University Faculty Senate Meeting
Minutes
Friday April 20~~March 23~~, 2012

1. The UFS meeting was called to order by William McDaniel, President, at 2:00~~2~~ p.m. in Engineering East 106 ~~, BOT Room~~ on the Boca Raton Campus and videoconference at the Davie Campus, the Fort Lauderdale Campus, the SeaTech Campus, the Harbor Branch Campus, and the Port St. Lucie Campus

   Members Present: William McDaniel, ~~President M. J. Saunders,~~ Provost Brenda Claiborne~~, Evangelos Kaisar~~, Bruce Arneklev, Michelle Hawkins, Rosalyn Carter, Kanybek Nurtegin, ~~Jon Moore, Stuart Galup,~~ Eric Shaw, Allen Smith, Bill Bosshardt, John Bernandin, Jim Han, John Valentine, Ernest Brewer, Valerie Bryan, ~~David Kumar, Deborah Floyd,~~ Dilys Schoorman, Susannah Brown, Mike Harris, ~~Mary "Ann" Brananman~~ Brian McConnell~~, Robert Trammell~~, Chris Beetle, Fred Hoffman, ~~Mary Faraci,~~ Tom Monson, Markus Schmidmeier, ~~Stephen Locke,~~ Jerry Haky, Morton Levitt, Schmidt-Kostner, Susan Dyess, Bernadette Lange, Ken Frankel, Teresa Van Dyke, Tim Lenz, Ron Nyhan~~, Fred Hoffman~~

   ~~Michele Hawkins, Kanybek Nurtegin, Stuart Galup, Eric Shaw, Bill Bosshardt, Ernest Brewer, Deborah Floyd, Dilys Schoorman, David Kumar, Joan Lindgren, Mike Harris, Brian McConnell, Tim Lenz, Mary "Ann" Brananman, Fred Hoffman, Markus Schmidmeier, Stephen Locke, Jerry Haky, Morton Levitt, Schmidt-Kostner, Susan Dyess, Bernadette Lange, Ken Frankel, Valerie Bryan, Robert Trammell, Jon Moore, Mary Faraci, Ron Nyhan, Chris Beetle, James Kumi-Diaka and Susannah Brown~~

   Guests Present: Diane Alperin, Ed Pratt, Karen Hooke, Tracy Boulukos, Lydia Smiley, Robert Seltzer, Jason Ball, Christina Mancini, Rachael Boba-Santos, Shirley Gordon, David Neuman, James Cavenech, Barry Linger, Harry DeMik, David Herst, Sika Dagbone', Derrick White, Andre Turner, Janet Kramer~~Linda Johnson, Nancy K Poulson, Patricia A Kollander, Juana Valdes, Eric Landes, Nora Erro Peralta, Michael Zager, Christina Mancini, Myriam Ruthenberg~~

2. The UFS meeting minutes from March~~February~~ 2012 were approved as amended.

3. President's Report: details upon request
   ~~His notes are available upon request.~~
   a) ~~-~~Average class size in SUS: A report in Orlando Sentinel, March 20, 2012: Average class size among a national sample of universities ~ 18.8. For SUS, 24.25. For FAU 21, for UCF 31 and USF 28

b) Programs terminated through Provost's office: BA in Music Business (replaced with BM in Commercial Music in 2004). The BS in Human Resources (admission has been suspended for 5 years; students can pursue degree in Business Administration and Management; one student left – to graduate May 2012). The MA in German (no current students; students interested in German literature can pursue MA in Comparative Literature). The MA in Liberal Studies (no current students; admission suspended Spring 2010; college has graduate programs in a number of areas students can pursue

c) New sign-in method for remote campuses: via e-mail to Administrative Assistant

d) Steering members, based on reports from the field, had a frank discussion with the Provost about many issues that are arising from new policies in both Summer and Fall schedules. There were examples of hardships to both students and. There was discussion as to whether some of the new policies are misinterpreted, misstated or not new policies at all.

4. UPC Consent Agenda
   Accepted without objection

5. UPC Action Items
   a) Revisions to the Academic Petitions Process
       Approved by majority vote
   b)   Information item: Signature approval process retention
   c)   Revised structure for the University Honors Council [amended to include QEP Director on Council]
       Approved by majority vote
   d)   New honors-in-the-major programs: Lenz reported that the Academic Planning & Budget Committee found minimal cost impact from the proposed actions. New honors programs in English, Political Science, Accounting, Exceptional Student Education. Minor changes in Engineering Innovation Leadership.
       Approved by majority vote
   e)   Counting Business major courses toward a minor
       Approved by majority vote
   f)   New Healthcare Information Systems Minor
       Approved by majority vote
   g)   Business Intelligence [new name] Minor and Certificate name change
       Approved by majority vote
   h)   Criminal Justice and Criminology Minor revisions
       Approved by majority vote
   i)   Revisions to the Engineering Pre-Professional Program
       Approved by majority vote
   j)   Registered Nurse to B.S. Nursing changes
       Approved by majority vote

a) Change in French, Italian, Linguistics and Spanish majors
Approved by majority vote

b) Change in Bachelor of Arts with Major in Art History
Approved by majority vote

c) Changes to the Bachelor of Fine Arts in Graphic Design
Approved by majority vote

d) Changes to Bachelor of Arts with Major in Studio Art
Approved by majority vote

e) Revisions to Bachelor of Arts in Criminal Justice
Approved by majority vote

With regard to items b, c and d, Dean Ed Pratt cautioned concerning how increases in required credits hours within a degree can discourage student enrollment and delay graduations.

6. GPC Consent Agenda
Approved without objection

7. GPC Action Item
a) Changes to Curriculum- MFA in Visual Arts: Ceramics, Drawing, Graphic Design, Painting, Photography, Printmaking, Sculpture, Book Arts
Approved by majority vote
b) GNP Master's Program Track - Terminate
Approved by majority vote
c) ANP/GNP Track Addition: This replaces the items in (b) and (d)
Approved by majority vote
d) ANP Master's Program Track- Terminate
Approved by majority vote

e)   Proposal for Revisions to Master of Science in Criminology and Criminal Justice
Approved by majority vote
f)   Structural changes to MD Curriculum
Approved by majority vote
g)   Catalogue Revisions for Mechanical Engineering Program
Approved by majority vote
h)   Proposal for BS in Bioengineering students to extend into an MS in Bioengineeering
Approved by majority vote
~~a) Dismissal Policy Change Bachelor of Social Work Program~~
~~**Approved by majority vote**~~

8.   Business Items:
a)   First Day Attendance policy: Tracy Boulukos, Financial Aid, described the problem of certifying "attended at least once" by students having Federal grants. The problem causes a large financial obligation for FAU. Steering recommended a Mandatory First Day Attendance policy. Boulukos and the Registrar will establish a task force including faculty representation to work out the details of establishing and enforcing the new policy. **The Senate approved the policy by majority vote.**
b)   2012-2013 Senate/Steering calendar: President McDaniel, for information, displayed the calendar as created by APBC and adopted by Steering.
c)   Committee on Committee's report on election results for 2012-13:
      i) President Elect: Ronald Nyhan
      ii) Steering Committee: Morton Levitt, Marguerite Purnel, Michelle Hawkins
      iii) Committee on Committees: Gary Parsons, Bonnie DiGiallonardo, Bill Bosshardt, Mike Harris, Brewer, Val Bryan.
      iv) Academic Planning and Budget Committee: Chris Beetle, Kevin Lanning, Fred Hoffman, Val Bryan. Bryan withdrew upon learning of her election to Committee
~~a)   Annual report from the Research Committee; Arlene Fradkin who spoke regarding initiatives to continue faculty mentoring in research.~~
~~b)   Changes in modus operandi of Academic Planning & Budget Committee; President McDaniel noted that the Bylaws allow the APBC to participate in the overall university budgeting process. Thus the committee will begin meeting on this subject right away with the CFO attending. The change in Article VI.A below makes the CFO an ex officio member of the APBC.~~
~~c)   Changes in Articles VI.A.2.b. and VI.3.b as to membership of Academic Planning & Budget and of Committee on Committees; the CFO and the Provost were added as non-voting members of the APBC; the COC will have 6 elected faculty members as opposed to 3.~~
~~**Approved by majority vote**~~

~~a)   Nominations for next year's Senate offices~~

i. A motion to waive rule for an electronic vote for the office of president elect failed to receive the required two thirds majority.
ii. Steering Committee: Morton Levitt, Marguerite Purnel, Michelle Hawkins, Fred Hoffman
iii. Committee on Committees: Gary Parsons, Digilarno, Bill Bosshardt, Mike Harris, Brewer, Val Bryan
iv. Academic Planning & Budget: Markus Schmidmeier, Morton Levitt, Chris Beetle, Gary Parsons, Rose Sherman, James Kumi-Diaka, Stuart Galup, Val Bryan, Kevin Lanning
v. President Elect, Ron Nyhan

9. Guest Speaker: none Candidate for Senate President Elect, Ron Nyhan

10. Collective Bargaining Report

Susan Reilly reported that the first bargaining session was held on April 13. The representatives of the BOT and UFF decided on the articles in the Collective Bargaining Agreement that would not be opened this year. The sides will meet to negotiate the opened articles throughout the summer. Bargaining session is scheduled for April 13th, 2012 on some articles in the contract.

11. Open Forum with the Provost

The Provost addressed questions from the Senate regarding the proper communication of administrative decisions and presented a brief financial summary highlighting the operating expenses as rationale for administrative decisions regarding budget cut decisions. The Provost spoke about several issues and responded to questions. [i] Key factors from the BOG meeting were shared and much emphasis was placed on three areas the BOG is looking at for universities: 1. strategic planning, 2. work plan, and 3. status reports. There have been recent changes in the work plan — currently the BOG is still considering a draft. Concerns that were raised were: low graduation rates, how will the cost a student pays to go to school be properly assessed, avoiding the duplication of programs, the process for new degree program requests. These factors might affect how the legislature votes regarding higher education. BOG staff will work with provosts in detail over the next few weeks. [ii] Tenure and promotion process will be finalized shortly [iii] SACS credentialing — restructuring the task force to include five faculty members from different courses to verify credentialing [iv] There will be The Provost and President will host a reception for all faculty who publish books on April 12th, 2012 [v] After the incident with the disruptive student, it is possible that there will be guidelines and training for faculty in terms of how to respond to those type of incidents [vi] A main priority for the budget is to protect the academic mission of the university, including instruction and support faculty classes and research. Budget s Suggestions and feedback from the Provost's website were discussed. A senator and commended her for in maintaining the line of communication enabling faculty to be more involved in the process [vii] A senator offered s Special thanks for reactivating the planning and budgeting committee.

Motion by Shaw to extend meeting for 15 minutes and seconded by Shoorman. Motion approved.

12. Comments by President M. J. Saunders

President Saunders addressed the Senate and responded to questions. [i] Strategic plan adopted for the system; BOG Presidents discuss how to keep the strategic plan with budget cuts [ii] Accountability reports [iii] Governmental and Community Relations Committee formed by the BOT to keep communication between the voices of the supporting community [iv]. She expressed concern about the response to the student incident on campus that is on "youtube" and other social media outlets. There needs to be more awareness ofShe promised to lead efforts to address the "root" of any problems regarding diversity, culturecultural diversity to close the gap on race relations, civility and understanding. Efforts are underway to develop training for faculty about dealing with disruptive situations. This comes in response to the "youtube" videos and local papers with student responses to the incident concerning a disruptive student on campus

None

13. Good of the Senate:

Ronald Nyhan reported that, in response to concerns raised by the College of Education in March's Good of the Senate[i] The impact of budget cuts on students was discussed Deborah Floyd statedA senator thatannounced that the a proposed change in tuition benefits for graduate assistants (presented to the Graduate Council during their last meeting of the year) will have implications for graduate assistants and TA's.. proposed policy about changing the stipends for graduate students The GPC should be addressed by theand the Graduate Council but it will not have regular meeting again this academic year and thus, the issues was brought to the "Good of the Senate". One of the Colleges passed a resolution encouraging "grandfathering" current graduate assistants, should the policy be changed due to budget cuts. Further, that College expressed concern about a 10% program rule being implemented. The Graduate Council was asked to address [ii] Another issue discussed was requirement that students have an approved Plan of Study on file May 4th for December graduation. This is of concern, given that the schedule of classes is uncertain for Summer and Fall. Students that need to graduate in December need to have by their Plan of Study by May 4th, 2012; however, the schedule is still not available. [iii] A senator announced that a Reception will be held following the Senate meeting at the Ddemocracy Pplaza outside the University Theatre in the Culture Building., the Dean of the Graduate College had stated that students who wish to graduate in Fall 2012 should submit their Plan of Study for approval before May 4th because many faculty who would sign the POS may not be available during the summer, however, the Graduate College would accept POS during the summer for those graduate students

graduating in Fall 2012. Further, there is a new policy being drafted regarding Graduate Assistantship tuition waivers. Dr. Rosson agreed that current GAs would not be affected (grandfathered in) and that any policy would be thoroughly discussed with faculty before implementation.

President McDaniel and the Provost commented on and fielded questions about the proposals for meeting the looming budget cuts.

The meeting was adjourned at 4:0025 pm.

