

# University Curriculum Committee Minutes

## October 20, 2020

Scheduled from 1:00 to 3:00 p.m. via Zoom teleconferencing.

### ATTENDEES

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#### Members

James Babanikos, Joel Brendemuhl, Abdol Chini, Youssef Haddad, Stephanie Hanson, Christopher Janelle, Tyler Kendrick, Sujata Krishna, Crystal Marull, Steve Pritz, Czerne Reid, Matthew Ryan, Richard V. Scholtz, III, Jennifer Setlow, Alexander Sevilla, Patricia Sohn, Joseph Spillane, Nicole Stedman, Hans van Oostrom, Katie Vogel Anderson, and Nancy Waldron.

#### Liaisons

Toby Shorey

#### Guests

Gail Childs, Nicole Raymond, Erica Studer-Byrnes, Frankie Tai, Kristie Vaught, and Stacy Wallace.

### WELCOME

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Dr. Haddad led the meeting.

1. Approval of minutes of the September 15, 2020 meeting. | Dr. Haddad

Approved.

2. Update from the Faculty Senate. | Dr. Haddad

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Information from IFAS for SFRD change of name. Will be an action item next month.

Casey shared a link to approval for approving combination degrees and asked for volunteers to help him fine tune it by submitting requests.

### PROGRAMS

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3. [Proposed changes to Juris Doctor degree, effective Summer 2021](#). | Dr. Vought presented two small changes; adding an experiential credit requirement and a pro bono hour requirement.

Approved.

4. [Proposed changes to NWSA composition Specialization curriculum, Summer 2021](#). | Dr. Setlow requested that this item be recycled.

5. [Proposed specialization in Wealth Management for B.A in Business Administration, Summer 2021](#). | Dr. Naranjo said that this specialization would provide students majoring in business with some key concepts in wealth management, which is a marketable area for students. The four key courses for the specialization were approved in September. They submitted consults as appropriate.

Approved.

## ACADEMIC ASSESSMENT COMMITTEE

9. Notice of items from the Academic Assessment Committee (information only).

- Microsystem Technology Graduate Certificate – review of revised assessment —recycled
- Hardware & Systems Security Graduate Certificate – review revised assessment —conditionally approved
- Biomedical Engineering (BSBME ) request to update annual reports —recycled
- Master of International Construction Management Assessment Plan Update —approved
- Forest Health and Resilience Graduate Certificate – New Academic Assessment Plan —approved
- Transportation Operations and Planning Graduate Certificate – New Academic Assessment Plan —recycled

## GRADUATE SCHOOL

10. Notice of items from the Graduate School (information only).

- Microsystem Technology Graduate Certificate – review of revised assessment —recycled
- Hardware & Systems Security Graduate Certificate – review revised assessment —conditionally approved
- Biomedical Engineering (BSBME ) request to update annual reports —recycled
- Master of International Construction Management Assessment Plan Update —approved
- Forest Health and Resilience Graduate Certificate – New Academic Assessment Plan —approved
- Transportation Operations and Planning Graduate Certificate – New Academic Assessment Plan —recycled

## CERTIFICATES

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### GRADUATE

8. Notice of new graduate certificates (information only).

- Audience Analytics, College of Journalism and Communications. (14614)

9. Notice of changes to graduate certificates (information only).

- Reduced the amount of credit from 12 semester hours to 10 semester hours for the graduate certificate in Plant Pest Risk Assessment and Management. (13830)

### UNDERGRADUATE

10. Proposed new undergraduate certificates.

- [Biosecurity and Biological Invasions](#) | Dr. Brendemuhl reported that the department is amenable to changing the credit count from 9 to 10.

Conditionally approved pending this updated in the request documentation.

