committee can approve this change, could it please go into effect immediately? Thank you.

Office of the Dean

Phone: 304-293-4831
Fax: 304-293-6826

6700 Health Sciences South
PO Box 9600
Morgantown, WV 26506-9600



MEMORANDUM

Date: November 5, 2009
To: Barbara Dunn, Faculty Senate Office
From: Bonnie J. Burchinal, Office Administrator for Academic Affairs
RE: **Curriculum Change: BSAE Curriculum Change and BSME Curriculum Change**

The College of Engineering and Mineral Resources requests the approval of the Senate for the following change:

Change: ***BSAE Curriculum Change***

Contact: Academic Affairs - Dr. Myers- Warren.Myers@mail.wvu.edu
or Bonnie Burchinal – Bonnie.Burchinal@mail.wvu.edu – 293-4334
and Nithi Sivaneri – Nithi.Savaneri@mail.wvu.edu
and Greg Thompson – Gregory.Thompson@mail.wvu.edu

Change: ***BSME Curriculum Change***

Contact: Academic Affairs - Dr. Myers- Warren.Myers@mail.wvu.edu
or Bonnie Burchinal – Bonnie.Burchinal@mail.wvu.edu – 293-4334
and Nithi Sivaneri – Nithi.Savaneri@mail.wvu.edu
and Greg Thompson – Gregory.Thompson@mail.wvu.edu

Please let me know if you need additional information. Thank you for processing this request.

Attachments:

cc: Gene Cilento, Dean, College of Engineering and Mineral Resources
Gregory Thompson, Chair, CEMR Undergraduate Academic Affairs Committee
Nithi Sivaneri, Chair, CEMR Graduate & Research Programs Committee



November 2, 2009

BSAE Curriculum Change

The MAE Department is proposing a change in the BSAE curriculum effective Fall 2010. The change corresponds to requiring ECON 201 and ECON 202 to satisfy Objectives 4 and 8 of the University GEC Program. The current and the proposed curricula are attached. Also attached is a letter of approval from the College of Business and Economics. The rationale for this request is as follows:

The knowledge of economics is essential for engineers to be successful in a competitive and globalized market arena. In the college of engineering this realization is supported by eight of the eleven undergraduate programs requiring these courses. Further, these two courses will help support ABET (Accreditation Board for Engineering and Technology) Outcomes *h* and *j* of the BSAE program.

Approval Signatures

Contact & Initiating Person:

Name: Nithi Sivaneri (3-3191)

Signature: Nithi Sivaneri

Aerospace Engineering Curriculum Committee:

Chair: Nithi Sivaneri

Signature: Nithi Sivaneri

Department Chair:

Name: Jacky Prucz

Signature: Jacky Prucz

CEMR U/G Academic Affairs Committee:

Chair: Gregory Thompson

Signature: Gregory Thompson

CEMR Associate Dean

Name: Warren Myers

Signature: Warren R. Myers

Department of Mechanical and Aerospace Engineering

BSAE Curriculum (Current)

First Semester	Hrs.	Second Semester	Hrs.
CHEM 115 <i>Fundamentals of Chemistry</i>	4	MATH 156 <i>Calculus</i>	4
MATH 155 <i>Calculus</i>	4	ENGR 102 <i>Fr. Engr. Design & Anal</i>	3
ENGR 101 <i>Fresh. Engr. Design</i>	2	PHYS 111 <i>General Physics</i>	4
ENGR 199 <i>Orientation to Engineering</i>	1	GEC elective	3
ENGL 101 <i>Composition & Rhetoric</i>	3	GEC elective	3
GEC elective	3		
Total	17	Total	17

Third Semester	Hrs.	Fourth Semester	Hrs.
MAE 215 <i>Intro. to Aerosp. Engineering</i>	3	MAE 242 <i>Dynamics</i>	3
MAE 241 <i>Statics</i>	3	MAE 243 <i>Mech. of Materials</i>	3
MATH 251 <i>Multivar. Calculus</i>	4	MAE 244 <i>Dyn. & Strength Lab</i>	1
PHYS 112 <i>General Physics</i>	4	MATH 261 <i>Elem. Diff'l. Equations</i>	4
ENGL 102 <i>Composition & Rhetoric</i>	3	GEC elective	3
Total	17	Total	14