Appendices

Item 4:
Consent Agenda Items
UUPC Meeting of March 23, 2012

1. New courses and course changes from the **Dorothy F. Schmidt College of Arts and Letters:**

ARH 4013*	History of Ceramics	4	New
ENG 4002	Honors Research	3	New
ENG 4932	Senior Seminar	3	Change title and desc.
ITT 3111**	Love and Lovers in Italian Literature	3	New
ITT 3540***	Italy in Lyrics	3	New
LAH 4131	Explorations in Ethnohistory in Latin America	3	Change title
LIN 4400	Morphology and Syntax	3	New
LIT 3374**	New Testament	3	New
MMC 1540	Introduction to Media Studies	3	Change title and desc.
MMC 4263	Media, Society and Technology	4 (3)	Change title, credits, prerequisites
POS 4300	Honors Senior Seminar	3	New
POS 4941	Internship	3 (1-3)	Change credits

* Approved by the Anthropology and History departments ** Approved by the English Department
*** Approved by the History and Music departments

2. New courses and course changes from the **College of Business:**

ACG 3141	Intermediate Theory 2	3	Change pre- and coreqs.
ACG 3151	Intermediate Theory 3	3	Change description
ACG 4401	Accounting Information Systems 1	3	Change pre- and coreqs.
ACG 4682	Fraud Examination	3	Change prerequisites
ISM 3007	Social Media Innovation	3	New
ISM 3230	Introduction to Computer Systems Software Development	3	Change description

ISM 4041	Social, Legal and Ethical Issues of Digital Data	3	New
ISM 4058	Mobile Apps for Business	3	New
ISM 4133	Advanced Systems Analysis and Design	3	Change prerequisites
ISM 4323	Security Management	3	Change title
ISM 4381	Healthcare Information Systems	3	New
ISM 4403	Advanced Business Intelligence	3	Change description
ISM 4433	Social Media and Web Analytics	3	New
MAN 3506	Operation Management	3	Change description
QMB 3600	Quantitative Methods in Administration	3	Change description
TAX 4001	Federal Taxation 1	4	Change pre- and coreqs.

3.   New courses from the College for Design and Social Inquiry:

ARC 3133****	Architectural Representation	2	New
CCJ 4551	Teen Technology Misuse	3	New

**** Approved by the Visual Arts and Communication departments

4.   New course from the College of Education:

EEX 4934	Honors Seminar in ESE	1-2	New

5.   New courses from the College of Engineering and Computer Science:

EGN 4906	Honors Directed Independent Studies	3	New
EGN 4972	Honors Undergraduate Thesis	3	New

6.   New courses and course change from the Charles E. Schmidt College of Science:

CHM 3609	Inorganic Chemistry	3	Change prerequisites
CHM 4714	Materials Chemistry	3	New
GEO 4920	Geosciences Honors Colloquium	1	New

Items 5: All the below are Senate approved except for the information item in (b)

University Undergraduate Programs Committee (UUPC) Report of Action Items Approved at the Meeting of March 23, 2012

1.   Revisions to the Academic Petitions Process Item 5(a) on Senate Agenda

Undergraduate Studies Dean Edward Pratt is proposing revisions to the Academic Petitions Process that include restricting the time limit for academic withdrawals to one year and cleaning up current illogical procedures such as requiring undeclared majors to file petitions with their college, among other measures delineated in the revised catalog language below. **The UUPC approved the changes.**

Petitions
Academic Petitions Process

Students are expected to be familiar with and to conform to the regulations of the University. An academic petition may be filed when a particular academic requirement or regulation causes undue hardship for the student. Please note that this process does not concern itself with grade reviews (see University Regulations, Chapter 4, Regulation 4.002, Student Academic Grievance Procedures for Grade Reviews at www.fau.edu/regulations) nor does it act on any financial matters, including refunds for dropped classes or withdrawals (see Fee Petitions and Other Petitions below).

Degree-seeking undergraduate students with declared majors submit their petitions to their college's student services office. Degree-seeking students with undeclared majors submit their petitions to Freshman Academic Advising Services.

Non-degree-seeking students should direct their petitions to the college, department or program to which their request applies.

A non-degree-seeking student wishing to withdraw from two or more course(s) must submit a separate petition for each course.

The procedures to file an academic petition are as follows:
1. Petitioner must fill out an Undergraduate Petition form. The form may be picked up at the college's student services office or at Freshman Academic Advising Services. The petitioner *must* attach any pertinent information in support of the petition (i.e., medical reports, records, verifying letters, memos from instructors, etc.).

Note: No petition will be considered without the appropriate documentation. Students should consult their college's student services office or Freshman Academic Advising Services for advice on the type of documentation needed.

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2. A typewritten statement describing the extenuating circumstances of the petitioner's request must be submitted with the Undergraduate Petition form.

3. Petitioner must return, signed and dated, the original page of the completed petition form to the college's student services office or Freshman Academic Advising Services, whichever applies.

The decision of the college or Freshman Academic Advising Services will be communicated to the petitioner in writing by mail or by email. No petitions will be accepted after the student has graduated.

Petitions related to academic withdrawals will not be accepted after one academic year from the end of the semester in which the course was taken.

Academic Appeals
Appeals of petition decisions should be directed to the college dean or, in the case of decisions made by Freshman Academic Advising Services, to the Dean of Undergraduate Studies. The decision of the dean (or dean's designee) constitutes final university action.

Fee Petitions
Contact the Controller's Office if the petition relates to refunds, waivers or withdrawal from courses for other than exceptional circumstances.

Other Petitions
Withdrawal for exceptional circumstances is a type of petition for which the Office of Student Affairs is responsible. This type of petition is discussed in detail in two sections of the University Catalog: the Academic Policies and Regulations section and in the Tuition, Fees and Refunds section.

2. **Signature approval process retention**
The **UUPC passed a motion** in support of retaining the existing signature approval process for program/course proposals and changes, noting that the governance process is meant to be faculty controlled and that the administration, represented by the President, has veto power once proposals have been vetted by the faculty. The committee is concerned that requiring administrative approval before proposals have been considered at the faculty level would also violate University Faculty Senate (UFS) laws and feels as well that the UFS should vote on any changes to the signature approval process.

3. **Revised structure for the University Honors Council (UHC)** Item 5(c) on Senate Agenda Honors Dean Jeffrey Buller is proposing reorganizing the University Honors Council in order to implement the recommendations of the Honors Education Taskforce. Changes include expanding the council in size to include more representation, requiring that the chair be a voting member, and mandating monthly (rather than as-needed) meetings, among other modifications detailed below. **The UUPC approved the changes.**

Purpose

The Florida Atlantic University Honors Council (UHC) will function in two capacities.

1. As a subcommittee of the University Undergraduate Program Committee, the UHC will advise the UUPC on *curricular matters related to honors education* at Florida Atlantic University, including whether:
    a. Courses proposed for honors credit meet appropriate institutional standards.
    b. Newly proposed upper-division honors programs meet the criteria established for such programs.

2. As a council within the Division of Academic Affairs, the UHC will:
    a. Promote the development of additional upper-division honors programs.
    b. Oversee the implementation of recommendations arising out of the August 18, 2011 report of the Honors Education Taskforce.
    c. Encourage cooperation and the exchange of ideas among all honors pathways at Florida Atlantic University.

Membership

1. The Florida Atlantic University Honors Council will have eleven voting members, all chosen according to the appropriate policies in their colleges:
    a. Two members each from colleges with traditionally high involvement in honors education at both the lower and upper divisions:
        i. The Wilkes Honors College
        ii. The Schmidt College of Arts and Letters.
        iii. The Schmidt College of Science
    b. One member each from other colleges that participate significantly in undergraduate education:
        i. The College of Business
        ii. The College for Design and Social Inquiry
        iii. The College of Education
        iv. The College of Engineering and Computer Science
        v. The Lynn College of Nursing

The Graduate College and the Schmidt College of Medicine are not represented on the University Honors Council since this body deals exclusively with the undergraduate curriculum.

2. The Dean of the Wilkes Honors College, the Dean of Undergraduate Studies, the Coordinator of the University Honors Program, and the Director of the QEP (for as long as the University's QEP topic deals extensively with either undergraduate research or honors education) will be *ex officio*, non-voting members of the UHC.

3. The presence of six of the Council's eleven voting members will be considered a quorum for the purposes of conducting business.
4. It is strongly recommended that individuals elected to membership on the University Honors Council by their colleges have experience in honors education at the faculty or administrative level either at Florida Atlantic University or at another institution.

Operation
1. The chair of the University Honors Council will be elected from among the eleven voting members.
2. The University Honors Council will have one regular meeting per month from September through April.
3. Additional meetings may be called by the chair of the UHC or by one of the *ex officio* members.

4. **New honors-in-the-major programs** Item 5(d) on Senate Agenda
In line with the University goal of implementing additional honors opportunities, five departments are proposing new honors-in-the-major programs: **English, Political Science, Accounting** (in the form of a revamped Accounting Scholars program), **Exceptional Student Education** and **Geography**. All received approval at the departmental and college levels, as well as from the University Honors Council, after meeting four criteria: set entrance requirements, standards for continuation in the program, honors enrichment elements (i.e. honors compact) and a required capstone project. A document containing proposals for each program is attached. **The UUPC approved the five new programs.**

5. **Counting Business major courses toward a minor** Item 5(e) on Senate Agenda
The College of Business is proposing allowing a maximum of 3 credits be double counted between a major and a minor, a policy change designed to encourage students to pursue minors without overburdening them. All majors and minors would still require the same number of credits, but under the new policy, 3 of those credits could apply to both programs. Explanatory memo included below. **The UUPC approved the policy change.**

Proposal for Counting Courses Already Taken for a Major Toward a Minor

The dean's office proposes allowing double counting of courses between majors and minors. This will potentially speed graduation for business students who desire a business minor and will promote more business students taking minors within the college.

The language change proposed below would affect the current wording of most minors in the catalog in the areas of: Accounting, Economics, Finance, Real Estate, Management Information Systems, Operations Management, Marketing, Hospitality, Entrepreneurship.

Change from: Courses used for the XXX minor may not count toward other business major or College core requirements.
Change to: A maximum of 3 credits used for the XXX minor may count toward other business major requirements. A minimum of two courses (6 credits) must be exclusive to the minor.
Rationale:

Minors in the COB require at least one 3-credit college core course and then an additional 9 credits. This change would potentially allow students in a major that has courses related to a minor area to take only 6 additional credits (two additional courses) in order to fulfill requirements for a minor. This does not undercut the requirement for 12 credits toward the minor but rather allows students a creative alternative to have credits already earned toward a major to apply to a minor. This aligns with the UUPC guidelines that "Minors for specific student groups may have lower requirements if the student is presumed to have already completed work related to the minor. The total body of work for these minors should meet the minimum standards." Currently, students can apply credits earned toward a minor to their majors through petitioning to the Department chair and the petitions usually get approved.

The change in the language will benefit both departments and students. The departments will be encouraged in creating cross-disciplinary minors and work in collaboration with other departments. Students will have the access and the opportunity to pursue multidisciplinary studies and expand their skills beyond their majors, in alignment with the industry needs.

6.   **New Healthcare Information Systems Minor** <mark>Item 5(f) on Senate Agenda</mark>
The College of Business is proposing a 12-credit Healthcare Information Systems (HIS) minor that would be offered jointly by the Department of Information Technology and Operations Management and the Health Administration program. The intent is to answer a demand for HIS professionals. The program would require adding courses to the inventory (ISM 4041, ISM 4381, see Consent Agenda), but existing courses are to be terminated to maintain a balance. Proposal included below. **The UUPC approved the program.**

The Department of Information Technology and Operations Management (ITOM) proposes that the Healthcare Information Systems (HIS) minor be created for undergraduate students. The HIS minor will be jointly offered by ITOM and Health Administration program. Both ITOM and the Management Department unanimously approved the joint minor. HIS professionals are in demand. Their jobs require the skills that are inherently interdisciplinary comprising both of knowledge in Health Administration and Management Information Systems. While these two disciplines are taught in the College of Business, students rarely take courses across the two disciplines to acquire the necessary knowledge unless

a cross-disciplinary minor is created to encourage specialization in this field. This minor will provide this opportunity to the students.

The Minor in Healthcare Information Systems is a 12-credit program available to all FAU degree-seeking students and enhances the qualifications of students pursuing careers in fields related to healthcare. Professions and majors that will benefit from the minor include healthcare administration, nursing, medicine, biomedical sciences, actuaries, insurance, information technology, management information systems and others.

PROPOSED TEXT:
The minor requires successful completion of the courses below with minimum grades of "C." At least 9 of the 12 credits must be earned from FAU. For non-Business majors, waiver of prerequisites will be made on a case-by-case basis.

ITOM: Two courses from the following three
1. ISM 4381, Healthcare Information Systems
2. ISM 4041, Social, Legal, and Ethical Issues of Digital Data
3. MAN 4029, Service Operations

Health Administration:
1. HSA 3191, Technology in Healthcare Organizations
2. HSA 3111, Health Delivery Systems

The faculty voted unanimously in favor of the creation of HIS minor on February 15, 2012.
Should you require anything further, please contact Tamara Dinev, FL218, extension 7-3181.

