

# University Curriculum Committee

## Program and Course Recommendations

[March 21, 2017]

### PROGRAM RECOMMENDATIONS

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#### 3. Proposed modifications to the Economics major in LS effective summer B 2017.

Dr. David Pharies--~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/requests/Info/11339>
- Summary:
  - The Department of Economics proposes the expansion of the set of economics courses that meet its Required Upper-Level Coursework requirement. The department proposes to allow all 3,000-/4,000-level courses with an ECO, ECP, or ECS prefix to satisfy this requirement. The only three exceptions will be ECO 3101, ECO 3203, and ECO 4941.
- Comments:
  - ~~What is reasoning behind the ‘3 exceptions’ courses and where is this listed in the form? Needs to be clarified as the following is listed in proposed changes:~~
  - ~~We propose removing ECO 4941 (Economics Internship) from the list of courses that satisfy the “Required Upper-Level Coursework” requirement.~~
  - [ECO 3101 and ECO 3203 are currently listed under the “Required Foundation Coursework in the Catalog. Their treatment is unaffected by this change. The department only listed them under the exceptions to make it clear that they would not simultaneously satisfy the “Required Upper-Level Coursework” requirement.
  - The department does not want ECO 4941 to satisfy the “Required Upper-Level Coursework” requirement. When ECO 4941 counts toward this major requirement, the faculty only offer internship credit to students whose internships include substantial economic modeling, an amount that approximates that which is contained in an intermediate or advanced undergraduate economics course. This is a threshold that most internships do not satisfy. By removing the ECO 4941 course from the major, the department can offer internship credit to students whose internships, while academically valuable and relevant to the student’s major, are less technical in nature. Email response, 3/10/17]
  - How does this work?
    - ~~Removing ECO 4941 from the economics major will likely increase the number of students that receive credit for ECO 4941.~~

- [Students regularly request that the department offers internship credit for economics-related internships. Currently, as described above and under Pedagogical Rationale in the formal proposal, the department determines whether the proposed internship is equivalent in technical coverage to an economics elective, and only provides ECO 4941 when this rigorous threshold has been met. The department would be able to offer credit to more internships if ECO 4941 were not needing to fulfill the “Required Upper-Level Coursework” requirement for the economics major. The department acknowledges that there could be some concern that interest in ECO 4941 credit will be diminished if it does not satisfy the “Required Upper-Level Coursework” major requirement. This does not, however, concern the department. Many of our majors have, after being denied for receiving ECO 4941 credit, pursued IDS internship credit instead. In fact, this is the eventual route that almost all economics majors who receive UF credit for an internship must take. With the proposed changes, these students would be offered internship credit within their department. Email response, 3/10/17]
- ~~Current requirement also rejects ECO4905. Would this now be included as acceptable? This hasn’t been taught since Spring 2016.~~
  - [This was an oversight of in the initial proposal; the course is not currently listed on the major page in the Catalog. The department would continue to treat ECO 4905 as not counting toward the economics major requirements. This change has been addressed in an updated Catalog copy revision. Email response, 3/10/17]
  - ~~In Number 2 of the Proposed Changes, it list AEB3450, AEB4274, AEB4931, ECO4956, ECS4110, ECS4111, FIN3403 and GEO3502 as an additional option. We realize they are removing the ECO4956, ECS4110 and ECS4111; however, in the Catalog copy that is revised, the FIN3403 got inadvertently deleted.~~
  - [I do not see where this was done. In the attached revised Catalog copy, FIN 3403 is still listed under acceptable replacements, along with AEB 3450, AEB 4274, AEB 4931, and GEO 3502. Email response, 3/10/17]

4. Proposed modifications to the BFA in Dance effective summer B 2017. Dr. Edward Schaefer. **[CA]**

- <http://apps.aa.ufl.edu/Approval/requests/Info/11444>
- Summary:
  - Changes are not being made to alter the program goal but instead to accurately reflect our current program’s curriculum
  - Updating ballet requirement from 1 to 7 semesters with jazz required for one semester (8).