11. Proposed changes to undergraduate certificates.

- None

### PROFESSIONAL

15. Proposed new professional certificates.

- None

16. Proposed changes to professional certificates.

- None

## COURSES

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### UNDERGRADUATE

17. Proposed new undergraduate courses.

#### **Agricultural and Life Sciences**

- [FYC 4XXX Children: Trauma and Resiliency](#)—approved
- [MCB 4XXX Applications and Technologies of Synthetic Biology](#)—approved
- [ORH 4804C Annual and Perennial Gardening](#)—approved
- [WIS 4XXX The Ecology of Climate Change](#)—approved

### Engineering

- [CAP 4XXX Natural Language Processing Course in CISE](#)—approved
- [EEL 3XXX Data Science of ECE](#)—recycled
- [EGN 3XXX Artificial Intelligence Fundamentals](#)—approved

### Liberal Arts and Sciences

- [AST 3XXX Advanced Computational Techniques in Physics and Astronomy](#)—approved

15. Proposed changes to undergraduate courses.

### Agricultural and Life Sciences

- [ENY 4210 Insects and Wildlife](#)—approved

### Engineering

- [BME 3012 Clinically-Inspired Engineering Design](#)—approved
- [BME 4883 Senior Design, Professionalism and Ethics 2](#)—approved
- [EEE 4260C Bioelectrical Systems](#)—approved
- [ECH 4948 Internship Work Experience](#)—recycled
- [ECH 4949 Co-op Work Experience](#)—recycled
- [EML 3310C Mechanics of Materials Lab](#)—approved

### Medicine

- [BCH 4905 Biochemistry Senior Research: Science for Life Seminar](#)—recycled

### PROFESSIONAL

19. Proposed new professional courses.

- None

20. Proposed changes to professional courses.

- None

### JOINT

21. Proposed new joint courses.

### Agricultural and Life Sciences

- [ANS 4XXX Genetic Analyses of Complex Traits in Livestock](#)—approved
- [WIS 4XXX Wetland Management](#)—conditionally approved

19. Proposed changes to joint courses.

- None

22. Proposed changes to joint courses.

- None

## 5000-LEVEL

23. Proposed new 5000 level courses.

- None

24. Proposed changes to 5000 level courses.

- None

## GRADUATE

22. Notice of new graduate courses (information only).

- AEC 6XXX Developing and Conducting Needs Assessments in Extension Settings (14817)
- AGR 6XXX Supervised Extension-Agronomy (14556)
- AGR 6XXX Plant Chromosomes and Genomes (14511)
- ANG 6XXX Anthropology of Pregnancy, Birth, and Early Childhood Development (14660)
- EEX 6XXX Single Subject Research Design Methods in Education (14588)
- EGN 5XXX Applied Machine Learning (14949)
- EGN 6XXX Applied Machine Learning II (14950)
- CJJ 6XXX Juvenile Justice (14750)
- CCJ 6942 Applied CJ Research Project (14462)
- GMS 6XXX Advanced Respiration Physiology 1 (14384)
- GMS 6XXX Advanced Respiration Physiology 2 (14386)
- GMS 6XXX Clinical Decision Support (15268)
- LEI 6931 Revenue Management in Hospitality Business (14512)
- PHA 6XXX Drug Design II (14828)
- PHC6XXX Bayesian Biostatistical Methods (15284)
- PHC 6XXX Community-Based Participatory Research (14728)
- PHC 6XXX Maternal and Child Health Epidemiology (14935)
- SPM 5XXX Sport Mass Media (14752)
- SWS 6XXX Professional Development in Soil, Water, and Ecosystem Sciences (15265)
- WIS 6XXX Professional Communication in Wildlife Forensic Sciences (14300)

23. Notice of changes to graduate courses (information only).

- GMS 6805 Information Modeling in Biomedicine (14502)
- QMB 6XXX Artificial Intelligence Methods in Business (14821)

Meeting adjourned at 1:38 p.m.

## ADDENDUM

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*Compiled Before the Meeting*

# University Curriculum Committee Program and Course Recommendations

[October 20, 2020]