7. **Business Intelligence Minor and Certificate name change** Item 5(g) on Senate Agenda

The Department of Information Technology and Operations Management is proposing changing the names of its Business Intelligence minor and certificate to "Business Analytics" minor and certificate to align with the recently renamed major (approved in fall 2011). **The UUPC approved the changes.**

8. **Criminal Justice and Criminology Minor revisions** Item 5(h) on Senate Agenda

The School of Criminology and Criminal Justice is proposing curricular revisions to its Minor in Criminal Justice and Criminology designed to align the minor with the recently revised major. The revisions to both programs are meant to provide more structure, eliminate redundancies and increase academic rigor. Minimum credits (15) would remain the same. Changes to the minor include requiring three core courses and two upper-division electives as opposed to two core courses and three upper-division electives. Explanatory memo included below. **The UUPC approved the changes.**

MEMORANDUM

To: UUPC Committee

From: Khi V. Thai, Interim Director *KVT*
        School of Criminology and Criminal Justice

        Sameer Hinduja, Undergraduate Program Coordinator
        School of Criminology and Criminal Justice

Date: February 22, 2012

RE;   Request for Revised Minor Curriculum Approval

The School of Criminology and Criminal Justice is pleased to submit a revised curriculum for our Minor in Criminal Justice and Criminology. The revised curriculum proposal is a result much collaboration, feedback, planning, and months of discussion among our faculty; and our CCJ faculty approved it unanimously at our January 17, 2012 meeting.

The revised minor will provide more structure to students in keeping with the new revisions to our Major (which are occurring concurrently). It will also constrain their course choices in a way that gives them a stronger foundation about core concepts taught in specific classes which we believe they must have. It also removes some redundancy in subject matter coverage.

The revised curriculum does not require additional faculty resources, or new course proposals.

Old Program

A minor in Criminal Justice shall consist of a minimum of 15 credits in upper division criminal justice courses. The student must complete:

1. Criminology, CCJ 3014, and The Criminal Justice System, CCJ 3024 (6 credits); and
2. Any three of the electives at the course level of 3000 or above (9 credits).

In the case of transfer students, a minimum of 15 credits of upper division courses with the CCJ, CJC, CJE, or CJL prefix must be taken in residence at Florida Atlantic University, including core courses, if lacking.

New Program:

A minor in Criminal Justice shall consist of a minimum of 15 credits in upper division criminal justice courses. The student must complete:

1. CCJ2002 – Law, Crime, and the Criminal Justice System, CCJ 3014 – Criminology, and CCJ 4054 - Ethics and the Justice System (9 credits); and

2. Any two of the electives at the course level of 3000 or above (9 credits).

In the case of transfer students, a minimum of 15 credits of upper division courses with the CCJ, CJC, CJE, or CJL prefix must be taken in residence at Florida Atlantic University, including core courses, if lacking.

9. Revisions to the Engineering Innovation Leadership Honors Program <mark>Item 5(d) on Senate Agenda</mark>

The College of Engineering and Computer Science is proposing revamping its Innovation Leadership Honors program. Over the past three-plus years of the program's existence, it has proven to be credit heavy and logistically difficult to implement and has drawn in fewer students than anticipated as a result. The proposed changes are designed to address those issues in part by reducing the number of credits from 19 to 12. Explanatory memo provided below. The University Honors Council endorsed the proposal. **The UUPC approved the changes.**

Proposed Innovation Leadership Honor Program Revisions

Introduction and Background

The College of Engineering and Computer Science has recently established the Innovation Leadership Honors Program (ILHP) for outstanding engineering undergraduate students. The top 5 percent of the entering sophomore and transfer students with excellent academic achievement will qualify for the revised Honors Program. Those students will be invited to join the Honors Program after the completion of their pre-professional program.

In 2005, the College Executive Advisory Council, comprised of some 25 top-level engineering and business executives, recommended and encouraged the College to consider a strategy that will prepare FAU Engineering graduates for the workplace of tomorrow. During the spring semester of 2008, the Innovation Leadership Honor Program proposal passed all the approval processes by the University. The proposed program required an overlay of 19 credits to the existing engineering programs.

The Innovation Leadership Program is currently in its fourth year of implementation. It appears, however, that with the overlay of a relatively large number of credits, the curriculum is not sustainable in its current format. After three years, there are 30 students in the program, with the third (last) group consisting of only four students.

Since June 2011, the College Undergraduate Committee has reviewed the ILHP and proposed appropriate revisions. The committee invited a number of individuals to offer input into the process, including the Dean of Undergraduate Programs, the Director of QEP, the Chair of the College Executive Advisory Board, the Director of ILHP and the faculty from the College. In addition, the committee met with all ILHP students and conducted several surveys pertaining to the program. The revised program, which is proposed below, is the outcome of many deliberations by departmental representatives in the Committee and the College's Associate Dean for Academic Affairs.

<u>Innovation Leadership Honors Program</u>

<u>I.   Objectives</u>:

<u>1)   To develop effective leadership capabilities in top engineering students by exposing them to real-life experiences that require independent decision making, well established goals and objectives and valuable risk-assessment skills.</u>

<u>2)   To encourage creativity and innovative thinking in top engineering students by exposing them to undergraduate research and open-ended practical problems.</u>

<u>II.   Eligibility:</u>

<u>Engineering students with strong academic records and interest in improving their leadership and innovation skills are encouraged to apply for the ILHP program. Students must meet the following program entry requirements:</u>

- <u>A cumulative GPA of at least 3.25 (both from FAU and from each of the previous institutions of higher education attended). After being admitted to the ILHP, students must maintain the aforementioned minimum GPA requirement. If a student's overall GPA falls below 3.25, a one-semester grace period may be given for improvement.</u>

- <u>Addition eligibility requirements by various departments within the College include:</u>

  <u>CEGE:</u>

  - <u>Minimum grade of "B+" in Statics for Civil Engineering students.</u>

  - <u>Minimum grade of "B+" in Plane Surveying for Geomatics Engineering students.</u>

  <u>OME:</u>
  - <u>Minimum grade of "C" in all of the courses taken.</u>

  - <u>A course grade of at least "B" in both Statics and Engineering Thermodynamics courses.</u>

<u>III.   Requirements:</u>

<u>Students who are interested in being part of the ILHP must meet the following criteria:</u>
- *<u>Two ILHP workshops (EGN 3937, and EGN 4937</u>*<u>; one per semester, 1 credit each, S/U Grading). Each ILHP student is required to register for these workshops during the first year of the ILHP program. The workshop format is</u>

already developed for the past three years. The workshops emphasize the elements of leadership and leadership development with the involvement of team projects and hands-on activities. The workshop sequence of 1 credit is part of our current ILHP.

- *Enrichment Experience* (*EGN 4949*, 1 credit, research service or others (S/U Grading). Each ILHP student is required to complete the internship during the ILHP program, where the student will have a leadership role on a team-based project. The Division of Engineering Student Services at the College of Engineering and Computer Science and the FAU Career Development Center will assist placing students in engineering internships. A written report and oral presentation of their work and experience is required.

- *Innovation and Entrepreneurship* (*ENT 4024*, 3 credits). Each ILHP student is required to complete the existing course during the first year in the ILHP. The contents of the course include the principle of creativity, critical thinking, innovation, entrepreneurship, intellectual property, business and financial plans, and marketing. Students will develop and present to potential sponsors a proposal for a venture-funded team project. The course is part of the current ILHP.

- A College ILHP day every semester (including the first year and second year group gathering and sharing information and insights into academic and professional activities).

- All ILHP students (except Computer Science majors) must be actively involved in and provide leadership to any of the student clubs/societies of their choice.

- All ILHP students must either present or participate in FAU Undergraduate Research Symposiums.

- All ILHP students must maintain a cumulative GPA of at least 3.25.

- An ILHP student must take one of the following two course options, depending upon his/her designated major:

(a) *Honors Directed Independent Study* (*EGN 4906*; 3 credits)

- Allows an *Ocean and Mechanical Engineering* ILHP student to carry out collaborative research projects in the newly established *Innovations and Leadership Laboratory*. The projects will enable students to investigate multi-disciplinary, open-ended problems with systematic design and development plans.

This course can be counted as a Technical Elective for Mechanical Engineering program (excluding the Ocean Engineering program);

- Allows a *Civil, Environmental* and *Geomatics Engineering* ILHP student to carry out an honors practical project supervised by a department faculty member and a Department Advisory Board member. Successful completion of the project includes, but is not limited to, a final presentation and a conference paper or poster submission. This course can be counted as a 3-credit Civil Engineering Technical Elective;

- Allows a *Computer & Electrical Engineering and Computer Science* ILHP student to perform a one-semester mini-research or mini-project guided by one department faculty member. To facilitate this, all department faculty members provide their Honor DIS topics ahead of time and post them on the department website. At the end of the semester, the student is expected to turn in a paper or an extended technical report. This course can be counted as a 3-credit Technical Elective.

(b) *Honors Undergraduate Thesis* (*EGN 4972;* 3 credit hours)

- A *Computer & Electrical Engineering and Computer Science* ILHP student who chooses this course must find a thesis advisor who will be his/her main guide in a basic or applied research project. The student and the advisor will jointly form a three-member thesis committee (consisting of at least one more CEECS department faculty member). It is the student's responsibility to take the leadership role in organizing his/her thesis defense. The submitted thesis must be bound and be in a format similar to the FAU Master's theses. This course can be counted as a 3-credit Technical Elective.

10. Revisions to the Engineering Pre-Professional Program <mark>Item 5(i) on Senate Agenda</mark>

The College of Engineering and Computer Science is proposing changes to its Pre-Professional Program as a result of logistical difficulties with its current structure, including the fact that many transfer students have already taken some currently required courses. The changes outlined below are designed to meet the needs of both FAU students and transfers. **The UUPC approved the changes.**

Proposed Pre-Professional Program Revisions

Effective fall 2012, entering freshmen and all transfer students will be directly admitted to the revised College pre-professional program. To be admitted to one

of the Engineering or Computer Science programs in the College of Engineering and Computer Science, a student in the pre-professional program must satisfy the following requirements:

1. Students must meet University admission requirements.
2. In each core course listed below, students must obtain a minimum grade of "C" and a GPA in the core courses of 2.5 or greater. Calculation of the core GPA will be based on the highest grade received (in at most two attempts for any of the option-listed courses) in each of the core courses. Advanced-placement credit scores 4 or above will be given credit for the appropriate course(s). A score of 5 is equivalent to an A and a score of 4 is equivalent to a B.

Pre-Professional Program core courses

Department of Electrical and Computer Engineering: MAC 2281, Calculus for Engineers 1 (1) and MAC 2282, Calculus for Engineers 2 (2).

Department of Ocean and Mechanical and Department of Civil Engineering, Environmental & Geomatics Engineering: MAC 2281, Calculus for Engineers 1 (1) and PHY 2043, Physics for Engineers 1.

Department of Computer Science:
MAC 1147, Pre-Calculus Algebra and Trigonometry (4 or 5 credits) (4) and COP 2220, Introduction to C.

Notes:
(1) MAC 2311 and MAC 2253 are substitutes.
(2) MAC 2312 and MAC 2254 are substitutes.
(3) PHY 2048 is a substitute.
(4) MAC 1140 and MAC 1145 are substitutes.

Students may repeat a core course **ONLY ONCE.** Failure to receive a passing grade in the second attempt is grounds for denial of admission to an Engineering or Computer Science program.

The entry-level mathematics requirement for the engineering programs is Calculus 1. Students who are placed in lower-level mathematics courses based on their ALEKS test scores and who need to maintain full-time status may have problems finding courses that are accepted in an engineering or computer science program in future semesters. This may delay their entry into a particular engineering or computer science program.

After successfully completing the core courses, students may apply to a particular engineering program. Admission will be based on the students' performance in the core courses. The Division of Engineering Student Services (561-297-2680) is available to assist students in selection of a major field of study.

Students with engineering degrees from ABET accredited institutions will be directly admitted to engineering or computer science programs of their choice.

Students may appeal denial of admission to an engineering or computer science program through the academic petition process. For an appeal to have merit, students must explain new academic or personal information as well as extenuating circumstances. The evidence should show a student's case is stronger than the GPA evidence suggests. The faculty coordinator for the pre-professional program will review the petition according to the established College guidelines and make a recommendation to the academic petition committee.

The College of Engineering and Computer Science fully complies with the State of Florida Common Prerequisites for Computer Science and for Engineering. Students transferring from Florida community or state colleges who meet the pre-professional program course requirements will be directly admitted to the particular engineering and computer science program of their choice.

The College of Engineering and Computer Science participates in the Southeast Florida Engineering Education Consortium, a collaborative effort among public colleges and universities in this region. Detailed advising sheets outlining the courses needed at the community or state college and at FAU are available for students transferring from Miami Dade, Broward and Palm Beach and Indian River colleges. These sheets also provide a useful guide for students transferring from other institutions. Students should contact their community or state college advisor or the FAU department in which they intend to enroll.

11. R.N. to B.S.N. changes
The College of Nursing is proposing adding four required courses to its R.N. to B.S.N. program in order to align with American Association of Critical-Care Nurses standards. This would reduce electives from 12 credits to 3 credits. All courses are currently offered, and additional faculty would not be required. Proposed catalog revisions are highlighted below. **The UUPC approved the changes.**

New/Revised Catalog:
Courses in the Program: RN to B.S.N.

Required lower-division prerequisite courses will be reviewed with an academic advisor.