- Updated requirement for basic modern to meet twice during the major's freshman year
- Moved Laban, Dance Teaching Methods, History of Dance and Applied Human Anatomy to correct semesters.
- Updated course number for West African Dance
- Comments:
  - ~~Will this have an impact on the number of faculty in Jazz or reduce the number of students in Jazz?~~ [No there will be no impact. Email 3/15/17]
  - ~~DAA2331 West African Dance is only 2 credits and NOT 3 as indicated in the Semester 1 of the plan.~~ [Update has been made in semester plan, email 3/15/17]
  - ~~Curriculum has More than 12 credits of Gen Ed Humanities.~~
    - ~~With that there is 6 credits of GE C, 6 credits of GE S, 6 credits of GE M and 9 credits of GE BP for a total of 39. Might could remove the Biological or Physical Science option in Semester 4 and move either the Composition or Mathematics from Semester 6, then put an Approved Elective or General Elective for those 3 or 4 missing credits. Also, should label Composition in Semester 2 as the State Core instead of the one in Semester 6.~~ [Made the suggested changes and added an Approved Elective. Email 3/15/17]
  - ~~Since none of the required courses have a Writing Component, need to designate either a couple of the Approved Electives or the Social & Behavioral Science in Semester 4.~~ [Designated Approved Elective above as WR. Also designated a Social Science as WR along with both Composition to fulfill Gordon Rule.]
  - **Please describe why these changes were made from the pedagogical perspective. For example, why more ballet courses compared to jazz courses?**

5. Proposal to offer the Engineering Innovation minor effective summer B 2017. Dr. Curtis Taylor. **[CA]**

- <http://apps.aa.ufl.edu/Approval/requests/Info/11288>
- Summary:
  - Creation of Engineering Innovation Minor. Has consultations with Innovation Academy and Center for Entrepreneurship and Innovation
- Comments:
  - What is the rationale for offering this and the previously approved **certificate** (<http://apps.aa.ufl.edu/Approval/Requests/Info/10621>)?
    - Why would students opt for one or the other option?
  - Who are the target populations of engineering students for this minor?
  - Engineering students especially run the risk of excess credit hours surcharges.
    - How will HWCOE ensure students pursuing this minor do not run this risk?

- Will any courses in this minor count towards meeting engineering elective requirements of any of the engineering programs?

6. Proposal to create the ~~Community~~ Health Promotion minor effective summer B 2017.

Dr. Christopher Janelle. [CA]

- <http://apps.aa.ufl.edu/Approval/requests/Info/11512>
- Summary:
  - The Department of Health Education and Behavior is proposing the creation of a new minor housed in the department, titled “Community Health Promotion.” The minor will be 15 credits of HSC coursework.
- Comments:
  - ~~Please upload FYC consult:~~
    - ~~“NOTE: HEB has requested a meeting with FYCS to discuss further, but have yet to receive a response from the dept.” From the consult document in system.~~ [Consult uploaded. Email 3/16/17]
  - Who are the target populations of students for this minor?

7. Proposal to create a BA in Education Sciences, effective Fall 2018. Dr. Nancy Waldron and Dr. Tom Dana, COE [CA]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11321>
  - Summary:
    - Requests consideration of a new BA program in Education Sciences to provide a pathway for students not seeking teaching credentialing but rather those who seek to “lead innovations in schools and education, inform policy, optimize e-learning, advocate for accessibility and equity, and support the mission of institutions of learning.”
    - This program will be both on-campus and part of UF Online.
    - External Consultations: UF Online
  - Comments:
    - For critical tracking, STA2023 is listed as recommended. The course has to be required to be in tracking.
      - New degree request pdf states “3 critical tracking courses to be completed in freshmen/sophomore years” Course catalog lists the following, which includes statement of “complete 3 of 4 critical-tracking courses”.
- Semester 1**
- 2.0 UF GPA required
- Semester 2**
- Complete 1 of 3 critical-tracking courses
  - 2.3 UF GPA required
- Semester 3**
- Complete 2 of 3 critical-tracking courses

