June 11, 2010

TO:   Kathleen Montgomery, Vice Chair, AGSM
       Dan Ozer, Secretary Parliamentarian, Psychology
       Richard Arnott, Economics
       Steve Axelrod, English
       Jay Farrell, Electrical Engineering
       Christine Gailey, Women's studies
       John Ganim, English
       George Haggerty, English
       Dan Hare, Entomology
       David Herzberger, Hispanic Studies
       Carol Lovatt, Botany and Plant Sciences
       Manuela Martins-Green, Cell Biology and Neuroscience
       Doug Mitchell, GSOE
       Len Mueller, Chemistry
       Vivian-Lee Nyitray, Religious studies
       Erik Rolland, AGSM
       John Trumble, Entomology
       Ameae Walker, Biomedical Sciences
       Albert Wang, Electrical Engineering
       Alan Williams, Earth Sciences
       Jose Wudka, Physics
       Marylynn Yates, Environmental Sciences

FR:     Tony Norman, Chair
        Riverside Division

RE:    Executive Council Agenda, June 17, 2010

This is to confirm the meeting of the Executive Council on Thursday, June 17, 2010 at 1:00 p.m. to 3:00 p.m. in Room 145 UOB 1st floor University Office Building.
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1. Update on May 26, 2010 Senate Academic Council
EXECUTIVE COUNCIL MEETING
MINUTES
MAY 10, 2010

PRESENT:
Anthony Norman, Chair
Kathleen Montgomery, AGSM, Vice Chair
Dan Ozer, Psychology, Secretary Parliamentarian
Richard Arnott, Economics, Research
Jay Farrell, Electrical Engineering, BSOE Executive Committee
Christine Gailey, Women’s studies, Committees
Dan Hare, Entomology, Faculty Welfare
Manuela Martins-Green, Cell Biology and Neuroscience, Sr. Rep to the Assembly
Vivian-Lee Nyitray, Religious studies, Undergraduate Admissions
Doug Mitchell, GSOE Executive Committee
Erik Rolland, AGSM Executive Committee
John Trumble, Entomology, CAP
Albert Wang, Electrical Engineering, Junior Rep to the Assembly
Jose Wudka, Physics, Educational Policy
Marylynn Yates, Environmental Sciences, CNAS Executive Committee

ABSENT:
Steven Axelrod, English, Preparatory Education
John Ganim, English, Physical Resource Planning
David Herzberger, Hispanic Studies, CHASS Executive Committee
Carol Lovatt, Botany and Plant Sciences, Planning and Budget
Len Mueller, Chemistry, Academic Computing
Ameae Walker, Biomedical Sciences Executive Committee
Alan Williams, Earth Sciences, Graduate Council

GUESTS:
Morris Maduro – for Graduate Council
Dan Strauss, Biomedical Sciences
VC Peter Hayashida

CONSENT CALENDAR:
The agenda and the minutes were approved as written.

Vice Chancellor Peter Hayashida:
Vice Chancellor Hayashida indicated that the main reason he was visiting the Senate was to
discuss the UCR mascot and the importance of the Mascot/Logo to UCR and to the Athletics
department. It was explained to the EC members that the UCR mascot has an effect on
student experience and drives how people feel about the school. It is part of the broader
UCR brand. Over the years, the topic of our Athletic Mascot has come up. A good logo
drives enormous sales through logo merchandise which helps to fund student development
activities. At UCR we have developed a branding image for the campus that is not just a logo. When we did the branding project a few years ago, we were about to move into division I. A decision was made to not deal with the mascot/logo issue at that time. Athletics had a series they were working on and they left it alone. This year, the Chancellor has asked that the issue be revisited. He provided the EC members with the approved UCR logos that are being used to promote UCR Athletics. He also presented another set of alternative logos that could be used by UCR. The main issue therefore is whether we keep the bear as our mascot or do we replace it with something else. The reason for replacing the bear was that it links us to other UC campuses (both UCB and UCLA use bears) and we are trying to be independent. There was also a sense of ambivalence towards the bear. Many graduate students did not care very much about the mascot while our undergraduate students felt more strongly about it.

Several suggestions were made by members including the use of the Scotty terrier. In the course of the discussions, the EC members brought up the issue of the UCR tartan which then can be worn and modeled by anybody/student or using the current logo we have right now that includes the sun.