Required Courses (FAU or community/state college)		
English Composition		6
Anatomy and Physiology 1 and 2 with Labs		8

Course	Number	Credits
Microbiology with Lab	-	4
Chemistry	-	3
Introduction to Sociology	-	3
Introduction to Psychology	-	3
Human Growth and Development	-	3
Nutrition	-	3
Statistics	-	3
College Algebra or equivalent	-	3
General education courses required by the University are described in the Degree Requirements section of this catalog. In addition, students must fulfill Gordon Rule and foreign language requirements.		
Upper-Division Nursing Courses*	-	-
Pharmacotherapeutics	NUR3145	3
General Pathophysiology	NUR 4125	3
Nursing Situations Health Assessment Modalities	NUR 3065	2
Nursing Situations in Practice: Health Assessment Modalities	NUR3065L	1
Introduction to Nursing as Discipline and Profession	NUR 3115	3
Nurse as Scholar	NUR 4805	3
Nursing Situations with Individuals, Families and Groups in Communities	NUR 4607	4
Nursing Research	NUR 4165	3
Nursing Practice Leadership	NUR 4836	3

Practicum in Integrative Nursing	NUR 4836L	3
Nursing electives		3
Validated credits granted at completion of nursing courses		20
Upper-division requirements in Arts and Letters or approved Nursing electives		6
Elective		3

* A complete background check is required for admission to the RN to B.S.N. program.

Item 6:

University Graduate Programs Committee: Consent Agenda03/14/2012

GIS 6032C	LiDAR Remote Sensing and Applications	Science	3	New
NGR 6723L	Advanced Nursing Administration Practicum 1	Nursing	N/A	Change
NGR 6233	Advanced Nursing Situations: Care of Adults with Complex, Specialized Health Needs- Terminate	Nursing	N/A	Change
NGR 6233L	Advanced Nursing Situations in Practice: Care of Adults with Complex, Specialized Health Needs- Terminate	Nursing	N/A	Change
NGR 6252	Advanced Nursing Situations: Care of Older Adults with Complex, Specialized Health Needs - Terminate	Nursing	N/A	Change
NGR 6252L	Advanced Nursing Situations in Practice: Care of Older Adults with Complex, Specialized Health Needs-Terminate	Nursing	N/A	Change
NGR 6700	Introduction to the Emerging Nurse Leader	Nursing	3	New

NGR 6607L	Advanced Nursing Situations in Practice: Care of Adolescents, Adults, and Older Adults with Complex, Specialized Needs	Nursing	4	New
NGR 6607	Advanced Nursing Situations: Care of Adolescents, Adults, and Older Adults with Complex, Specialized Needs	Nursing	3	New
ARE 6342	Art Education in Secondary School	Education	3	Change
CCJ 6196	Conflict Management & Dispute Resolution	CDSI	N/A	Change
CCJ 6489	Issues in Community Justice	CDSI	N/A	Change
CCJ 6669	Class, Race, and Gender in Criminal Justice	CDSI	3	New
CCJ 6709	Qualitative Research and Evaluation in Justice Systems	CDSI	N/A	Change
CCJ 6931	Seminar in Justice Policy Reform	CDSI	N/A	Change
CJE 6426	Police and the Community	CDSI	N/A	Change
ARC 5206	Advanced Architectural Theory	CDSI	N/A	Change
ECO 6906	Directed Independent Study	Business	N/A	Change
ACG 6135	Advanced Accounting Theory	Business	3	Change
ACG 6315	Advanced Analysis and Application of Accounting Data	Business	3	Change
ACG 6137	Financial Reporting and Accounting Concepts	Business	3	Change
ACG 6347	Cost Accounting Theory and Practice	Business	3	Change
ISM 6404	Advanced Business Analytics	Business	3	New
BMS 6015	Fundamentals of Medicine 1	Medicine	10	Change
BMS 6016	Fundamentals of Medicine 2	Medicine	N/A	Change
BMS 6017	Fundamentals of Medicine 3	Medicine	N/A	Change
BMS 6031	Fundamentals of Biomedical Science 1	Medicine	8	Change
BMS 6032	Fundamentals of Biomedical Science 2	Medicine	6	Change
BMS 6033	Fundamentals of Biomedical Science 3	Medicine	6	Change
BMS 6045	Synthesis and Transition	Medicine	N/A	Change

BMS 6631	Hematology and Oncology-Termination	Medicine	N/A	Change
BMS 6540	Pathophysiology and Therapeutics 1	Medicine	N/A	Change
BMS 6541	Pathophysiology and Therapeutics 2	Medicine	N/A	Change
BMS 6542	Pathophysiology and Therapeutics 3	Medicine	N/A	Change
BMS 6543	Pathophysiology and Therapeutics 4	Medicine	N/A	Change
Memo	Catalog Change- Direct Care Core and Cognate/Elective Courses	Nursing	N/A	N/A
Memo	Catalog Change-Related to Admission Requirement - # 6	Nursing	N/A	N/A

Item 7: All GPC Action Items are Senate-Approved

12. THE DOROTHY F. SCHMIDT COLLEGE OF ARTS AND LETTERS minor Item 7(a) on Senate Agenda

Department of Visual Arts and Art History
777 Glades Road
Boca Raton, Florida 33431
tel: 561-297-3870
fax: 561-297-3078
www.fau.edu/VAAH
To: Graduate Curriculum Committee
From: Linda K Johnson
Chair, Department of Visual Arts and Art History
Florida Atlantic University
Date: January 26, 2012
RE: Curriculum Changes to the Master of Fine Arts in Visual Arts
The Department of Visual Arts and Art History was approved to add concentrations to the Master
of Fine Arts in Visual Arts beginning Fall 2012. The MFA in Visual Arts will offer concentrations
in the following areas: Ceramics, Drawing, Graphic Design, Painting, Photography, Printmaking,
Sculpture and Book Arts. Attached is an outline of the curriculum changes that the Department is
proposing to facilitate delivery of this program. These program changes can be delivered utilizing
the current faculty members and existing resources within the Department.
DOROTHY F. SCHMIDT COLLEGE OF ARTS AND LETTERS
777 Glades Road
Boca Raton, FL 33431

SIGNATURE APPROVAL ROUTING FOR MEMOS – GRADUATE PROGRAMS COMMITTEE
DATE: February 3, 2012
SUBJECT: Curriculum Changes to the Master of Fine Arts in Visual Arts
FROM: Linda K. Johnson, Chair
See attached memo

_____

Linda K. Johnson
Chair, Department of Visual Arts and Art History

_____

Dr. Nancy Kason Poulson
Chair, Dorothy F. Schmidt College of Arts and Letters Graduate Programs Committee

_____

Dr. Heather Coltman
Interim Dean, Dorothy F. Schmidt College of Arts and Letters

_____

Dr. Debra Floyd
Chair, University Graduate Programs Committee

_____

Dr. Barry Rosson
Dean, The Graduate College

MASTER'S PROGRAMS
Master of Fine Arts with Major in Visual Art (Changes effective fall 2011.)
The M.F.A. with Major in Visual Art is designed to further the conceptual development, aesthetic presentation,
technical skill and career goals of the M.F.A. candidates. M.F.A. degrees are offered in the following studio concentrations: Ceramics, Drawing, Painting, Photography, Printmaking and Sculpture (Boca Raton campus),
Computer Art and Graphic Design (Fort Lauderdale campus) and Book Arts (Boca Raton and Fort Lauderdale
campuses). These concentrations are designed to incorporate courses from the range of studio areas should the
student desire this type of cross-disciplinary approach and flexibility. Graduates of the programs will be prepared for
careers as professional artists. The programs will provide opportunities for students to develop their interests and
talents at the terminal degree level.
Master of Fine Arts in Visual Art: Ceramics, Drawing, Painting, Photography, Printmaking, Sculpture and
Book Arts
Admission Requirements
1. Bachelor of Fine Arts, Bachelor of Arts or equivalent degree.
2. A "B" average or better in all coursework while registered as an upper-division student working for a bachelor's
degree.
3. Graduate admission application submitted online to FAU's Graduate College. Application is available at www.fau.edu/graduate.
4. Official college transcript(s) submitted to FAU's Graduate College.
Applicants must submit the following to the departmental graduate coordinator, Dorothy F. Schmidt College of Arts
and Letters, Florida Atlantic University, Department of Visual Arts and Art History, AH 52, Room 118, 777 Glades
Road, Boca Raton, FL 33431.

1. A statement of intent (stating area of concentration) and brief résumé.
2. Three letters of recommendation (preferably from previous instructors and/or professionals familiar with the
applicant's academic and artistic background). The letter should be on letterhead or submitted on a form downloaded
from the Graduate College website.
3. Portfolio of 20 slides/CD images of recent work in area of concentration. A maximum of four details and/or
alternate views is acceptable. Applications for painting must include a minimum of two details. Each image should be
identified with name, medium, size, date and the top of the image indicated. CD images must include ID information
on disk and a printed description sheet.
4. Copy of official transcript.
5. CD will be returned if accompanied by a self-addressed envelope with sufficient postage.
6. Deadline for applications (online and postmarked): February 21st (fall admission only).
Completed admission portfolios must be submitted directly to the Department of Visual Arts and Art History, Attention:
Graduate Coordinator. The Graduate College will be notified by the department of the evaluation results and will
notify candidates. Only completed portfolios and application packets will be considered.

Program Requirements and Curriculum
This full-time M.F.A. program requires a minimum of 60 credits and includes the following distribution of credits. The
department admits full-time graduate students in the fall of each year.

Concentration:
Ceramics, Drawing, Painting, Photography,
Printmaking, Sculpture or Book Arts
24-32
Art Electives (may be in area of concentration) 12
Art, History or Criticism 12
Free Electives (may be outside the Art Department) 4
Documentation/Thesis Exhibition (required for all M.F.A.
candidates) 8
Graduate Documentation ART 6956C 4
Graduate Thesis Exhibition ART 6972C 4
All candidates accepted into the M.F.A. program will be assigned a three-member supervisory committee from the
department faculty with at least one member from the student's stated area of concentration for the first year. The
three-member composition of the supervisory committee will change for the second year. At the end of year two, the
M.F.A candidate will select a three-member committee (by April 30) that will direct them through their exhibition and
thesis statement and documentation in year three. The committee will be composed of the candidate's major
professor (usually from area of concentration) and a member or members of the department faculty. An additional
member may be from outside the department and is encouraged. Each committee will meet periodically during each
semester to supervise the candidate's progress for the entire period of study. Candidates are required to meet with
their committee for an end-of-semester review each term and individual members are to meet at least once with the
student during the term. During the candidate's first semester, the candidate will be required to give a presentation of
their works in an open-attendance forum.
Upon completion of a minimum of 18 credits, candidates will undergo a first-year oral review organized by their
committee and voted on by participating department faculty to determine appropriate progress in their studio work.
First-year reviews are scheduled at the end of each spring term. The department's graduate coordinator sets the

review dates and times. Successful completion of this review is a prerequisite for continuing as a candidate for the
degree.
In the last semester of residency, the candidate will present a graduate exhibition in one of the University galleries.
The exhibition will be curated by the M.F.A. candidate and members of the candidate's committee. An oral examination focusing on the candidate's work will take place in the exhibition area prior to the opening. Successful
completion of this examination is required for awarding of degree.
The Department of Visual Arts and Art History reserves the right to select work from thesis exhibitions for its permanent collection.

Master of Fine Arts in Visual Art: Computer Art

The Master of Fine Arts in Visual Art with a concentration in Computer Art provides graduate study in computer
graphics, design and animation for artists who wish to use sophisticated computer software and hardware for artistic
expression. The M.F.A. is an advanced creative degree requiring initiative and independence on the part of the
student.
Graduate research and study focuses upon the fine art of 3D graphics and animation in a 60-credit program combination of studio work, creative workshop and seminar discussions. For students unfamiliar with 3D software,
study begins with training courses in Alias/Wavefront Maya software. Mastery of software gains students entry to
creative workshop critique and the department's extensive video, audio and computer editing suites.

Admission Requirements

1. Bachelor of Fine Arts, Bachelor of Arts or equivalent degree from an accredited college or university or, for
international students, an institution recognized in its own country as preparing students for further study at the
graduate level.
2. The minimum University admission requirements are either a "B" average or better in all work attempted while
registered as an upper-division student working for a bachelor's degree; or a graduate degree from an accredited
institution.
3. Graduate admission application submitted online to FAU's Graduate College. Application is available at www.fau.edu/graduate.
4. Official college transcript(s) submitted to FAU's Graduate College.
Applicants must submit the following to M.F.A. in Computer Arts, Department of Visual Arts and Art History, Florida
Atlantic University, 111 E. Las Olas Blvd., AT 812, Fort Lauderdale, FL 33301.
1. Three letters of recommendation.
2. Résumé.
3. Statement of intent. Candidates need to submit a two-page essay describing their creative aims and reasons for
graduate study
4. Portfolio that includes examples of applicant's electronic media, animation and/or 3D modeling work. Candidates
must include a project description sheet with their portfolios.
5. Copy of official transcript.
6. Portfolio will be returned if accompanied by a self-addressed envelope with sufficient postage.
7. Deadline for applications (online and postmarked): October 31st for spring admissions and February 21st for fall
admissions.
Completed admission portfolios must be submitted directly to the Department of Visual Arts and Art History. The
Graduate College will be notified by the department of the evaluation results and will notify candidates. Only completed portfolios and application packets will be considered.