Fifth Semester	Hrs.	Sixth Semester	Hrs.
MAE 316 <i>Anal. of Engr. Systems</i>	3	EE 221 <i>Intro to Electrical Engineering</i>	3
MAE 320 <i>Thermodynamics</i>	3	EE 222 <i>Intro to Electrical Engr. Lab.</i>	1
MAE 335 <i>Incompressible Aerodynamics</i>	3	MAE 336 <i>Compressible Aerodynamics</i>	3
MAE 343 <i>Intermed. Mech. of Materials</i>	3	MAE 345 <i>Aerospace Structures</i>	3
GEC elective	3	MAE 365 <i>Flight Dynamics</i>	3
		GEC elective	3
Total	15	Total	16

Seventh Semester	Hrs.	Eighth Semester	Hrs.
MAE 426 <i>Flight Vehicle Propulsion</i>	3	MAE 423 <i>Heat Transfer</i>	3
MAE 434 <i>Experimental Aerodynamics</i>	2	MAE 460 <i>Automatic Controls</i>	3
MAE 456 <i>CAD & Finite Element Anal.</i>	3	MAE 476 <i>Space Flight & Systems</i>	3
MAE 475 <i>Flight Vehicle Design</i>	3	Technical elective	3
Technical elective	3	GEC elective	3
Total	14	Total	15

Total hours for curriculum 125

Note: The six hours of technical electives must be selected from a list of approved AE technical electives after consulting with the advisor.

The GEC electives must satisfy Objectives 3-9.

The courses in red are taught only in the semester indicated.

BSAE Curriculum (Effective Fall 2010)

First Semester	Hrs.	Second Semester	Hrs.
CHEM 115 <i>Fundamentals of Chemistry</i>	4	MATH 156 <i>Calculus</i>	4
MATH 155 <i>Calculus</i>	4	ENGR 102 <i>Fr. Engr. Design & Anal</i>	3
ENGR 101 <i>Fresh. Engr. Design</i>	2	PHYS 111 <i>General Physics</i>	4
ENGR 199 <i>Orientation to Engineering</i>	1	GEC elective	3
ENGL 101 <i>Composition & Rhetoric</i>	3	GEC elective	3
GEC elective	3		
Total	17	Total	17

Third Semester	Hrs.	Fourth Semester	Hrs.
MAE 215 <i>Intro. to Aerosp. Engineering</i>	3	MAE 242 <i>Dynamics</i>	3
MAE 241 <i>Statics</i>	3	MAE 243 <i>Mech. of Materials</i>	3
MATH 251 <i>Multivar. Calculus</i>	4	MAE 244 <i>Dyn. & Strength Lab</i>	1
PHYS 112 <i>General Physics</i>	4	MATH 261 <i>Elem. Diff'l. Equations</i>	4
ENGL 102 <i>Composition & Rhetoric</i>	3	GEC: ECON 201 <i>Princ. of Microecon.</i>	3
Total	17	Total	14

Fifth Semester	Hrs.	Sixth Semester	Hrs.
MAE 316 <i>Anal. of Engr. Systems</i>	3	EE 221 <i>Intro to Electrical Engineering</i>	3
MAE 320 <i>Thermodynamics</i>	3	EE 222 <i>Intro to Electrical Engr. Lab.</i>	1
MAE 335 <i>Incompressible Aerodynamics</i>	3	MAE 336 <i>Compressible Aerodynamics</i>	3
MAE 343 <i>Intermed. Mech. of Materials</i>	3	MAE 345 <i>Aerospace Structures</i>	3
GEC: ECON 202 <i>Princ. of Macroecon.</i>	3	MAE 365 <i>Flight Dynamics</i>	3
		GEC elective	3
Total	15	Total	16