## Program Recommendations

1. **Proposed changes to Juris Doctor degree, effective Fall 2020. [A]**
  - <https://secure.aa.ufl.edu/Approval/reports/15203> \_\_\_
  - **Summary: Adding experiential learning requirement and pro bono requirement to official curriculum and degree audit to allow for easier monitoring for students.**
  - **Comments:**
    - None
2. **Proposed changes to NWSA composition Specialization curriculum, effective Spring 2021. [R]**
  - <https://secure.aa.ufl.edu/Approval/reports/14378>
  - **Summary:**
    - **Students majoring in composition at New World School of the Arts currently take Applied Instrument Lesson for 1 credit at the upper level over 3 semesters. As a result, they fall short of the 6-credit total Applied Instrument Lesson UF requirement. To correct this, it is proposed to reduce the required credits for Applied Instrument Lessons from 6 to 3 total Applied Instrument Lesson credits. National Association of Schools of Music require NWSA Composition students to take at least 4 semesters in Applied Instrument Lessons combined, at the lower and upper levels. The proposed changes will meet this requirement.**
  - **Comments:**
    - [NWSA students do not meet the UF requirement of 6 credits \(they only do 3 cr\), so they are reducing the requirement from 6 to 3 credits? Is this requesting a different requirements than the UF major? Has a new major or modification to the catalog been created to stipulate this?](#)  
[\[“The degrees offered at NWSA have curricula that differ from those offered in Gainesville. This is true across the board, appropriately so, given that NWSA has much more of a “conservatory” focus than we do in Gainesville. NWSA students do not use our catalog, and have separate](#)

degree audits from students studying in Gainesville.” Email, J. Setlow, 10/6/2020]

- The attached document should be provided with track changes otherwise it is very difficult to compare the old and the new. Please upload in word format based on the current UF catalog style.
- College has requested it to be recycled.

3. **Proposed specialization in Wealth Management for B.A in Business Administration, effective Spring 2021. [R][CA]**

- <https://secure.aa.ufl.edu/Approval/reports/15172>
- **Summary:**
  - **Creation of a 28 credit specialization.**
    - **Required Prerequisites:**
    - **i) Intro to Financial Accounting (ACG 2021, 4 credits); ii) Intro to Economics (ECO 2023, 4 credits); iii) Introduction to Finance (FIN 3403, 4 credits)**
    - **Four Required Courses:**
      - A. **FIN 3124 Introduction to Financial Planning & Wealth Management (4 Credits)**
      - B. **RMI 3011 Risk Management and Insurance (4 Credits)**
      - C. **FIN 4132 Estate & Tax Planning (4 Credits)**
      - D. **FIN 4128 Financial Plan Development (4 Credits)**
- **Comments:**
  - ~~Conflicting information in the documents regarding required courses. The memo say all four listed courses are required. The Area of Specialization documents says a minimum of 3 on the same list of courses.~~ **[The conflicting information was an error in our submission; the area of specialization document has been updated to reflect the requirement that all 4 of the courses listed must be completed. Revised documentation has been uploaded into the Academic Approval system, 10/6/20]**
  - **Please provide catalog copy in Word format for the specialization. [Waiting for upload]**

10. New undergraduate certificates:

**Biosecurity and Biological Invasions [R][CA]**

- <https://secure.aa.ufl.edu/Approval/reports/13875>
- **Summary:**
  - **Creation of a 10 credit certificate, 2 required courses (6 cr), 1 internship (1 cr), 1 elective (2-3cr)**
- **Comments:**



- Please upload catalog copy in Microsoft word format. See undergrad catalog for examples of catalog copy for certificates. **[Uploaded, 10/8/20]**
- ~~Please remove, “\*This course has been taught for several years as ENY 4905 to undergraduate students and the undergraduate course number has been applied for.”~~
- ~~Please add list of elective courses approved for certificate to approval form.~~ **[Uploaded]**
- ~~What is the anticipated enrollment for this certificate?~~
  - ~~Are all departments able to handle the increase in enrollment for their courses?~~ **[ Yes, uploaded response]**
- **Recommend listing certificate as 9-10 credits, some of the elective options are 2 credits. - CG**

## COURSE RECOMMENDATIONS

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### 14. Proposed New Undergraduate Courses

Approved	Conditionally Approved	Recycle
FYC 4XXX – Children: Trauma and Resiliency	MCB 4XXX – Applications and Technologies of Synthetic Biology	EEL 3XXX – Data Science of ECE
ORH 4804C – Annual and Perennial Gardening:		
WIS 4XXX – The Ecology of Climate Change		
ENG 3XXX – Artificial Intelligence Fundamentals:		
CAP 4XXX – Natural Language Processing Course in CISE		
AST 3XXX – Advanced Computational Techniques in Physics and Astronomy		