Computer Art Requirements and Curriculum

The M.F.A. in Visual Art with a concentration in computer art is offered at the Fort Lauderdale campus. This M.F.A.

program includes the following distribution of credits:

Course Credits
Studio in Computer Arts ART 6688C 16
Creative Workshop in Computer Arts ART 6692C 16
Computer Arts Seminar in Contemporary Art ARH 6931 4
Computer Arts Seminar in General Theory ARH 6932 4
Electives (may be in the concentration) 12
Portfolio/Directed Study ART 6693C and
ART 6907C 8
Total 60
After completing 30 credits and two short animations to demonstrate artistic and technical proficiency, students are
eligible for M.F.A. candidacy. Students are then required to complete another 30 credits and two more animations.
Awarding of the Master of Fine Arts degree is based upon completion of 60 credits and acceptance of an artistic
portfolio that meets the criteria of publishable quality commensurate with professionals in the field of computer arts.
Many of the animations created by our graduate students have won international recognition from video festivals, and
their work is regularly aired on educational television.
In addition to a residential program, the department offers a distance learning M.F.A. in Computer Arts. This virtual
degree is open to accomplished artists with knowledge of 3D software and the ability to study independently. The
degree takes approximately three years to complete. At least once a semester, distance learning students participate
on campus with the residential students in creative workshop and seminar sessions, including special event seminars
and personal critical analysis of graduate student work by professional animators.
The Department of Visual Arts and Art History reserves the right to select work from thesis exhibitions for its
permanent collection.
Students from Alabama, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee,
Texas and Virginia may be eligible to attend the program at FAU at in-state tuition rates through the Academic
Common Market.

Master of Fine Arts with Major in Visual Art: Graphic Design
The Master of Fine Arts with Major in Visual Art with a concentration in graphic design engages students in an
individual pursuit to expand their knowledge of visual communication design systems with a focus on furthering
development toward a career in design education and/or professional practice. Students and faculty from diverse
cultural, educational and professional experiences come together to engage in critical discourse that challenges and
strengthens each student's understanding of communication theory, research methodology and design problemsolving
approaches. Encouraged to identify and expand their own voices as designers, students take a combination
of graduate design studios, seminars, art history courses and directed independent study projects, culminating in a
graduate thesis project, exhibition and document. Graduate students are expected to take a leadership role in the
department and in their interactions with undergraduate students.

Admission Requirements
1. Bachelor of Fine Arts, Bachelor of Arts or equivalent degree from an accredited college or university or, for
international students, an institution recognized in its own country as preparing students for further study at the
graduate level. Degrees in graphic design or visual communication design are preferred. Candidates from other

curricula will be considered based on abilities demonstrated in portfolio, statement of intent and space available. Two
years' experience in the graphic design practice is preferred.
2. The minimum University admission requirements are either a "B" average or better in all work attempted while
registered as an upper-division student working for a bachelor's degree; or a graduate degree from an accredited
institution.
3. Graduate admission application submitted online to FAU's Graduate College. Application is available at www.fau.edu/graduate.
4. Official college transcript(s) submitted to FAU's Graduate College.
Applicants must submit the following to Graphic Design, Department of Visual Arts and Art History, Florida Atlantic
University, 111 E. Las Olas Blvd., AT 314, Fort Lauderdale, FL 33301.
1. Three letters of recommendation.
2. Résumé.
3. Statement of intent. Candidates need to submit a two-page essay describing their creative aims and reasons for
graduate study.
4. Portfolio that includes 20 examples of applicant's graphic design or electronic media work. Each item should be
labeled with media, title, name, address and phone number. Portfolios should be submitted on a CD-ROM.
Candidates must include a project description sheet with their portfolios. Website examples should list the URL on
project description sheet.
5. Copy of official transcript.
6. CD will be returned if accompanied by a self-addressed envelope with sufficient postage.
7. Deadline for U.S. applicants' applications (online and postmarked): October 31 for spring admissions and February
21 for fall admissions. For international applicants, the application deadline for spring admission is September 1.
Completed admission portfolios must be submitted directly to the Department of Visual Arts and Art History. The
Graduate College will be notified by the department of the evaluation results and will notify candidates. Only
completed portfolios and application packets will be considered.

Graphic Design Requirements and Curriculum
The M.F.A. in Visual Art with a concentration in graphic design is offered at the Fort Lauderdale campus. The graphic
design program requires a total of 60 credits of study. It includes the following distribution of credits.

Area of Concentration Credits
Graphic Design 24-32
Art Electives (may be in area of concentration) 12
History and Theory of Art and Design 12
Free Electives 4
Research Project (Design Thesis and Exhibition) 8
Graduate courses in the graphic design area of concentration are 4
credits each for a total of six required courses. Complete course
descriptions are included in this catalog. The courses for the 24-32
credits in Graphic Design are as follows:

Course Credits
Design Workshop, Experimental Design Projects, Advanced Study of Graphic Design, Experimental Visual Techniques
(special topics, may be repeated)
24
Design Studio ART 6931 4
Design Seminar ART 6932 4
Design Thesis/Individual Studio Problems ART 6971C 4
Graduate Thesis Exhibition ART 6972C 4
All candidates accepted into the M.F.A. Graphic Design track will be assigned a three-member supervisory committee

from the department faculty with at least two members from the Graphic Design area of concentration the first year.

Candidates are required to select their own graduate committee upon completion of candidacy review. The committee will be composed of the candidate's major professor (thesis advisor) and two members from the department faculty. An additional member may be from outside the department.

Upon completion of 30 credits, candidates will undergo a candidacy review by their committee to determine appropriate progress in the Graphic Design track. Successful completion of this review is a prerequisite for continuing
as a candidate for the degree.

In the last semester of study, the candidate will present a thesis exhibition. The exhibition will be curated by the M.F.A.
candidate and members of the candidate's committee. The M.F.A. candidate is required to produce written documentation of research, including a detailed explanation of the thesis exhibition. Copies of thesis documentation
must be presented to the committee no less than three weeks prior to the thesis exhibition. An oral examination
focusing on the candidate's work will take place directly following the presentation of thesis exhibition. Successful
completion of this examination is required for awarding of degree.

The Department of Visual Arts and Art History reserves the right to select work from thesis exhibitions for its permanent collection.

Master of Fine Arts in Visual Art

The M.F.A. in Visual Art is designed to further the conceptual development, aesthetic presentation,

technical skill and career goals of the M.F.A. candidates. M.F.A. degrees are offered in the following

studio concentrations: Ceramics, Drawing, Painting, Photography, Printmaking and Sculpture (Boca

Raton campus), Graphic Design (Fort Lauderdale campus) and Book arts (Boca Raton and Fort

Lauderdale campuses). These concentrations are designed to incorporate courses from the range

of studio areas should the student desire this type of cross-disciplinary approach and flexibility.

Graduates of the programs will be prepared for careers as professional artists. The programs will

provide opportunities for students to develop their interests and talents at the terminal degree

level.

Master of Fine Arts in Visual Art: Ceramics, Drawing, Painting, Photography, Printmaking, Book

Arts and Sculpture

Program Requirements and Curriculum

This full-time M.F.A. program requires a minimum of 60 credits and includes the following

distribution of credits. The department admits full-time graduate students in the fall of each year.

Concentration:
Drawing, Painting, Photography,
Printmaking, Book Arts or Sculpture

Graduate Studio 20
Art History
Seminar in Contemporary Art ARH 6481 (required) 12
Professional Practices or approved equivalent course 6
Special Topics or Directed Independent Study 8
Free Electives (4 credits may be taken outside the Art Department) 6
Documentation/Thesis Exhibition (required for all M.F.A.
candidates)
Graduate Documentation ART 6956C 4
Graduate Thesis Exhibition ART 6972C 4

Concentration: *Ceramics* 24-32
Art History:
Seminar in Contemporary Art ARH 6481 (required)
History of Ceramics (required)
12
Professional Practices or approved equivalent course 4
Art Electives (may be in area of concentration) 8
Free Electives (may be taken outside the Art Department) 4
Documentation/Thesis Exhibition (required for all M.F.A.
candidates)
Graduate Documentation ART 6956C 4
Graduate Thesis Exhibition ART 6972C 4

Master of Fine Arts in Visual Art: Graphic Design

Master of Fine Arts in Visual Art: Graphic Design The Master of Fine Arts in
Visual Art with a
concentration in graphic design engages students in an individual pursuit to expand
their
knowledge of visual communication design systems with a focus on furthering
development toward
a career in design education and/or professional practice. Students and faculty from
diverse
cultural, educational and professional experiences come together to engage in critical
discourse
that challenges and strengthens each student's understanding of communication
theory, research
methodology and design problem-solving approaches. Encouraged to identify and
expand their
own voices as designers, students take a combination of graduate design studios,
seminars, art
history courses and directed independent study projects, culminating in a graduate
thesis project,
exhibition and document. Graduate students are expected to take a leadership role in
the
department and in their interactions with undergraduate students.

Graphic Design Requirements and Curriculum The M.F.A. in Visual Art with a concentration in
graphic design is offered at the Fort Lauderdale campus. The graphic design program requires a
total of 60 credits of study. It includes the following distribution of credits.
Concentration:
Graphic Design 24-32
Art History
History of Graphic Design (required)
Seminar in Contemporary Art ARH 6481 (highly recommended)
12
Art electives (may be in area of concentration) 12
Free Electives (may be taken outside the Art Department) 4
Design Thesis/Thesis Exhibition (required for all M.F.A. candidates)
Design Thesis ART 6971C 4
Graduate Thesis Exhibition ART 6972C 4
****
Item 7(c) on Senate Agenda: See PDFs below

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—MEMO

UGPC Approval _____	
UFS Approval _____	
SCNS Submittal _____	
Confirmed _____	
Banner Posted _____	
Catalog _____	

DEPARTMENT: NURSING

COLLEGE: CHRISTINE E. LYNN COLLEGE OF NURSING

COURSE PREFIX AND NUMBER: CATALOG CHANGE

CURRENT COURSE TITLE: CATALOG CHANGE

MEMO: CATALOG CHANGE/AMENDMENT

Add ANP/GNP Track: to Begin Spring 2013
See 2nd page for specifics

CURRENT CATALOG STATEMENT: NO CURRENT ANP/GNP TRACK

RATIONALE: MEETS NEW NATIONAL GUIDELINES; INCREASE ENROLLMENT IN TRACK; MORE EFFICIENT USE OF RESOURCES BY COMBINING TRACKS; INCREASE MARKETABILITY FOR GRADUATES.

Should the requested change(s) cause this course to overlap any other FAU courses, please list them here.
None

Departments and/or colleges that might be affected by the change(s) must be consulted and listed here. Please attach comments from each.
None

Faculty contact, email and complete phone number:
Beth King bking@fau.edu 561-297-3249

Approved by:	Date:	ATTACHMENT CHECKLIST
Department Chair: ___		*Syllabus (see guidelines for requirements: http://www.fau.edu/graduate/facultyandstaff/programscommittee/index.php)
College Curriculum Chair: _Beth K __ ANP/P	7/27/12	
College Dean: _____	9/27/12	
UGPC Chair: _____		*Written consent from all departments affected by changes
Graduate College Dean: _____		

FAUchange Revised August 2011

Email this form and syllabus to diamond@fau.edu one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting

Adult/Gerontological Nurse Practitioner (ANP/GNP)

Introduction to the Adult/Gerontological Nurse Practitioner Track
This concentration provides graduates with the advanced skills and knowledge to assume the role of Adult/Gerontological Nurse Practitioner with an emphasis on responding to calls from adolescents, adults and older adults. The unique features of this program are that it is inclusive of care to culturally diverse adolescents, adults and older adults.

The Adult/Gerontological Nurse Practitioner curriculum requires a total of 43 credit hours. The programs generally follow a part-time program of study. The curriculum contains a minimum of 630 hours of required clinical practice. Attainment of competencies may require more than 630 hours. Placements occur in health department clinics, private practice offices, home health agencies, community-based health centers, hospitals, long-term care institutions and other settings providing health care to adolescents, adults and older adults.

Graduates of the Adult/Gerontological Nurse Practitioner program are eligible to sit for the Certification Examination offered by the American Nurses Credentialing Center (ANCC).

Adult/Gerontological Nurse Practitioner Curriculum Plans (new track)

Course Information	Class	Credits
Graduate Core Courses (12 credits)		
Advanced Nursing Practice Grounded in Caring	NGR6110	3
Philosophical & Theoretical Foundations of Nursing	NGR6811	3
Nursing Research & Evidence Based Practice	NGR6812	3
Advanced Nursing Practice: Roles, Policy, and Finance	NGR6891	3
Direct Care Core Courses (12 credits)		
Advanced Nursing Situations: Health Assessment	NGR6002	2
Advanced Nursing Situations in Practice: Health Assessment*	NGR6002L	1
Advanced Pathophysiology	NGR6141	3
Advanced Pharmacotherapeutics	NGR6172	3
Concentration Courses (19 credits)		
Perspectives of Aging	NGR6251	3
Advanced Nursing Situations: Foundations of Primary Care	NGR6200	3
Advanced Nursing Situations in Practice: Foundations of Primary Care	NGR6200L	3
Advanced Nursing Situations: Comprehensive Primary Care	NGR6605	3
Advanced Nursing Situations in Practice: Comprehensive Primary Care**	NGR6605L	3
Advanced Nursing Situations: Care of Adolescents, Adults, and Older Adults with Complex, Specialized Health Needs	NGR6700	3
Advanced Nursing Situations in Practice: Care of Care of Adolescents, Adults and Adults with Complex, Specialized Health Needs***	NGR6700L	4

*Requires 30hrs of clinical experience in skills lab and in community.
**Requires 180hrs of clinical practical experience.
***Requires 240hrs of clinical practical experience.