It was suggested that the process of changing the logo should be a very transparent one that includes the faculty and the students and made public, to avoid having the students, faculty and alumni say that they were surprised. VC Hayashida was also informed of the process that UCR underwent when we changed to the logo we have now which has the sun embedded within the ‘R’. He indicated that they have not hired a consultant to handle this issue because he is still “taking the temperature” and trying to find out what people really want.

When asked by the Executive Council to discuss what his vision is for UCR, Vice Chancellor Hayashida indicated the following:

1. First, he reminded the EC members that he has only been ten and a half months at UCR. He plans to create a culture of philanthropy at UCR. This is a place where more than half our students are first time college graduates so they don’t come from families with extensive backgrounds in philanthropy and we need to expand their knowledge on what it means to give back to UCR. He indicated that one of the big problems that his office has experienced in terms of fundraising is the high turnover in leadership. He is the 7th person in his position in 11 years.
2. We need to tell the story more broadly and in more places – e.g., New York Times, Washington Post – so that when people think of a great research university, UCR is the place that comes to mind.
3. We need to create a greater sense of accountability to students, faculty and the community.

Professor of the Graduate Division:
The proposal was sent out to the Committees on Educational Policy, the Graduate Council, Academic Personnel and Faculty Welfare who all approved. It was now being returned to the EC to endorse and forward to the Division. The Executive Council members
unanimously approved the proposal for the Professor of the Graduate Division and agreed it should be forwarded to the May 25th Division meeting for adoption.

Proposed Changes to Regulation 6 – Campus Graduation Requirement:
At present the university does not have a policy that allows for deferral or withholding of degree. Students who are involved in serious violations of university policy in their final quarter of enrollment, (academic or social), typically face no disciplinary consequences for their misconduct as they are able to complete their degree and leave the University before the disciplinary issue can be resolved.

There was concern about the first sentence that says – no degree may be conferred on a student until any pending disciplinary charges ... leaves little leeway and could block someone’s degree if the charge was minor. The EC approved the motion to approve the proposed bylaw 11 voting yes and 3 against it.

Academic Integrity Policy:
The proposal has been reviewed by the committees and now requires endorsement from EC. However, the underlying issue was the fact that the proposal includes a separate standing committee of the senate which would deal with Graduate integrity issues – see page 18. The recommendations were made by the previous Graduate Council, under the Chairmanship of Chair Christopher Switzer. It was noted that there was a Systemwide Academic Senate Regulation that says the dismissal of a graduate student is in the hands of the Graduate dean and there is no leeway whatsoever and this is not mentioned in the current policy although it was in the previous policy. There were also academic freedom issues that should be reviewed by the Committee on Academic Freedom. Chair Norman indicated that he did not feel that the EC was prepared to discuss the policy and that one approach he had was to put together a sub-committee of four people to review the proposal and then send it out again for review. The review team would include Kathleen Montgomery as Chair, Morris Maduro, and staff from the Judicial Affairs Office.

Any Other Business:
Chair Norman gave an update on the African Black Coalition Conference that took place on Saturday May 8, 2010. He indicated that there were about 600 participants and that President Mark Yudof appeared via a Web conference and addressed the students. Also present was Dr. Christopher Edley, Jr. Dean of the UCB School of Law.

He also thanked the EC for all their work with the Strategic Plan and indicated that the second draft would be out shortly.

Meeting adjourned at 3:00 PM.

Respectfully submitted,
Sellynah Ehlers
Executive Director
Academic Senate
Transfer Selection Criteria for Applicants to the College of Natural and Agricultural Sciences  
Effective Fall 2012  
(for internal use only)

**Lower Division Versus Upper Division CNAS Transfer Applicants:** This document refers primarily to upper division transfer applicants. An upper division transfer applicant is one who has completed at least 60 sem/90 quarter units of transferable course work, and who has fulfilled the UC transfer admission criteria prior to matriculation. Lower division transfer applicants may be considered for admission under special circumstances. See an admission counselor in UGAP for details.

**Declaring a Major:** Upper division transfer students must declare an undergraduate major in CNAS. Lower division transfer students who have completed less than 45 quarter units may be considered for “Undeclared” status.