- 2.5 UF GPA required

#### **Semester 4**

- **Complete 3 of 4 critical-tracking courses**

- The plan adds to 120, but it would be more consistent to have one plan for each specialization and include the courses within the plan, rather than having one super generic plan.
- While they use mostly COE courses, and there is clearly Education content in the specializations, consultants might be in order with FYC, Sociology and/or Psychology for the Disabilities in Society, Educational Psychology, and especially Schools, Society, and Policy specializations.
- Will these be available for on campus and UF Online students with the same course offerings?
- It is not recommended to include language about dual degrees over the 8-semester plan.
- Do you anticipate that a significantly different student population will be attracted to this degree program, rather than this proposed program poaching from the existing COE degree programs?
  - How many students leave the existing two degree programs each year because they realize they do not wish to teach?
  - What percentage of students graduate from the existing programs but do not go on to teach?
- The proposal states that this BAES program will provide access to STEM education areas (page 4).
  - Can you explain this in more detail? In a time when students worry about excess credit hours, will students taking this BAES on as a double major be threatened with excess credit hours?
- How will you ensure capacity for the experiential learning requirement?
- Page 7: The response to the question of demand for the program suggests that this program will provide an alternative for students seeking a career related to education but not in the public school classroom.
  - Should we supporting an exodus from public schools? Shouldn't UF be supporting the other direction?
  - Might we change the wording here to suggest that this new degree program will prepare students who are uniquely prepared to envision innovative approaches to public education?
- Page 11: "Some of the instruction can be handled by graduate teaching assistants." What type of required training is in place or will be put into place to prepare graduate students to teach undergraduate students?
- How will you handle accommodations for students with disabilities in the experiential learning component?

## **12. Proposed new undergraduate certificates**

### **Agricultural and Life Sciences**

Mapping with Small Unmanned Aerial Systems: **[A]**

- <http://apps.aa.ufl.edu/Approval/requests/Info/11341>
- Comments:
  - What are there similarities/differences between this and the graduate certificate?

# COURSE RECOMMENDATIONS

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## 16. Proposed New Undergraduate Courses

Approved	Conditionally Approved	Recycle
BME 3XXX – Clinically-Inspired Engineering Design		
BME 3XXX – Internship Experience in Biomedical Engineering		
LEI 4XXX - Practicum in Tourism, Event and Recreation Management		
NSC 3XXXC – Fundamentals of Maneuver Warfare		

### Engineering

#### A. BME 3XXX – Clinically-Inspired Engineering Design: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11338>
- Comments:
  - “The long-term goal is to incorporate this course as a requirement in the BME curriculum.”
    - ~~Is there a timeline for this change?~~ [There is no official timeline at this point in time for the change in curriculum to occur. The BME faculty have voted in favor of making this course part of the required curriculum; however, given the marked increase in our enrollment numbers (50 to 100 last year), we are hoping to pilot this course in Spring 2018 and propose official inclusion in the core curriculum in Fall 2018, provided the pilot is successful. (This comment has also been added to the UCC form in Approval.) 3/15/17]
  - ~~Please provide more details about required assessments (presentations and homework).~~ [Updated by the instructor in the syllabus; edited syllabus has been uploaded into Approval. 3/15/17]
  - ~~Please upload a letter of support/consult from COM, possibly from Dr. Fantone?~~ [Uploaded, 3/15/17]

#### B. BME 3XXX – Internship Experience in Biomedical Engineering: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11303>
- Comments:
  - Previously Recycled (1/17)
  - ~~Majority of previous questions addressed~~
    - ~~4000 and 3000 level courses require a prerequisite, please list prereq's in the UCC form in the appropriate section.~~ [Prerequisite: BME major. 3/15/17]

- What is the make-up of the grade?
  - a. ~~“The grade for this internship (S or U) will be determined by the BME Department Undergraduate Coordinator or BME Department designee. In order to receive a grade of Satisfactory (S), a 2-4 page Post-Internship Report written by the student and the Employer Evaluation completed by the student’s supervisor(s) must be submitted to the BME Academic Office no later than the last day of class during the term in which the internship is completed. The Post-Internship Report is the student’s self-assessment of knowledge and skills learned while participating in the internship and a summary of the roles and responsibilities assumed during this time. The Employer Evaluation includes a review of the student’s work during the internship to evaluate whether or not the student has satisfactorily completed the internship and detailed contact information of the person or persons who have supervised and evaluated the student’s performance.~~
  - b. ~~The grade will be based on: (1) the quality of the Post-Internship Report, (2) the scope of the internship project, and (3) the Employer Evaluation.~~
    - i. ~~This is still not clear, there needs to be set percentages/measures/rubric etc.~~
    - ii. ~~There needs to be a ‘minimum (score/total/grade)’ to obtain an S in the course. I.e., what is the minimum amount of work for passing.~~
    - iii. ~~What is the grading scale for the written report? There must be a rubric, it cannot be a subjective decision.~~