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Item   7(e)   on   Senate   Agenda   See   PDFs   below

FAU | FLORIDA ATLANTIC UNIVERSITY
SCHOOL OF CRIMINOLOGY & CRIMINAL JUSTICE

Approved by:	Date:
School Director: *[signature]*	March 15, 2012
College Curriculum Chair: *[signature]*	3-15-12
College Dean: *[signature]*	3/15/12
UGPC Chair:	
Graduate College Dean:	

To: Graduate Programs Committee University

From: Dr. Khi Thai, Director, School of Criminology and Criminal Justice
Contact Person: Dr. Rachel Santos, Graduate Coordinator

RE: Proposal for Revisions to Master of Science in Criminology and Criminal Justice

Date: March 14, 2012

The School of Criminology and Criminal Justice is very excited to announce a revised Masters of Science degree in Criminology and Criminal Justice (MSCCJ) for our students. The product of this effort is a result of much collaboration, feedback, planning, and months of discussion. Our hope with this revised program is multifold. First, we hope to improve the structure and academic rigor of our master's degree to better prepare our students for the complexities of today's workforce as either criminal justice practitioners or researchers. Second, we hope to attract more students into our program from both the criminal justice profession as well as from our strong undergraduate base. Our goal is to ensure that students receive education in the most important discipline-specific concepts and become producers and consumers of research and best practices.

It is important to note that there are NO changes to the program's relationship to the overall mission/goal of the university, the total number of credits required (33), the impact to other colleges schools or departments, or to the name of the program. The revisions that have been approved by the School of Criminology and Criminal Justice Faculty in October 2011 primarily address the following:

1) Admission requirements;
2) Core requirements;
3) Elective requirements;
4) Exit requirements, and
5) Specializations certifications.

Those places where a specific form is required have been marked with an asterisk (*) and accompany this document. In memos, have been provided that account for the language changes in the university catalog. The following pages contain a summary of the program revisions by contrasting the components of the old program to those that are new. Note components that have not been changed are not presented in this document.

1

Admission Requirements

Current
- BA from an accredited institution
- 3.0 GPA in last 60 credits
- 1000 on GRE
- Letter of intent

Proposed Changes
- BA from an accredited institution
- 3.0 GPA in last 60 credits
- B or better in undergraduate research methods and theory courses (any major)
- An example of written work
- A current resume
- A letter of intent

Note: The GRE requirement for admission has been removed, but it could still be submitted by any student for consideration if the student was deficient in other categories. We have removed the GRE requirement because we have determined that it is not predictive of success in our program. The new admissions requirements that we have developed we consider more effective tools to evaluate and ensure a student's future success in our program. Also, other Criminal Justice Masters programs in Florida do not require the GRE for admission (e.g., Florida International University, Central Florida University, University of South Florida, and Nova Southeastern) and other Schools within the College of Design and Social Inquiry have eliminated the GRE as a requirement (e.g., Social Work, Public Administration, Non-Profit Management).

Core Course Requirements

Current (12 credits)
- CCJ 6056 Criminology
- CCJ 6704 Research Methods
- CCJ 6902 Foundations Readings in the Criminal Justice Process
- PAD 6701 Applied Methods I OR STA 6113 Educational Statistics

Proposed Changes (9 credits)
- Remove requiring either PAD 6701 Applied Methods I OR STA 6113 Educational Statistics
- The removal of three credits from the core will be made up in the "exit requirements" discussed at the end of this memo.

Proposed Name Changes to Core Courses[†]
- CCJ 6056 Understanding Criminal Behavior
- CCJ 6704 Research Methods and Data Analysis
- CCJ 6902 Criminal Justice Research and Policy Foundations

[†]Course name changes have been tabled until August 2012 but are listed here to show how they will be changed to be more representative of the program's content and more appealing to students. The content of each of these courses will remain the same.

2

Elective Course Requirements

Current
- *Non-thesis option:* 21 unrestricted elective credits, up to 9 of which may be taken outside CCJ with coordinator approval
- *Thesis option:* 15 unrestricted elective credits, up to 9 of which may be taken outside CCJ with coordinator approval

Proposed Changes (Both Thesis and Non-Thesis Options)
- Restricted Electives (6 credits, choose two of the following five courses):

  1. CJE 6426 Police Research, Policy, and Practice*
  2. CJC 6021 Corrections
  3. CJJ 6016 Juvenile Justice
  4. CCJ 6475 Organizational Culture in Criminal Justice Agencies
  5. CCJ 6669 Gender, Race, and Class in Criminal Justice*

- Unrestricted Electives (12 credits, any of the following courses, also include courses listed as restricted elective but not taken to satisfy that requirement):

  o CCJ 6142 Restorative Community Justice
  o CCJ 6456 Leadership and Future Issues in Criminal Justice Agencies
  o CCJ 6458 Management Implications of Justice Policy
  o CCJ 6485 Public Policy Models
  o CCJ 6675 Victims and the Justice Process
  o CCJ 6905 Directed Independent Study
  o CCJ 6934 Special Topics
  o Students will still be able to take up to 9 credits from outside CCJ with approval from the coordinator and will fall under this category.

Major changes to the CJE 6426 have been made, thus a change form and new syllabus have been provided for approval. CCJ 6669 is a new course, thus the appropriate forms have been provided as well.

Proposed Name Changes to Electives†
- CJC 6021 Corrections Research, Policy, and Practice
- CJJ 6016 Juvenile Justice Research, Policy, and Practice
- CCJ 6142 Restorative Justice Research, Policy, and Practice
- CCJ 6456 Leadership in Criminal Justice Agencies
- CCJ 6485 Applying Criminal Justice Theory, Policy, and Research

†Course name changes have been tabled until August 2012 but are listed here to show how they will be changed to be more representative of program's content and more appealing to students. The content of these courses will remain the same. The names have also been changed to distinguish them from similarly named courses at the undergraduate level.

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The following electives will be deleted from the current curriculum:

- CCJ 6196 Conflict Management & Dispute Resolution*
- CCJ 6489 Issues in Community Justice*
- CCJ 6709 Qualitative Research Methods in Criminal Justice*
- CCJ 6931 Seminar in Justice Policy Reform*

The appropriate forms have been provided for approval.

Exit Requirements

Current
- *Non-thesis option:* 33 credits and a comprehensive exam
- *Thesis option:* 27 credits and 6 credits for thesis

Proposed Changes
- *Non-thesis option:* 27 credits, one unrestricted elective (3 credits), and CCJ 6485 Public Police Models (3 credits)

Note: CCJ 6485 will be mandatory for every non-thesis student. This course will serve as a capstone course as it requires the student to apply his/her knowledge in a policy related project. This is not a new course, but is taught in the program. The name has been changed to better reflect the new role this course will play. Now that thesis students can take this course as an unrestricted elective if they like. Even though there are changes to the core requirements and electives for thesis students, the thesis option itself as an exit requirement has not changed.

Specializations and Certifications

Current
- *Specialization:* Criminology and Criminal Justice: Offered to those obtaining degrees in a different discipline. To receive a specialization in CCJ they would take the 12 core credits and 3 unrestricted MSCCJ elective credits for 15 total.
- *Specialization:* Restorative Community Justice
- *Certifications:* Restorative Community Justice

Proposed Changes
- *Specializations:* Change Criminology and Criminal Justice to 9 core credits; 6 unrestricted MSCCJ elective credits for 15 total: Eliminate Restorative Community Justice
- *Certifications:* Eliminate Restorative Community Justice

Note: The specialization in Criminology and Criminal Justice has been changed according to the new core requirements (i.e., reduce the number of course credits from 12 to 9 and add an additional CCJ elective). The Restorative Justice specialization and certification have been eliminated because many of the courses required for the specialization and certification in Restorative Community Justice have been eliminated from the curriculum and will no longer be taught.

4

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Item 7(f) on Senate Agenda See PDFs below

To: Members of the graduate program committee

From: Charles E. Schmidt College of Medicine

Re: course change requests and new course proposals

As the result of comments and suggestions made during our preparation for our upcoming accreditation site visit by the Liaison Committee on Medical Education and from our continuous program evaluation, we are submitting a number of minor modifications to the courses which your group previously approved.

We have developed a chart which shows the name of the course, the proposed change, and the reason for the change.

With respect to the new course request, we would like to note that we are trying to address one of the biggest problems in medical school curriculum, the transition from primarily basic science courses in the second year to the clinical clerkships in year three.

Summary of MD Curriculum Changes for GPC

Course Name	Requested Change	Reason for Change
BMS 6031 Fundamentals of Biomedical Science 1	Change of credit hours from 8 to 7	To balance the amount of material and time within the FBS courses
BMS 6032 Fundamentals of Biomedical Science 2	Change of credit hours from 6 to 7	To balance the amount of material and time within the FBS courses
BMS 6033 Fundamentals of Biomedical Science 3	Change of credit hours from 6 to 7	To balance the amount of material and time within the FBS courses
BMS 6015 Fundamentals of Medicine 1	• Change of course name to Foundations of Medicine 1 • Change in credit hours from 10 to 12	• To better reflect the course content and to eliminate confusion with Fundamentals of Biomedical Science courses • To more accurately reflect the amount of time spent by students in their clinical experiences
BMS 6016 Fundamentals of Medicine 2	Change of course name to Foundations of Medicine 2	To better reflect the course content and to eliminate confusion with Fundamentals of Biomedical Science courses
BMS 6017 Fundamentals of Medicine 3	Change of course name to Foundations of Medicine 3	To better reflect the course content and to eliminate confusion with Fundamentals of Biomedical Science courses
BMS 6634 Gastrointestinal, Hepatology and Nutrition	Change of course name to Pathophysiology and Therapeutics 1	To combine the system based courses into a course series, more like the structure of other components of the curriculum
BMS 6633 The Cardiovascular System BMS 6642 Respiratory System	• Combine courses into one course • Change of course name to Pathophysiology and Therapeutics 2	To combine the system based courses into a course series, more like the structure of other components of the curriculum
BMS 6632 Endocrinology and Reproduction BMS 6638 Renal System	• Combine courses into one course • Change of course name to Pathophysiology and Therapeutics 3	To combine the system based courses into a course series, more like the structure of other components of the curriculum
BMS 6305 Infection and Inflammation	Change of course name to Pathophysiology and Therapeutics 4	To combine the system based courses into a course series, more like the structure of other components of the curriculum
BMS 6631 Hematology and Oncology	Remove course from curriculum	The components of this course are integrated into other courses in the Pathophysiology and Therapeutics course series
Synthesis and Transition	New course at end of second year of curriculum	Course created to better facilitate the students' transition to their clinical clerkships in the third year of the curriculum

MD Curriculum before Proposed Changes

Year 1

Fundamentals of Medicine 1 10 credit hours			Fundamentals of Medicine 2 13 credit hours	
Fundamentals of Biomedical Science 1 8 credit hours	Fundamentals of Biomedical Science 2 6 credit hours	Fundamentals of Biomedical Science 3 6 credit hours	Neuroscience and Behavior 10 credit hours	GHN 7 credit hours

Year 2

Fundamentals of Medicine 3 21 credit hours					
CV System 8 credit hours	Respiratory 5 credit hours	Renal 5 credit hours	Endocrinology & Reproduction 5 credit hours	Inflammation & Infection 7 credit hours	Hematology and Oncology 4 credit hours

MD Curriculum after Proposed Changes

Year 1

Foundation of Medicine 1 12 credit hours			Foundation of Medicine 2 13 credit hours	
Fundamentals of Biomedical Science 1 7 credit hours	Fundamentals of Biomedical Science 2 7 credit hours	Fundamentals of Biomedical Science 3 7 credit hours	Neuroscience and Behavior 10 credit hours	Pathophysiology and Therapeutics 1 7 credit hours

Year 2

Foundations of Medicine 3 21 credit hours			
Pathophysiology and Therapeutics 2 13 credit hours	Pathophysiology and Therapeutics 3 10 credit hours	Pathophysiology and Therapeutics 4 7 credit hours	Synthesis and Transition 4 credit hours

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Item 7(g) on Senate Agenda **See PDFs below**

COLLEGE OF ENGINEERING & COMPUTER SCIENCE
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29th February 2012

Subject: Catalog Revisions for Mechanical Engineering Graduate Program

To: Dr. William Rhodes, Chair College Graduate Committee

From: Stewart Glegg, Chair OME Graduate Committee

On 2/28/12 the OME department faculty voted unanimously to revise the Mechanical Engineering Graduate program to include three core courses. This has required adding the core courses to each of the program option requirements given in the University catalog. In addition we have added detail by specifying the Mathematics courses that will be taken by the Masters Level students and re iterated the University requirements for number of courses required at the 6000 level and in the major area of study. We have also updated our requirements for the GRE, and deleted the ME Weekend program as requested by the Deans office. Finally we have added the requirement that the students pursuing the thesis option must submit a thesis proposal in their third semester of full time study (approved by the OME faculty on 1/31/12). I am forwarding this request to the College graduate committee for their consideration.

Combined Programs

B.S.M.E. to M.S. Degree Program (Thesis Option)

Candidates seeking a combined program leading to both Bachelor of Science in Mechanical Engineering and Master of Science degrees with the thesis option must complete an approved program of at least 30 credits. Out of these 30, 9 credits will count toward both the bachelor's and master's degrees.

Prerequisite Coursework for Transfer Students
~~Students transferring to Florida Atlantic University must complete both lower division requirements (including the requirements of the Intellectual Foundations Program) and requirements for the college and major.~~ ~~Lower division requirements may be completed through the A.A. degree from any Florida public college or university or community college~~ ~~through~~ ~~individual~~ ~~courses~~ ~~taken~~ ~~at~~ ~~other~~ ~~regionally~~ ~~accredited~~ institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the Transfer Student Manual (see www.fau.edu/transfer/manual).

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus/course assessment.