**Admission Criteria for Upper Division Transfer Applicants:** In addition to meeting UC transfer admission criteria, upper division transfer applicants are required to present a minimum overall GPA of 2.70 in all UC transferable course work. In addition, upper division transfer applicants to the following majors will also need to complete course work equivalent to at least 3 of the following UCR lower division sequences (with the exception of Plant Biology, which requires only two sequences). Work in progress can be used to verify course selection criteria. Options for meeting sequences are identified with an “X”. Note that some sequences are mandatory.

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<tbody>
<tr>
<td>Biochemistry</td>
<td>X Mandatory</td>
<td>X Mandatory</td>
<td>X (Biol 5A/5AL, 5B and if articulated, 5C)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(&quot;B&quot; or better required)</td>
<td></td>
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<tr>
<td>Biology</td>
<td>X</td>
<td>X Mandatory</td>
<td>X (Biol 5A/5AL, 5B and if articulated, 5C)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>(&quot;C&quot; or better required)</td>
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<tr>
<td>Biological Sciences</td>
<td>X</td>
<td>X Mandatory</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td></td>
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<td></td>
<td>(&quot;C&quot; or better required)</td>
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<tr>
<td>Plant Biology</td>
<td>(highly recommended prior to transfer)</td>
<td>X Mandatory</td>
<td>X (Mandatory)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td></td>
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<td></td>
<td>(Biol 5A/5AL and 5B)</td>
<td></td>
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<tr>
<td>Chemistry</td>
<td>X Mandatory</td>
<td>X Mandatory</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>(&quot;B&quot; or better required)</td>
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<tr>
<td>Physics</td>
<td>Mandatory (&quot;B-&quot; or better)</td>
<td>X</td>
<td>(Recommended)</td>
<td>Mandatory (&quot;B-&quot; or better)</td>
<td>X</td>
<td>X</td>
<td>X (Highly Recommended)</td>
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**Attaining and Maintaining a 2.70 GPA for Upper Division Transfer Applicants:** Upper division transfer applicants must attain and maintain at least a 2.70 GPA in all UC transferable courses prior to matriculation. Upper division applicants who do not present a 2.70 GPA at the time of application review will be 1) admitted to the appropriate stated alternate major, or 2) deferred. A student who has been conditionally admitted to CNAS but who does not present a 2.70 overall GPA at the time of profile will be either 1) admitted to his/her declared appropriate alternate major or 2) asked by UGA to declare an appropriate alternate major, or 3) be deferred if no alternate major is requested.

**Procedures for Upper Division Transfer Applicants Who Present a 2.70 GPA But Who Do Not Meet Required Course Selection Criteria to “The Big Five”:** Upper division transfer applicants to majors in Biochemistry, Biology, Biological Sciences, Plant Biology or Chemistry who present a 2.70 GPA but who do not indicate that they will be meeting required transfer selection criteria to one of the “Big Five” at the time of application review will be 1) admitted to their appropriate alternate major, or 2) will be contacted by UGA and asked to declare an appropriate major. Students who are conditionally admitted to one of the Big Five majors, based on information reported in work-in-progress, but who have not completed the necessary course work by the time of profile will either be moved into their stated appropriate alternate major, or asked to declare another major into which they are eligible.

**Procedures for Applicants who Present 120 or More Quarter Units (excludes AP/IB units) of UC Transferable Course Work (e.g. students who present 4-year course work, or a combination of 4-year course work and CCC course work, and thus are allowed over 105 quarter units in transfer):**

**Applicants Presenting 120 or More Quarter Units (Excludes AP/IB units) Applying to the Big Five:** Applicants with a 2.7 GPA or better applying to the “Big Five” who have fulfilled, or who appear to have fulfilled, the transfer selection requirements should be sent to CNAS for the admission decision. (If AC’s are unsure as to whether the student has met course selection requirements based on review of course content outside the CCC system, send to CNAS for review.) Students applying to the “Big Five” with 120 or more quarter units (excludes AP/IB units) who clearly have not met the selection requirements are to be deferred.

**Applicants with 120 or More Quarter Units (Excludes AP/IB units) Applying to Majors Other than the “Big Five”:** Applicants to majors in CNAS other than the “Big Five”, who present an overall GPA of at least 2.70 should be sent to CNAS for the admission decision. Applicants with less than a 2.70 overall GPA, and 120 or more quarter units (excludes AP/IB units) are to be deferred.