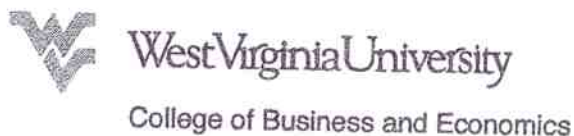
Seventh Semester	Hrs.	Eighth Semester	Hrs.
MAE 426 <i>Flight Vehicle Propulsion</i>	3	MAE 423 <i>Heat Transfer</i>	3
MAE 434 <i>Experimental Aerodynamics</i>	2	MAE 460 <i>Automatic Controls</i>	3
MAE 456 <i>CAD & Finite Element Anal.</i>	3	MAE 476 <i>Space Flight & Systems</i>	3
MAE 475 <i>Flight Vehicle Design</i>	3	Technical elective	3
Technical elective	3	GEC elective	3
Total	14	Total	15

Total hours for curriculum 125

Note: The six hours of technical electives must be selected from a list of approved AE technical electives after consulting with the advisor.

The GEC electives must satisfy Objectives 3,5,6,7, and 9.

The courses in red are taught only in the semester indicated.



November 5, 2009

Warren R. Myers, Ph.D., C.I.H.
Associate Dean for Academic Affairs
West Virginia University
College of Engineering and Mineral Resources

Dear Dr. Myers,

I understand that the undergraduate programs in aerospace engineering and mechanical engineering in CEMR are revising their curriculums to require ECON 201 (Principles of Microeconomics) and ECON 202 (Principles of Macroeconomics) in order to fulfill the GEC 4 & GEC 8 objectives. This requirement is expected to become effective 201008 and over two years add about 120 new students annually to both ECON 201 and ECON 202.

The Economics Department supports this curriculum revision. We have the capacity to serve these students.

Sincerely,

A handwritten signature in cursive script, reading 'Clifford B. Hawley'.

Clifford B. Hawley
Acting Director
Division of Economics and Finance

Phone: 304-293-7859
Fax: 304-293-5652

Department of Economics
Division of Economics and Finance
PO Box 6025
Morgantown, WV 26506-6025

Equal Opportunity/Affirmative Action Institution



November 2, 2009

BSME Curriculum Change

The MAE Department is proposing a change in the BSME curriculum effective Fall 2010. The change corresponds to requiring ECON 201 and ECON 202 to satisfy Objectives 4 and 8 of the University GEC Program. The current and the proposed curricula are attached. Also attached is a letter of approval from the College of Business and Economics. The rationale for this request is as follows:

The knowledge of economics is essential for engineers to be successful in a competitive and globalized market arena. In the college of engineering this realization is supported by eight of the eleven undergraduate programs requiring these courses. Further, these two courses will help support ABET (Accreditation Board for Engineering and Technology) Outcomes *h* and *j* of the BSAE program.

Approval Signatures

Contact & Initiating Person:

Name: Nithi Sivaneri (3-3191)

Signature: Nithi Sivaneri

Mechanica Engineering Curriculum Committee:

Chair: Gregory Thompson

Signature: Gregory Thompson

Department Chair:

Name: Jacky Prucz

Signature: Jacky Prucz

CEMR U/G Academic Affairs Committee:

Chair: Gregory Thompson

Signature: Gregory Thompson

CEMR Associate Dean

Name: Warren Myers

Signature: Warren R. Myers

Department of Mechanical and Aerospace Engineering

BSME Curriculum (current)

First Semester	Hrs.	Second Semester	Hrs.
CHEM 115 <i>Fundamentals of Chemistry</i>	4	MATH 156 <i>Calculus</i>	4
MATH 155 <i>Calculus</i>	4	ENGR 102 <i>Fr. Engr. Design & Anal</i>	3
ENGR 101 <i>Fresh. Engr. Design</i>	2	PHYS 111 <i>General Physics</i>	4
ENGR 199 <i>Orientation to Engineering</i>	1	GEC elective	3
ENGL 101 <i>Composition & Rhetoric</i>	3	GEC elective	3
GEC elective	3		
Total	17	Total	17