Degree Requirements
Candidates must complete the following:

1. Three core courses (9 credits):
   EGM 6366 Advanced Strength of Materials
   EML 5715 Fluid Dynamics 1
   EML 5223 Mechanical Vibration or EML 4930 Control

2. A Math sequence (6 credits) either MAP 4305 Engineering Mathematics 2 or EOC 6172 Ocean Engineering Anal...
   1. Four courses (12 credits) at the 5000 or 6000 level from the list of Mechanical Engineering courses above ~~+~~ ~~the Engineering and Computer Science~~ ~~Course Descriptions~~ section.

2. Four courses of 4000 level. (6 credits) or as a student, approved by adviser;

5. Four technical electives (12 credits). Two courses may be at the 4000 level or higher.

1. one or more additional 5000 or 6000 level. Up to three courses may be taken while the student is an undergraduate course may be taken while the student is an undergraduate;

4. Before the end of the student's third semester of full time enrollment a written thesis proposal must be submitted to the supervisory committee and defended in an oral examination.

3. A master's thesis (6 credits) which must be defended at an oral examination.

6. At least one-half of the credits must be at the 6000-level or above.

7. At least one-half of the credits must come from the list of Mechanical Engineering courses shown in the Engineering and Computer Science Course Descriptions section.

[Top]

B.S.M.E. to M.S. Degree Program (Non-Thesis Option)

Candidates seeking a combined program leading to both Bachelor of Science in Mechanical Engineering and Master of Science degrees with the non-thesis option must complete an approved program of at least 33 credits. Out of these 33, 9 credits will count toward both the bachelor's and master's degrees.

Prerequisite Coursework for Transfer Students
Students transferring to Florida Atlantic University must complete both lower-division requirements (including the requirements of the Intellectual Foundations Program) and requirements for the pre-engineering major. Lower-division requirements may be completed through the A.A. degree from a Florida public college or university or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the 13 critical courses for their major as outlined in the Transfer Student Manual (see www.fau.edu/registrar/transfer).

All courses appearing in the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require review by our department and a copy of the syllabus for assessment.

Degree Requirements
Candidates must complete the following:

1. Three core courses (9 credits):
   EGM 6533 Advanced Strength of Materials
   EML 6715 Fluid Dynamics 1
   EML 5223 Mechanical Vibration or EVI 6930 Control

2. A Math course (3 credits) either MAP 4506 Engineering Mathematics 2 or EOC 5172 Ocean Engineering Math 1
   Five courses (15 credits) at the 6000 or 8000 level from the list of Mechanical Engineering courses shown in the Engineering and Computer Science Course Descriptions section.

2. Math course of 6000-level (3 credits) or equivalent, approved by advisor.

3. Seven/Five technical electives (21/15 credits). Two courses may be at the 4000 level.

4. Up to three courses may be lower while the student is an undergraduate or higher and one additional 6000 or 8000 level course may be taken while the student is an undergraduate.

5a. 5. At the time of application for degree, students must submit a portfolio to their advisor consisting of four graduate projects from the courses in their program of study. The portfolio will be reviewed by the student's supervisory committee.

6. At least one half of the credits must be at the 6000 level or above.

7. At least one half of the credits must be from the list of Mechanical Engineering courses shown in the Engineering and Computer Science Course Descriptions section.

B.S.M.E. to M.S. Degree Program (Non-Thesis Option/Minor in Business)

Candidates seeking a combined program leading to both Bachelor of Science in Mechanical Engineering and Master of Science degrees with the non-thesis option and with a Minor in Business must complete an approved program of at least 36 credits. Out of these 36, 6 credits will count toward both the bachelor's and master's degrees.

Prerequisite Coursework for Transfer Students
Students transferring to Florida Atlantic University must complete both lower-division requirements (including the requirements of the Intellectual Foundations Program) and requirements for the

college and major. Lower-division requirements may be completed through the A.A. degree from any Florida public college, university or community college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the *Transfer Student Manual* (see www.fau.edu/transfer/transfer).

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

Degree Requirements
Candidates must complete the following:

1. Three core courses (9 credits):
   EGM 5533 Advanced Strength of Materials
   EML 6719 Fluid Dynamics 1
   EML 6520 Mechanical Vibration or EML 6950 Control

2. A Math course (3 credits), either MAP 4503 Engineering Mathematics 2 or EGG 5122 Green Engineering Math 1

3. Three restricted elective courses (9 credits) at the 5000 or 6000 level from the list of Mechanical Engineering courses shown in the Engineering and Computer Science Course Description section.

4. No credit for lower courses may be taken while the student is an undergraduate;

5a. Live business success (1.5 credits) as described at the beginning of this College of Engineering and Computer Science section.

5b. At the time of application for degree, students must submit a portfolio to the doctoral committee of their graduate projects from 12 courses in their program of study. The portfolio will be reviewed by the student's supervisory committee.

7. At least one-half of the credits must be at the 6000 level or above.

8. At least one-half of the credits must be from the list of Mechanical Engineering courses shown in the Engineering and Computer Science Course Description section.

[Top]

Master's Programs

The Master of Science program has both thesis and non-thesis options. The thesis option requires a minimum of 24 credits of coursework and a thesis (3 accepted credits). The non-thesis option requires a minimum of 30 credits of coursework. Requirements for the Ph.D. program are described later in this section.

Each student must complete a comprehensive and coordinated Plan of Study, focusing deeply in one or more of the following areas: mechanical systems, solid body mechanics, fluid mechanics, heat transfer, thermo-fluid systems, dissipative dynamics, materials, manufacturing, controls, robotics and CAD/CAM.

Admission Requirements
Usual admission requirements are as follows. Students with non-engineering bachelor's degrees should check for additional requirements.

1. A baccalaureate degree in Engineering, Natural Science or Mathematics, preferably in Mechanical Engineering and from a regionally accredited institution. A student who does not have a background in mechanical engineering should expect to take additional undergraduate mechanical engineering coursework.

2. Demonstrated proficiency in both written and spoken English. A student from a non-English-speaking country is required to take the Test of English as a Foreign Language (TOEFL) exam and achieve a score of at least 550 (CBT-213, iBT-79).

3. At least a 3.0 (of a 4.0 maximum) GPA in the last 60 credit-hours attempted prior to graduation.

4. A score of 141 or higher on the verbal and 150 or higher on the quantitative portions of the Graduate Record Examination (GRE) or a combined score of 1000 or higher on the verbal and quantitative portions of the Graduate Record Examination (GRE) taken prior to Fall 2011. GRE scores more than five years old will not be accepted.

5. Petitions for admittance to the program will not be accepted when a student wishes to include more than five courses taken as a non-degree-seeking student.

Admission to Candidacy
A student is eligible to apply for candidacy when:

1. The student has completed a minimum of 9 credits as a graduate student.

2. The student has maintained a minimum GPA of 3.0 in all courses attempted as a graduate student.

3. The student has filed an approved Plan of Study for the degree program.

Students should file for candidacy as soon as they are eligible. Usually, no more than 20 credits of completed work before admission to candidacy will be assigned toward a degree program. A student should be admitted to candidacy prior to beginning work on thesis.

Degree Requirements
Students must satisfy all of the University graduate requirements.

Link to Master of Science with Major in Mechanical Engineering
No-thesis Option and Non-thesis Option with a Minor in Business

Link to Master of Science with Major in Mechanical Engineering and Minor in Engineering Management

Link to Master of Science with Major in Mechanical Engineering and Minor in Engineering Management—Weekend Program

[Top]

Master of Science with Major in Mechanical Engineering (Thesis Option)

Candidates for the Master of Science degree with the thesis option must complete an approved program of at least 30 credits including:

1. Three core courses (9 credits):
   EGM 6803 Advanced Strength of Materials
   EML 6714 Fluid Dynamics 1
   EML 6223 Mechanical Vibrations or EML 6050 Control

2. A Math course to preplist either MAP 4305 Engineering Mathematics 1 or EGG 5120 Grad. Engineering Math 1

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FLORIDA
ATLANTIC
UNIVERSITY

29th February 2012

Subject: Catalog Revisions for Mechanical Engineering Graduate Program

To: Dr. William Rhodes, Chair College Graduate Committee

From: Stewart Glegg, Chair OME Graduate Committee

On 2/28/12 the OME department faculty voted unanimously to revise the Mechanical Engineering Graduate program to include three core courses. This has required adding the core courses to each of the program option requirements given in the University catalog. In addition we have added detail by specifying the Mathematics courses that will be taken by the Masters Level students and re iterated the University requirements for number of courses required at the 6000 level and in the major area of study. We have also updated our requirements for the GRE, and deleted the ME Weekend program as requested by the Deans office. Finally we have added the requirement that the students pursuing the thesis option must submit a thesis proposal in their third semester of full time study (approved by the OME faculty on 1/31/12). I am forwarding this request to the College graduate committee for their consideration.

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Proposal for joint BS in Engineering and Computer Science and MS Degree Program In Bioengineering

(Approved by the College of Engineering and Computer Science Graduate Studies Committee at its 2/29/2012 meeting)

Introduction

Joint BS and MS programs in all Engineering and Computer Science disciplines already exist. It is proposed that similar option is granted to Bioengineering students as well.

Purpose

The proposal is for a joint BS degree program in any of the Engineering and Computer Science programs and MS in Bioengineering. The joint program is expected to take an approximate duration of five years. The basic idea is to allow 9 credits of graduate course work count in BS as well as in MS degree. This essentially takes away one semester of course work and offers an attractive option for enthusiastic students planning for their graduate education. This program is expected to help retain our brightest undergraduate students for continuing their MS degree. This may also persuade them to go for their doctoral education.

Eligibility requirements and process

- Students with a cumulative GPA of 3.25 or better at the end of their junior year are eligible to participate in this program.
- Students must retain a cumulative GPA of 3.25 by the time of graduation.
- Students participating in this joint degree program may opt for thesis or non-thesis option in their MS degree
- Students planning for thesis MS, need a letter of recommendation from their potential thesis advisor

Process

- At the end of every semester, a list of students eligible to participate in the joint BS/MS degree program will be generated based on their cumulative GPA of 3.25 or better at the end of their junior year
- These eligible students will be invited to apply for the joint BS/MS degree program
- The students who accept the invitation will be asked to formally apply for graduate admission at the beginning of their senior year.
- The admission to the joint BS/MS degree program must be completed at least one semester prior to the start of the MS degree program

- Eligible students, with the approval of their academic advisors, may begin taking graduate courses in their senior year that would apply to both their BS and MS degrees. This should be done in consultation with both the student's undergraduate advisor as well as the faculty advisor for the Bioengineering MS program. A maximum of 9 credits can be applied to both BS and MS degrees.
- A maximum of 6 credits of 4000-level elective courses from the College of Engineering and Computer Science can be counted for both the BS and MS programs.
- Students in the joint BS/MS degree program must maintain enrollment in order to remain in the joint BS/MS degree program.
- Students who are successful in completing their MS degree within one year after their BS degree, will be presented a certificate of recognition

Degree requirements

Students participating in this program must meet all the degree requirements including core courses, pre-requisites etc. The only exception in this program is counting 9 credits in both BS and MS degrees similar to other joint BS to MS programs in Engineering and Computer Science.

Benefits to the College

The proposed joint BS/MS degree program will help retain our brightest undergraduate students as graduate students. The program will certainly help counter the declining graduate enrollment. The program is also expected to help increase enrollment in our graduate courses and graduate degree production.

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MEMORANDUM

TO: University Graduate Program Committee

FROM: Ali Zilouchian, Associate Dean for Academic Affairs

SUBJECT: Proposal for joint BS/MS in Bio-Engineering Program

DATE: March 15, 2012

Attached please find the proposal pertaining to joint BS in Engineering and Computer Science and MS in Bioengineering. The document was unanimously approved by the College Undergraduate Committee on February 29, 2012. The proposal has the full support of the College administration.

Due to the restructuring of the COECS in Summer 2009, the Bioengineering Program became administratively part of the CEECS Department (with Dr. Furht assuming leadership of the program and Dr. Roth, as part of his duties as Associate Chair of the CEECS department, continuing as Faculty Advisor and as a one man Admissions Committee) .

Starting in Fall 2009 the CEECS department used its own limited resources to hire the first adjunct faculty for the Bioengineering Program (Mirjana Pavlovic, MD/PhD). The investment has so far paid off handsomely as Dr. Pavlovic's contributions to the program, courses and research wise, have become indispensable.

In Fall 2010 the CEECS department moved to its new place in the Engineering East building, and one of the CEECS department 11 research labs became a Bioengineering research lab. It is essentially a computer lab. The program still has no "wet labs".

Between Fall 2008 and Fall 2011, there were 34 applications to the MS program of which 23 students have been admitted, 9 of whom have graduated by Fall 2011 (four with a thesis option).

As of Spring 2012, there are 13 active students in the program, 4 of whom are expected to graduate in Spring 2012. The certificate program continues to exist on paper but only a handful of inquiries have come in recent years.

II.   Faculty and Staff Associated with the Bioengineering Program

There are no faculty or staff members who "belong" to the Bioengineering Program, neither on a full-time basis nor as joint appointment with another program.

All bioengineering courses are presently taught by COECS regular faculty (primarily from the CEECS and OME departments: Drs. Neelakanta, Roth, Erdol, Rhodes, Khoshgoftaar, Zhu, Zhuang, Masory and Su) and by one adjunct faculty (Dr. Mirjana Pavlovic).