Approved by the Physics faculty: February 9, 2010
Approved by CNAS Executive Committee: April 13, 2010
Approved by the Undergraduate Admissions Committee: May 27, 2010
Approved by the CEP: April 30, 2010

Changes will be effective immediately upon approval. However, due to catalog rights, transfer students can still be admitted under old requirement through Fall 2011. Students applying for Fall 2012 will need to meet these new transfer requirements.
To be adopted: Change in Bylaw N4.1

Present:

N4.1 There is an Executive Committee consisting of the Chair of the Faculty, ex officio; the Dean of the college, ex officio; the Associate Deans for Student Academic Affairs of the college, ex officio; fifteen members of the Faculty as provided in N4.1.1.; and student representatives as provided in N4.1.1.4. Student representatives and other Associate Deans of CNAS are non-voting members. An elected member of the executive committee is not eligible for immediate reelection unless he/she has completed a term of fewer than 18 months. Eligibility is reestablished after one year of non-service, with the following exception; if the member is elected to the position of chair of the faculty, the member may also be reelected to the executive committee. The Chair, Vice Chair, and Secretary-Parliamentarian of the faculty occupy corresponding offices in the Executive Committee. (Am 3 Feb 83)(Am 27 May 93)(Am 18 Nov 03)(Am 30 May 06)

Proposed:

N4.1 There is an Executive Committee consisting of the Chair of the Faculty, ex officio; the Dean of the college, ex officio; the Associate Dean of Undergraduate Advising (or equivalent title), ex officio; thirteen members of the Faculty as provided in N4.1.1.; and student representatives as provided in N4.1.1.4. Student representatives and all other Associate and Divisional Deans of CNAS are advisory (nonvoting) members. An elected member of the executive committee is not eligible for immediate reelection unless he/she has completed a term of fewer than 18 months. Eligibility is reestablished after one year of non-service, with the following exception; if the member is elected to the position of chair of the faculty, the member may also be reelected to the executive committee. The Chair, Vice Chair, and Secretary-Parliamentarian of the faculty occupy corresponding offices in the Executive Committee. (Am 3 Feb 83)(Am 27 May 93)(Am 18 Nov 03)(Am 30 May 06) (Am 19 May 10)

Justification:

The plural “Associate Deans” in the existing bylaw is a potential source of confusion. Traditionally, only one Associate Dean has served as a full, voting member of the Committee. The proposed language guards against more future changes in the Associate Dean’s title, so that the bylaws need not be revised as frequently.

The current committee “headcount” of 15 is incorrect; it should be 14 based on the existing N4.1.1. If the proposed changes to N4.1.1 are adopted, the correct number is 13.

The term “advisory” is proposed to more clearly distinguish between voting and nonvoting members. The three “ex officio” members have full voting rights and privileges; their designation only reflects that their memberships are “automatic” because of other titles that they hold. The term ex officio has, in the past, also been used to delineate nonvoting members. The latter are better described as “advisory” (or consulting) members.
Executive Committee  
College of Natural and Agricultural Science  
Report to Riverside Division  
March, 2010  

To be adopted: Change to Bylaw N4.1.1 and N4.1.1.1

Present:  

N4.1.1 The elected membership of the committee shall include one member elected from each of the following departments: Biochemistry, Biology, Botany and Plant Sciences, Chemistry, Earth Sciences, Entomology, Mathematics, Nematology, Cell Biology and Neuroscience, Physics, Plant Pathology, Environmental Sciences, and Statistics. One member shall be elected from the undergraduate program in Biological Sciences. The first order of business of the Executive Committee after the biennial election of the Chair of the Faculty will be to determine whether the representation formula needs change and to recommend appropriately to the faculty.

N4.1.1.1 The term of office of the Chair of the Faculty is two years, elected in even years. The term of office of members of the Executive Committee is three years. The five members of the Executive Committee from the departments of Biology, Chemistry, Nematology, Cell Biology and Neuroscience and Environmental Sciences are elected in the same year; the four members of the Executive Committee from the departments of Earth Sciences, Physics, Plant Pathology and Statistics are elected in the same year; the five members of the Executive Committee from the undergraduate program in Biological Sciences and the departments of Biochemistry, Botany and Plant Sciences, Entomology, and Mathematics are elected in the same year.