Third Semester	Hrs.	Fourth Semester	Hrs.
MAE 211 <i>Mechatronics</i>	3	MAE 242 <i>Dynamics</i>	3
MAE 241 <i>Statics</i>	3	MAE 243 <i>Mech. of Materials</i>	3
MATH 251 <i>Multivar. Calculus</i>	4	MAE 244 <i>Dyn. & Strength Lab</i>	1
PHYS 112 <i>General Physics</i>	4	MATH 261 <i>Elem. Diff'l. Equations</i>	4
ENGL 102 <i>Composition & Rhetoric</i>	3	GEC elective	3
Total	17	Total	14

Fifth Semester	Hrs.	Sixth Semester	Hrs.
MAE 316 <i>Anal. of Engr. Systems</i>	3	MAE 321 <i>Applied Thermodynamics</i>	3
MAE 320 <i>Thermodynamics</i>	3	MAE 322 <i>Thermal & Fluids Lab</i>	1
MAE 343 <i>Intermed. Mech. of Materials</i>	3	MAE 331 <i>Fluid Mechanics</i>	3
EE 221 <i>Intro to Electrical Engineering</i>	3	MAE 342 <i>Dynamics of Machines</i>	3
EE 222 <i>Intro to Electrical Engr. Lab.</i>	1	IENG 302 <i>Manufacturing Process</i>	2
GEC elective	3	IENG 303 <i>Manufacturing Process Lab.</i>	1
		GEC elective	3
Total	16	Total	16

Seventh Semester	Hrs.	Eighth Semester	Hrs.
MAE 454 <i>Machine Design & Manuf.</i>	3	MAE 411 <i>Adv. Mechatronics</i>	3
MAE 456 <i>CAD & Finite Element Anal.</i>	3	MAE 423 <i>Heat Transfer</i>	3
MAE 471 <i>Prin. of Engr. Design</i>	3	MAE 460 <i>Automatic Controls</i>	3
Technical elective	3	Technical elective	3
GEC elective	3		
Total	15	Total	12

Total hours for curriculum 124

Notes: The six hours of technical electives must be selected from a list of approved ME technical electives after consulting with the advisor.

The GEC electives must satisfy Objectives 3-9.

The courses in red are taught only in the semester indicated.

BSME Curriculum (Effective Fall 2010)

First Semester	Hrs.	Second Semester	Hrs.
CHEM 115 <i>Fundamentals of Chemistry</i>	4	MATH 156 <i>Calculus</i>	4
MATH 155 <i>Calculus</i>	4	ENGR 102 <i>Fr. Engr. Design & Anal</i>	3
ENGR 101 <i>Fresh. Engr. Design</i>	2	PHYS 111 <i>General Physics</i>	4
ENGR 199 <i>Orientation to Engineering</i>	1	GEC elective	3
ENGL 101 <i>Composition & Rhetoric</i>	3	GEC elective	3
GEC elective	3		
Total	17	Total	17

Third Semester	Hrs.	Fourth Semester	Hrs.
MAE 211 <i>Mechatronics</i>	3	MAE 242 <i>Dynamics</i>	3
MAE 241 <i>Statics</i>	3	MAE 243 <i>Mech. of Materials</i>	3
MATH 251 <i>Multivar. Calculus</i>	4	MAE 244 <i>Dyn. & Strength Lab</i>	1
PHYS 112 <i>General Physics</i>	4	MATH 261 <i>Elem. Diff. Equations</i>	4
ENGL 102 <i>Composition & Rhetoric</i>	3	GEC: ECON 201 <i>Princ. of Microecon.</i>	3
Total	17	Total	14