[The following has been added in the Approval system and syllabus to provide clarification on item 2, 3/15/17:

“The grade for this internship (S or U) will be determined by the BME Department Undergraduate Coordinator or BME Department designee. In order to receive a grade of Satisfactory (S), a 2-4 page Post-Internship Report written by the student and the Employer Evaluation completed by the student’s supervisor(s) must be submitted to the BME Academic Office no later than the last day of class during the term in which the internship is completed. The Post-Internship Report is the student’s self-assessment of knowledge and skills learned while participating in the internship and a summary of the roles and responsibilities assumed during this time. The Employer Evaluation includes a review of the student’s work during the internship to evaluate whether or not the student has satisfactorily completed the internship and detailed contact information of the person or persons who have supervised and evaluated the student’s performance. The grade will be based on: (1) the quality of



the Post-Internship Report, (2) the scope of the internship project, and (3) the Employer Evaluation.

The following grading system will be used:

**Post Internship Report:**

0 = Report DOES NOT clearly express knowledge/skills learned (e.g. lacks sufficient detail or poor presentation or excessive grammatical errors)

1 = Report DOES clearly express knowledge/skills learned (e.g. sufficient detail and effective presentation and minimal grammatical errors)

**Scope of Project:**

0 = Project deemed trivial and not representative of credit hours enrolled

1 = Project demonstrates a substantive level of work commensurate with credit hours enrolled

**Employer evaluation:**

0 = Student DID NOT perform at a satisfactory level (e.g. was not present and working the specified hours/week)

1 = Student DID perform at a satisfactory level (e.g. was present and working the specified hours/week)

A score of 1 for each of the three grading categories is required to receive a course grade of Satisfactory (S).

If the Post-Internship Report and Employer Evaluation are not submitted by the deadline indicated above, the student will receive a grade of Unsatisfactory (U).

More information on UF grading policy may be found at:  
<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>"]

## Health and Human Performance

### C. LEI 4XXX - Practicum in Tourism, Event and Recreation Management: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11420>
- Comments:
  - What is variable credit decision based on? I.e. what determines 1, 2, or 3 credits?
    - [Number of credits is determined by the amount of work/clock hours (1 credit = 48 work/clock hours). Additionally the number of credits/hours must be determined prior to the approval of the practicum. Email, 3/10/17]
      - a. ~~Needs to be included in form/syllabus within approval system.~~
        - i. ~~Also need to clarify that 1 credit equals 48 hours of work, 2cr=96, 3cr=144 etc.~~ [Updated in system, 3/16/17]
  - Great description of what minimum requirement for a satisfactory is for the course.
    - ~~Is the Practicum Supervisor a UF representative/employee or someone associated with the practicum site rather than the university?~~ [Practicum supervisor is an employee associated with the practicum site or their site supervisor]
      - a. ~~Who will be in charge of assessment/grading?~~ [Dr. Doug DeMichele, TRSM faculty]
    - ~~Will this course be a prerequisite for participating in an internship?~~ [No. The practicum is a supplementary experiential learning opportunity and is independent of the senior internship. The practicum provides an avenue for the student to receive college credit while securing work related experience. Since many agencies require students to receive college credit for all experiential learning opportunities, the student is better positioned to secure the opportunity because the agency knows the student will have to commit to an agreed upon work schedule. Email, 3/10/17]

## ROTC - Navy

### D. NSC 3XXXC – Fundamentals of Maneuver Warfare: [A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11279>
- Comments:
  - No comments

## 17. Proposed Changes to Undergraduate Courses

Approved	Conditionally Approved	Recycle
	BSC 3096 – Human Physiology	
	SPA 4050 – Clinical Observation	

### Liberal Arts and Sciences

#### A. BSC 3096 – Human Physiology: **[CA]**

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11422>
- Comments:
  - Rationale: “In discussions between the instructors of BSC 3096 and APK 2105, we have determined that there is too much overlap in content for them to be taken as sequential courses.”
  - If there is this much overlap between APK 2105 and BSC 3096, does this create a problem for students who may still take both?
    1. Does eliminating APK 2105 as a prereq in effect mean the students won’t take APK 2105 at all?
  - Please upload a consult from APK 2105 department/college stating support and awareness of this request, and email from a representative would also serve.