Proposed:  

committee shall include one member elected from each of the following departments: Biochemistry, Biology, Botany and Plant Sciences, Chemistry, Earth Sciences, Entomology, Mathematics, Nematology, Cell Biology and Neuroscience, Physics, Plant Pathology, Environmental Sciences, and Statistics. The first order of business of the Executive Committee after the biennial election of the Chair of the Faculty will be to determine whether the representation formula needs change and to recommend appropriately to the faculty.

N4.1.1.1 The term of office of the Chair of the Faculty is two years, elected in even years. The term of office of members of the Executive Committee is three years. The five members of the Executive Committee from the departments of Biology, Chemistry, Nematology, Cell Biology and Neuroscience and Environmental Sciences are elected in the same year; the four members of the Executive Committee from the departments of Earth Sciences, Physics, Plant Pathology and Statistics are elected in the same year; the four members of the Executive Committee from the departments of Biochemistry, Botany and Plant Sciences, Entomology, and Mathematics are elected in the same year.
**Justification:**

In April 2008, there were two calls for nominations for the vacant, three-year term (2008-2011) for the Executive Committee representative from the Biological Sciences major, but none were received. There was a subsequent call for nominations from the floor at the CNAS Faculty meeting in May 2008, also without success. A memo was then sent to the Academic Senate Office stating that "Due to the re-organization of the Life Sciences Majors, this position is not being filled at this time. Bylaw changes pending."

When possible bylaw changes were discussed in 2008, the Associate Dean of Biological Sciences requested that no changes be made until the external Life Sciences Review was complete. That exercise is now complete. Moreover, the participating faculty in the Biological Sciences major recently voted to disestablish that major, thus minimizing (or eliminating) the justification for a major-specific member of the Executive Committee.

**APPROVALS:**

Approved by the Executive Committee of the College of Natural and Agricultural Sciences: 5/18/10

Approved by the CNAS Faculty: 5/19/10

The Committee on Rules and Jurisdiction finds the wording to be consistent with the code of the Academic Senate: 6/07/10

Approved by the Executive Council on behalf of the Division:______
THE UCR PROGRAM FOR
PROFESSOR OF THE GRADUATE DIVISION (PGD)

Background
The Professor of the Graduate Division (PGD) is a program available to UCR retiring/retired faculty who are fully engaged in research and/or other departmental and campus activities and who wish to continue to contribute to UC and UCR with distinction after their retirement from official active faculty status.

The program is modeled on a similar one at UC Berkeley, which has been in place since 1991.

Purpose
To retain and encourage active participation of retiring faculty who are fully engaged in research and/or other departmental and campus activities and who wish to continue to contribute to UCR with distinction.

Privileges
The PGD program carries benefits both to the individuals and to the campus, including:

1. PGD faculty will be identified (in the campus catalog and elsewhere) by the title "Professor of the Graduate Division" rather than "Professor Emeritus/a."

2. PGD faculty will have the authority to seek outside grants and serve as PI, similar to that of active faculty.

3. PGD faculty can serve as dissertation supervisors and on graduate exam committees; PGD faculty could teach and engage in administrative service. (Note that arrangements for teaching under the UC retirement recall program are negotiated separately from the PGD program; not all retired faculty on recall will hold the title of PGD, and not all holding the title of PGD will be involved in the retirement recall program.)

4. PGD faculty have the departmental voting privileges of Emeriti/ae as established under Senate bylaw 55.

5. The title of PGD carries no remuneration.
6. Office/ laboratory/ clinic/ studio space will be negotiated between the PGD faculty and department chair, dean, or research center leadership.

Eligibility and Appointment Procedure

1. To be eligible, retiring/retired faculty should have undergone a merit review during the last 4 years. (Requests, with justification, for exceptions to this eligibility criterion will be considered.)

2. The initial appointment will be for three years. Reappointment for subsequent 3-year terms can be requested, following the same procedures as for the initial appointment.