One CEECS faculty (Dr. Zvi Roth) provides student advising and students applications and admission services. Maintenance of students files and logistic services to Bioengineering students are provided by the CEECS Graduate Programs Coordinator (Ms. Jean Mangiaracina).

Dr. Roth also coordinates all curricular matters in consultation with the CEECS Bioengineering Committee, with ad-hoc COECS college-wide Bioengineering group of faculty, and by occasional contacts with faculty in the College of Science (most notably Drs. Narayanan and Binninger).

III.   Bioengineering Program Academics – An Overview

Bioengineering stands at the intersection of the revolution taking place in advanced medical treatments as a result of applying the principles and practice of the engineering and computer science disciplines to the biological, biomedical and medical sciences. Bioengineering is a broad and emerging field that impacts drug delivery, surgery, diagnosis, prevention and treatment. Students successfully completing the Master of Science in Bioengineering degree program are expected to be prepared for professional careers in businesses related to medical diagnostics, prosthetic devices and neural and other implants; the pharmaceutical and biotechnology industries; and consulting in health-related fields, as well as other positions in industry, commerce, education and government. Students are also expected to be prepared to continue their formal education at the Ph.D. level in a variety of science and engineering disciplines and at the MD level in certain cases.

Admission requirements to the Bioengineering MS program (undergraduate GPA, GRE scores, TOEFL scores etc) are identical to those of any of the other COECS MS program. The big difference lies in the

wide spectrum of undergraduate disciplines of students who so far have been admitted to the program. Students may come from a Life Science background (with typical math education extending to Calculus 2 and with no computer programming background) or from engineering background (with typically only one course in chemistry, and no biology courses at all).

Several undergraduate courses were designated as deficiency courses. All engineering students must take PCB 3063 Genetics during their MS studies. A special agreement between the COECS and the College of Science allows bioengineering students to register to PCB 3063 skipping the Organic Chemistry and Biochemistry prerequisite courses. Incoming Life Science students are encouraged to take one of the COECS programming courses as a deficiency if they find the program core courses to be too hard on the programming side.

A set of core courses was created (12 credits altogether) designed to bring all incoming students to a reasonable "common denominator". The core courses consist of BME 5000 Introduction to Bioengineering, BME 5742 Bio-Systems Modeling and Control, EEL 6762 Bioinformatics: Bioengineering Perspectives and PCB 6935 Biotechnology Lab. Each of these courses is offered at least once a year.

In addition, a menu of courses which includes relevant engineering and science electives is updated every semester and is a tool to facilitate students' advising.

All non-thesis students are encouraged to take 3 credits of a DIS course in which they do a one-semester mini-research project under the guidance of one of the faculty associated with the Bioengineering Program.

IV.   Bioengineering MS Program Enrollment and Graduation Data

The following table summarizes student enrollment and graduation figures from Fall 2008:

Semester	Enrolled	Graduated	Thesis / Non-Thesis
Fall 2008	3		
Spring 2009	4		
Summer 2009	4		—
Fall 2009	7	1	Non-Thesis
Spring 2010	6		
Summer 2010	8	1	Thesis
Fall 2010	14	2	Non-Thesis
Spring 2011	14		
Summer 2011	15	2	1 Thesis; 1 Non-Thesis
Fall 2011	16	3	2 Thesis; 1 Non-Thesis
Spring 2012	13	4 (expected)	1 Thesis; 3 Non-Thesis

Summer 2012	11	1 (expected)	Non-Thesis
Totals		14	5 Thesis; 9 Non-Thesis

A partial post-graduation accounting of the 9 students who have graduated by Fall 2011: 2 went to medical schools, 2 went to PhD programs outside FAU, 2 went to PhD programs in FAU, 1 was hired by industry (and we are still trying to find out more about that company), 1 stayed at his employment place (Navy) and one of the students who graduated in Fall 2011 is probably still undecided what to do next. The following table summarizes the background disciplines of the students enrolled in the FAU Bioengineering Program revealing a surprising fact that the majority of students (around 60%) are coming to the Bioengineering Program from a Life Science background.

Semester	Biology	Chemistry	Other Science	Electrical Eng	Mechanical Eng	Computer Eng / Sc	Biomed	Other Eng
F 2008			1		1			1
Sp 2009	1		1		1			1
Su 2009	1		1		1			1
F 2009	4		1		1			1 graduating
Sp 2010	4		1		1			
Su 2010	4	1	1	1	1 graduating			
F 2010	8 (1 gradua)	1	1 graduating	3		1		
Sp 2011	8	1		3		1	1	
Su 2011	8 (1 gradu.)	1 graduating		4		1	1	
F 2011	8 (1 gradu.)	1		4 (1 gradua.)		1 graduating	1	
Sp 2012	7 (3 gradu)	1		3 (1 gradua.)	(not enrolled)		2	

V.   Enrollment Data of the Bioengineering Program Courses

In this report we look only at engineering and computer science courses which are part of the MS in bioengineering degree program. No analysis has been done about the science courses which are acceptable for the bioengineering program.

The two tables below look at enrollment trends in four courses having a course number that starts with BME, three of which are core courses in the Bioengineering Program. We look at enrollment figures from the date of inception (which in all cases happened when the certificate program was introduced). All the courses were designed to be appealing as general electives for students who may not necessarily be in the Bioengineering Program.

Bioengineering courses Fall 2003 – Summer 2008 (Certificate Program)

Course	F03	S04	R04	F04	S05	R05	F05	S06	R06	F06	S07	R07	F07	S08
BME 5000 Intro to BE (Morgan)	27			8			6				12			
BME 5742 Biosystems (Bart)		13			8				9		6			
BME 6772 Bioinformatics (Neelakanta)			26				6					7		8
BME 6572 Nanotechnology (So)	35			24		16								27

Bioengineering courses Fall 2008 – Spring 2012 (MS Program)

Course	F08	S09	R09	F09	S10	R10	F10	S11	R11	F11	S11
BME 5000 Intro to BE (Pestana)					12			24			22
BME 5742 Biosystems (Roth)	6						12			22	
BME 6762 Bioinformatics (Neelakanta)				13			18			11	
BME 6572 Nanotechnology (So)							34			38	

Comments:

1) There was a period during the years 2007-2009 that the BME 5000 Intro to Bioengineering course was offered only as a directed independent study option, due to Dr. Morgera's busy schedule. The course has been totally overhauled by Dr. Pavlovic, after Dr. Morgera left FAU. It is now taught every Spring semester and it shows healthy steady enrollment figures. It is a popular general graduate elective as well as general undergraduate senior elective.

2) The BME 5742 Biosystems Modeling and Control course had periods of irregular offerings correlating with Dr. Roth's 50% administrative duties as Director of the Florida-Israel Institute (that lasted from Fall 2005 till Fall 2008). In the last two years the course has been offered every Fall semester.

3) The course BME 6762 Bioinformatics: Bioengineering Perspectives has in recent years been offered regularly every Fall semester.

4) The BME 6572 Nanotechnology course is offered every Fall semester. Enrollment figures became good when the course began to be dually offered at the graduate and undergraduate levels.

5) No Bioengineering courses were offered in Summer 2008.

The following two tables summarize enrollment in elective courses offered in both the certificate and MS degree programs. Each row often accounts for more than course on the subject.

Bioengineering elective courses Fall 2003 – Spring 2008 (Certificate Program)

Course	F03	S04	R04	F04	S05	R05	F05	S05	R06	F06	S07	R07	S07	S08
Computer Vision and Image Processing (Zhang, Marques)	6	30								14				9
Neural Networks (Pandya, Mahgoub, Setokratti)	20+13		10		15	9				14	18		15	
Database Systems	52	33		24			21			31	23		32	31

Medical Imaging (Rhodes)		10		9		13	
Biomechanics (Su)							
Biofluids (S?)							
Tissue Engineering (Pavlovic)				15		11	
Biomedical Control (Pajmen)		12					

Comments:

1) The CEECS department offers several courses on Database Systems and on Data Mining and Machine Learning. These courses have healthy enrollment relying the regular Computer Science or Engineering students. These courses serve as good elective options for Bioengineering students who are interested in the field of Bioinformatics. Some of the Data Mining courses even aimed specifically at Bioinformatics (Fall 2007, Fall 2010).

2) The robotics and image processing courses are important electives for students who are interested in aspects of neuroscience or drug discovery and biotechnology. A robotics course is offered at least once every two years, and likewise for the image processing courses.

3) The Tissue Engineering course was developed by Dr. Pavlovic as a direct follow-up course to Intro to Bioengineering. It is offered every Fall semester.

4) The Biosignal Processing course was specially developed by Dr. Erdol for the Bioengineering program. So far it was taught only once.

5) The Medical Imaging course was specially developed by Dr. Rhodes for the Bioengineering program. It is offered at least once every two years.

VI. Potential Opportunities

1) Many inquiries have been received in the last year by undergraduate top students interested in pursuing a Joint BS in an engineering or science field and MS in Bioengineering. A recent COECS Graduate Committee resolution involving the adding of Bioengineering to other COECS BS to MS programs is not yet approved by the University Graduate Studies Committee. Once approved, there is a potential for an enrollment increase.

2) The COECS Bioengineering Group has recently created a task force charged with revising the Bioengineering Program curriculum to make it more attractive to Mechanical, Ocean and Civil Engineering students. Such a college wide collaboration hold a key for further enrollment increases.

3) An on-going faculty search in the area of Assistive Technologies (currently a priority research area for FAU) has several Bioengineering researchers in the group of finalists. If one such faculty is hired it will be a big boost for the Bioengineering Program, curriculum wise and research wise.

4) Theoretically speaking, no Bioengineering program anywhere in the nation is better placed than the FAU Bioengineering program. However, in order to take full benefit of the huge resource presented by the presence of Scripps Florida, Max Planck Florida Institute, VGTI, Torrey Pines in our area, would require a full time Bioengineering Program Director.

5) The FAU MD/PhD program holds a key for a development of a future PhD program in Bioengineering. It is estimated that 10% of the MD/PhD students may become interested in pursuing their PhD in an engineering field.

6) The large FAU Pre-Med program hold a promise for a successful future BS program in Bioengineering. Among all COECS engineering programs Bioengineering will be the only realistic pre-med option for engineering students. It is estimated that 10% of the university pre-med students may opt for a BS degree in Bioengineering.

7) One of the elements of the so called "Jupiter Initiative", which is still on the drawing board, was a plan to center the Bioengineering Program on the FAU Jupiter campus. The proximity to Scripps and MPFI and the potential for finally creating research "wet" labs for the program are irresistibly attractive.

8) There was a discussion not too long ago to create a joint COECS-College of Science Weekend MS Program (modeled after the successful Computer Science MS program) building upon the Bioengineering and the Biotechnology programs. Such a weekend program can become an important income source for both programs.

9) The lack of Bioengineering "wet" labs really holds back many of the Bioengineering Program research initiatives. It is ironical that so much money has recently been spent by the COECS on renovation of the Engineering West building and specifically for creating architectural drawing for a conversion of the lab in Engineering West Room 262 to a new and modern

Biology for Engineers / Bioengineering / Environmental Studies lab. Plans for such lab were very detailed and comprehensive in terms of the needed equipment (due to the efforts of Drs. Dan Meeroff and Mirjana Pavlovic). It is sad to see this effort dissipating into nothing. The recent designation of Science and Engineering Room 150 as a hub for Assistive Technologies Research and Education may create a hope that a Bioengineering research lab becomes part of this suite of future labs.

VII. Potential Threats

1) The Bioengineering Program has been very "thin" in terms of its man power. It is very sensitive to availability (or lack of availability) of its participating faculty.
If, for example, for any reason, it becomes impossible to continue hiring Dr. Pavlovic, the impact on the program curriculum will be devastating.
As another example, it is yet for the COECS to feel the impact of Dr. Roth's 2012-2013 sabbatical leave on the administrative running of the program and on the instruction of one of the program's core courses.
2) As said earlier, the Bioengineering Program is ideally positioned geographically and strategically. The potential for strong research collaboration with our allies on the north is large but the opportunity has to seized fast. Not cashing on it may result in a irreversible program's loss of credibility.

VIII. Summary

Even at times of budget cuts an investment sometimes may be the best course of action.
There is no doubt that the COECS views the Bioengineering Program as one of its best near future growth areas, and as a future independent engineering department.
The program needs full time faculty, full time director, wet lab space and equipment.

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Item 4:

Item 8(b) on Senate Agenda

MEMORANDUM

TO: UFS Steering Committee
FROM: Dr. Timothy Lenz, Chair, UFS Academic Planning and Budget Committee

SUBJECT: **Revised** Proposed UFS and UFS Steering Meeting Schedule for Academic Year   2012-2013
DATE: April 13, 2012

This is the revised proposed meeting schedule for academic year 2012-2013. It includes a change in the dates of the November and December meetings to avoid a conflict with commencement. I also checked to make sure that meetings were not scheduled for Good Friday. The Steering Committee meetings are scheduled for Tuesdays from 2:30-3:30 in the Provost's Conference Room and the UFS meetings are scheduled for Fridays from 2:00-4:00 in the BOT Room.

UFS Steering Committee   UFS
Fall Semester:
August 28th   September 7th
NOTE: classes begin 8/18; Labor Day is 9/3

September 25   October 5
October 23   November 2
November 20   November 30
NOTE: Thanksgiving Break is November 22-25

Spring Semester:
January 8th   January 18th
NOTE: classes begin January 5
February 5   February 15
NOTE: Spring Break March 4-10
March 12   March 22
April 9   April 19
NOTE: Semester ends 5/3
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