Fifth Semester	Hrs.	Sixth Semester	Hrs.
MAE 316 <i>Anal. of Engr. Systems</i>	3	MAE 321 <i>Applied Thermodynamics</i>	3
MAE 320 <i>Thermodynamics</i>	3	MAE 322 <i>Thermal & Fluids Lab</i>	1
MAE 343 <i>Intermed. Mech. of Materials</i>	3	MAE 331 <i>Fluid Mechanics</i>	3
EE 221 <i>Intro to Electrical Engineering</i>	3	MAE 342 <i>Dynamics of Machines</i>	3
EE 222 <i>Intro to Electrical Engr. Lab.</i>	1	IENG 302 <i>Manufacturing Process</i>	2
GEC: ECON 202 <i>Princ. of Macroecon.</i>	3	IENG 303 <i>Manufacturing Process Lab.</i>	1
		GEC elective	3
Total	16	Total	16

Seventh Semester	Hrs.	Eighth Semester	Hrs.
MAE 454 <i>Machine Design & Manuf.</i>	3	MAE 411 <i>Adv. Mechatronics</i>	3
MAE 456 <i>CAD & Finite Element Anal.</i>	3	MAE 423 <i>Heat Transfer</i>	3
MAE 471 <i>Prin. of Engr. Design</i>	3	MAE 460 <i>Automatic Controls</i>	3
Technical elective	3	Technical elective	3
GEC elective	3		
Total	15	Total	12

Total hours for curriculum 124

Notes: The six hours of technical electives must be selected from a list of approved ME technical electives after consulting with the advisor.

The GEC electives must satisfy Objectives 3,5,6,7, and 9.

The courses in red are taught only in the semester indicated.



November 5, 2009

Warren R. Myers, Ph.D., C.I.H.
Associate Dean for Academic Affairs
West Virginia University
College of Engineering and Mineral Resources

Dear Dr. Myers,

I understand that the undergraduate programs in aerospace engineering and mechanical engineering in CEMR are revising their curriculums to require ECON 201 (Principles of Microeconomics) and ECON 202 (Principles of Macroeconomics) in order to fulfill the GEC 4 & GEC 8 objectives. This requirement is expected to become effective 201008 and over two years add about 120 new students annually to both ECON 201 and ECON 202.

The Economics Department supports this curriculum revision. We have the capacity to serve these students.

Sincerely,

A handwritten signature in cursive script, reading 'Clifford B. Hawley'.

Clifford B. Hawley
Acting Director
Division of Economics and Finance

Phone: 304-293-7859
Fax: 304-293-5652

Department of Economics
Division of Economics and Finance
PO Box 6025
Morgantown, WV 26506-6025

Equal Opportunity/Affirmative Action Institution

Memorandum

Date: December 21, 2009

To: Senate Executive Committee

From: Beverly Kirby, Chair, General Education Curriculum Oversight Committee

Re: GEC Actions

The GEC Oversight Committee met on December 2nd and recommended the following courses for Faculty Senate approval:

Approved New Writing Course Additions:

FIN 420, Business Valuation

FIN 421, Mergers and Acquisitions

FIN 480, International Finance

GEC Objectives (for information only)

1. Communication (ENGL 101 & 102, or ENGL 103 only; W courses evaluated separately)
2. Basic Math & Scientific Inquiry (Total: 13+ hr, including 1 Lab) [Note 2A = Math & Stats (3+ hr required); 2B = Natural & Physical Sciences (7+ hr required); 2C = Natural Resources & Environment (may be used toward Total)]
3. The Past and Its Traditions (3+ hr)
4. Contemporary Society (UNIV 101 & 3+ hr)
5. Artistic Expression (3+ hr)
6. The Individual in Society (3+ hr)
7. American Culture (3+ hr)
8. Western Culture (3+ hr)
9. Non-Western Culture (3+ hr)
- W. Writing (1 course, audit/application requires separate "W" form)

Memorandum

Date: December 21, 2009

To: Senate Executive Committee

From: Beverly Kirby, Chair, General Education Curriculum Oversight Committee

Re: GEC Audits – **For Information Only**

The GEC Oversight Committee met on December 7th and passed the following courses for GEC Audit:

GEC Successful Audits:

BIOL 111, General Biology (Obj. 2B & Lab)

ECON 225, Elementary Business and Economics (Obj. 2A & 4)

MATH 155, Calculus I (Obj. 2A)

WMST 340, Gender and Violence (Obj. 4 & 6)

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