3. The applicant should submit the following materials for review:
   a. A self-statement describing the perceived benefits to the candidate and contributions to the campus that will result from having a PGD appointment
   b. An updated UC Bio-bibliography
   c. A summary of scholarly activity during the past three years (publications, grant activity, presentations and invited talks, graduate student and/or postdoctoral training)

4. Review steps
   a. A department review and vote on the proposed appointment, followed by a department letter that includes discussion of the candidate’s potential contributions and expected duties as PGD.
   b. Recommendation from the dean and members of other units, if the candidate will be participating in activities outside the home unit
   c. Comments from the Graduate Dean
   d. Evaluation by the Academic Senate Committee on Academic Personnel
   e. Recommendation by the Vice Provost for Academic Personnel
   f. Appointment by the Executive Vice Chancellor and Provost
Departmental review and letter

The review shall contain a vote of departmental faculty on the proposed appointment. The department letter shall include discussion of the nominee's potential contributions as PGD and the nominee's expected duties; comments about office space considerations could also be noted.

Decanal and supplemental reviews

The department's recommendation shall be forwarded to the Dean, who will add his/her evaluative statement regarding the proposed appointment. The file shall also be reviewed for comment by the Graduate Dean.

If the candidate will be participating in activities outside the home department, the candidate may request additional reviews by those units.

Review by the Senate Committee on Academic Personnel

Review by the Vice Provost for Academic Personnel

Appointment by the Executive Vice Chancellor and Provost
To be adopted:

Proposed changes in the core requirements for Bachelor of Science and Bachelor of Arts in Statistics including the Statistical Computing and Quantitative Management Options. Proposed changes to Quantitative Management Option

Present:   Proposed:
Bachelor of Arts

1. Core requirements (24 – 25 units)
   a) CS 10, MATH 008B, MATH 009A, MATH 009B, MATH 009C, MATH 10A
   b) Four (4) additional units in Mathematics chosen from MATH 113 or MATH 131

2. Upper-division requirements (36 units)
   a) Thirty-six (36) units of upper-division course work
      (1) STAT 147, STAT 155, STAT 157, STAT 170A, STAT 170B
      (2) Twelve (12) units chosen from STAT 127/BUS 127, STAT 130, STAT 140, STAT 146, STAT 160A, STAT 160B, STAT 160C, STAT 171
      (3) Four (4) units of STAT 197 taken at the end of Senior year

Note An introductory Statistics class such as STAT 048, or STAT 100A is strongly recommended

Bachelor of Science

1. Core requirements (24 – 25 units)
   a) CS 10, MATH 008B, MATH 009A, MATH 009B, MATH 009C, MATH 10A
   b) Four (4) additional units in Mathematics chosen from MATH 113 or MATH 131

2. Upper-division requirements (52 units)

Note [No Change]
a) Thirty-six (36) units of upper-division course work
   (1) STAT 147, STAT 155, STAT 157, STAT 170A, STAT 170B
   (2) Twelve (12) units chosen from STAT 127/BUS 127, STAT 130, STAT 140, STAT 146, STAT 160A, STAT 160B, STAT 160C, STAT 171
   (3) Four (4) units of STAT 197 taken at the end of Senior year

b) Sixteen (16) units of additional course work chosen, with the approval of the major advisor, from Statistics courses numbered 104 and higher or from related fields.

Note An introductory Statistics class such as STAT 048 or STAT 100A is strongly recommended

Quantitative Management Option

The requirements for this option are in addition to the requirements for the B.S. in Statistics, except that the option requirement takes the place of the 16 units in 2.b) above.

1. Lower division requirements (16–17 units)
   a) ECON 003
   b) BUS 010, BSAD 020A, BSAD 020B

2. Upper division requirements (16 units)
   a) MATH 113
   b) Three courses from one area
      1) Marketing: BUS 103, BUS 113, BUS 117
      2) Finance: BUS 106/ECON 134, BUS 135A, BUS 135B, BUS 136, BUS 138
      4) Management Information Systems: BUS 101, BUS 171, BUS 173

Note [no change]
Justification: A new course STAT 183 Statistical Consulting has been created. The purpose of the course is to provide our undergraduate students training on how statistics is practiced in the real world, the questions of interest, how the data are collected to answer the pertinent questions, and then how the data are analyzed to figure out the answers. Students will learn research methods with real problems.

For the Quantitative Management Option, BSAD courses have been changed by the School of Business. The new courses most reflective of the original requirements are now BUS courses.

Approved by Statistics Faculty: 3/19/2010
Approved by the Executive Committee College of Natural and Agricultural Sciences: 3/30/2010
Approved by the Committee on Educational Policy: 4/24/2010
Approved by the Executive Council on behalf of the Division: _______