### Public Health and Health Professions

#### B. SPA 4050 – Clinical Observation: **[CA]**

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11437>
- Comments:
  - Changing credits from 2 to 3
  - What are the standards for assessing observation reflection papers, the observation logs, discussion/chat participation, and the HIPAA/Confidentiality Statement?

## 18. Proposed New Professional Courses

Approved	Conditionally Approved	Recycle
PHA 5XXX – Advanced Topics in Infectious Diseases	VEM 3XXXX - Equine Lameness and Imaging Elective Course and Laboratory	
PHA 5XXX – Delivery of Medication Therapy Management Services		
PHA 5XXXXC – Patient Care 7: Brain & Behavior		

### Pharmacy

#### A. PHA 5XXX – Advanced Topics in Infectious Diseases: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11522>
- Comments:
  - As per previous discussions the “completion of blocks 1-17’ as prereq must be departmentally controlled.
  - ~~Contact hours in form: 15 for 2cr course, but in the topics lists 30. Needs to be corrected.~~ [I believe I entered 15 because it asks the contact hours per week. Since this is a 2 cr course, there are 30 contact hours. This course is taught over 2 weeks. Therefore, 15 credit hours per week (plus 30 hrs of outside study per week). Email 3/14/17]

#### B. PHA 5XXX – Delivery of Medication Therapy Management Services: [A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11516>
- Comments:
  - As per previous discussions the “completion of blocks 1-17’ as prereq must be departmentally controlled.

#### C. PHA 5XXXXC – Patient Care 7: Brain & Behavior: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11515>
- Comments:
  - As per previous discussions the “completion of blocks 14 in Year 3 of PharmD” as prereq must be departmentally controlled.
  - ~~Is the list of topics correct? It seems very large.~~ [It is correct – this is a 6 credit hour course. There may be more topics (disorders) than previous courses. But, there is less time spent on some of these disorders compared to disorders in other courses. (Also, some of those courses were only 4 credit hours). Email 3/14/17]

1. ~~Same with Readings~~ [The textbooks listed are required for each of the Pt Care 2 thru Pt Care 8 courses. (Same text books are used across years 2 and 3 for the Pt Care courses. These are very big textbooks that are the gold standard for pharmacy practice. The faculty only assign chapters relevant to the disorders/drugs that are being taught in a course. Email 3/14/17]
2. ~~Is there a reason for the increased amount for this class compared with other courses?~~ [Since it is a 6 credit hour course, there are 90 instructor contact hrs (recorded lectures with quizzes, active learning sessions, and exams). There are also 180 hours of outside study. Some of the other Pt Care courses were only 4 credit hours (60 contact hrs). Our electives are 2 credit hours (30 contact hrs). Email 3/14/17]

## Veterinary Medicine

### D. VEM 3XXXC - Equine Lameness and Imaging Elective Course and Laboratory: [CA]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11443>
- Comments:
  - This course is offered prior to VEM5264 Lg Animal Radiology and VEM5422 Equine Surgery
    1. Will this be a required course in the program?
    2. If so will a curriculum/program change request be forthcoming?
  - 2 credit hour lab, is this course to be taken in conjunction with another course?
  - “Attendance: Attendance is expected.”
    1. Is this the same as required? If so is there a point system/grade for attendance?
  - “Remediation: The necessity and path for remediation will be determined on an individual basis.”?
  - Are credit hours appropriate for contact hours 2/28
  - Missing course outline/schedule
  - “We do not keep regular office hours”, violates UF policy. Office hours must available to students.
  - Course description in syllabus needs to reflect same as in forms, extraneous information should be moved elsewhere in the syllabus.
  - Committee Member Question: Regarding the scrubs statement; Does ‘neat’ mean ‘clean’? Perhaps this should be clarified to students.

## 19. Proposed Changes to Professional Courses

Approved	Conditionally Approved	Recycle
PHA 5607 – Critical Care Pharmacy		

### Pharmacy

#### A. PHA 5607 – Critical Care Pharmacy: **[A]**

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11523>
- Comments:
  - Fix typo in description
  - As per previous discussions the “completion of blocks xx-xx” as prereq must be departmentally controlled.

## 20. Proposed New Joint Courses Changes

Approved	Conditionally Approved	Recycle
EEL 4XXX/5XXX – Smart Grid for Sustainable Energy		
EEL 4761/5761 – Advanced Systems Programming		
EEL 4XXX – Resonant MEMS		
EEL 4XXX – Power System Protection		

### Engineering

#### A. EEL 4XXX/5XXX – Smart Grid for Sustainable Energy: **[CA][A]**

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11289>
- Comments:
  - ~~Course description needs to be corrected, seems to be a list of topics.~~ **[Updated]**
  - Previously recycled by UCC, believe all comments have been addressed.

#### B. EEL 4761/5761 – Advanced Systems Programming: **[CA][A]**

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11429>
- Comments:

- ~~Under prerequisites: what is C Programming knowledge; is that C++ and how is that monitored? (Please specify course)~~ [Syllabus and UCC form updated to address concerns and uploaded to approval system. C Programming knowledge pre-req has been replaced with EEL 3834 or equivalent. Updated 3/14/17]
- ~~Note: The “this course is co-listed” statement is the same in both the undergrad and graduate syllabi.~~

D. EEL 4XXX – Resonant MEMS: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11432>
- Comments:
  - ~~Please upload the graduate level syllabus & detail the ‘percentage difference’ in grading scales for the graduate and undergraduate listings, i.e.~~
  - 1. ~~“This course is co-listed with the graduate class. The homework portion of the graduate section will involve additional work and more advanced concepts with respect to the undergraduate section. The exams will also involve more advanced concepts with respect to the undergraduate section.”~~
  - 2. ~~“Grading for the homework and projects are different from the undergraduate course. For the undergraduate section, the homework has a higher grading percentage while the project has a lower grading percentage. Graduate students will present material from a research paper of their choosing and will also submit a written report.”~~

[Department Comments: The graduate level syllabus has been uploaded. The different grading scales are listed on the syllabi in the system. Updated 3/14/17]

E. EEL 4XXX – Power System Protection: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11430>
- Comments:
  - ~~Prerequisites (EEL 4251 or equivalent); what is considered equivalent? Should this also be “instructor permission”?~~ [Updated to EEL 4251 or instructor permission. Email 3/14/17]
  - ~~Course description appears to be keywords rather than a description, needs to be fixed.~~ [Updated 3/13/17]
  - ~~Accommodation link needs to be included~~ [Updated 3/13/17]

- ~~Please provide some details of the 2 projects within the syllabus.~~ [After further review of the syllabus, the instructor decided to administer 2 exams instead of 2 projects. Updated 3/13/17]
- ~~Please detail the ‘percentage difference’ in grading scales for the graduate and undergraduate listings, i.e.~~ [Instructor updated statements to be less confusing. The grad syllabus has also been uploaded to show differences. Updated 3/13/17]
  1. ~~“This course is co-listed with the graduate class. The homework portion of the graduate section will involve additional work and more advanced concepts with respect to the undergraduate section. The exams will also involve more advanced concepts with respect to the undergraduate section.”~~
  2. ~~“Grading for the homework and projects are different from the undergraduate course. For the undergraduate section, the homework has a higher grading percentage while the project has a lower grading percentage. Graduate students will present material from a research paper of their choosing and will also submit a written report.”~~

## 21. Proposed Changes to Joint Courses

Approved	Conditionally Approved	Recycle
MCB 4320C – Bacterial Genome Sequencing Analysis		

### Agricultural and Life Sciences

#### C. MCB 4320C – Bacterial Genome Sequencing Analysis: ~~[CA]~~[A]

- <http://apps.aa.ufl.edu/Approval/Requests/Info/11004>
- Comments:
  - ~~“Personnel from the Triplett lab will give lectures and provide activities on the technologies they are using that apply to microbiome analysis.”~~
    1. ~~What is a ‘Triplett Lab’? Please clarify who will be teaching and providing lectures.~~
      - a. [Dr. Triplett is the instructor of the course]
      - b. Teaching assistants: PhD students and post-doctoral fellows will also contribute to the lecture material and guide students through the computer based activities and microbiome data analysis. Email 3/10/17]



- ~~Is the course currently web based and continuing to be web based, or is it moving to an all web based format?~~ [It currently is all web based and will remain 100% web based. Email 3/10/17]

- ~~Grading/Assessment Questions;~~

- 1. ~~5 hour long exams~~

- a. ~~Please note how this handled or whether this is a time range for exams to be completed by students online.~~ [The exam is limited to 1h but the students have a window of 5 hours to take it. Email 3/10/17]