### Agricultural and Life Sciences

- A. FYC 4XXX – Children: Trauma and Resiliency: **[R][A]**
- <https://secure.aa.ufl.edu/Approval/reports/15061>
  - Comments:

- ~~Please provide more detail regarding content and weekly schedule in both syllabus and approval form. [More information has been uploaded to syllabus and request. 10/7/2020]~~

B. MCB 4XXX – Applications and Technologies of Synthetic Biology: **[R][CA]**

- <https://secure.aa.ufl.edu/Approval/reports/11708>
- Comments:
  - The quizzes must be proctored as they account for 50% of the grade. [The language of UF guidelines says if ONE exam is  $\geq 15\%$  it has to be proctored <https://dce.ufl.edu/services/online-proctoring/> any assessment equivalent to 15% or more of a student’s final course grade should utilize online authentication and proctoring solution. According to the CITT (<https://citt.ufl.edu/resources/assessing-student-learning/modifying-assessment-strategy-for-online-teaching/>) the practice of using low stakes exams, what quizzes are, is encouraged. We had several submissions where quizzes were not proctored and it never was a problem previously  
15 quizzes make up 50% of the grade, this does not call for proctoring each quiz as each quiz is 3.3%]
  - ~~Is course to be offered via UFOnline program or simply offered online? If offered through UFOnline a letter of support needs to be provided from UFO? [UF has officially adopted all of our new courses. We can provide this letter if requested now we have already have the verbal approval by UFO. Email response 10/8/2020]~~
    - ~~Please up load a letter of support from UFOnline, to the request. —  
C.Griffith~~

C. ORH 4804C – Annual and Perennial Gardening: **[CA][A]**

- <https://secure.aa.ufl.edu/Approval/reports/15072>
- Comments:
  - ~~Are there differences between this joint course and the other courses if taken separately? [The two courses are designed to be very similar with identical objectives but in the ORH 4804C we have different lab experiences, relative to landscapes in the Gainesville area. 10/13/2020]~~
  - ~~What are the contact hours for the existing lecture and lab course? [The existing lecture is 2 contact hours for the lecture and 1 for the lab. In ORH~~

4804C we proposed 2 contact hours for the lecture and 2 for the lab, keeping it as a 3 credit course. 10/13/2020]

D. WIS 4XXX – The Ecology of Climate Change: ~~[CA]~~[A]

- <https://secure.aa.ufl.edu/Approval/reports/14338>
- Comments:
  - ~~Course Description: Delete “This course.” [Updated, 10/8/2020]~~
  - ~~Course Objectives needs to be more concise, performative, measurable.~~
    - Create a climate change vulnerability assessment for species
    - List and describe the core ecological processes that are studied in climate change science
    - Describe the dominant climate gradients that exist on the Earth and explain how they are important for climate change ecology
    - List and describe the primary methods and approaches for studying climate change ecology
    - Summarize how climate change interacts with species genetics, morphology, and physiology
    - Describe how phenology and life-cycle processes in plants and animals are shifting in response to climate change
    - Describe how historical, current, and future climates shape species distributions
    - Develop an understanding of the basis for species distribution models and how they are used in climate change research
    - Recognize and describe how species interactions might escalate the impacts of climate change
    - Identify the magnitude and scale at which communities and ecosystems are responding to climate change
    - Setup and execute a case study on invasive brown anoles to assess interactions between urbanization, invasion ecology, and climate change
    - Critically think about traditional conservation science and formulate hypotheses as to how it might change in the future under climate change

## Engineering

E. ENG 3XXX – Artificial Intelligence Fundamentals: [A]

- <https://secure.aa.ufl.edu/Approval/reports/14815>
- Comments:
  - None

F. EEL 3XXX – Data Science of ECE: [R]

- <https://secure.aa.ufl.edu/Approval/reports/14731>
- Comments:
  - ~~Prereq that students will need basic computer programming skills—how will this be determined? There should be a specific requirement, such as a class, proficiency exam, etc listed as the prereq.~~ [Added EEL 3834- Programming 1 course. 10/12/2020]
  - Has the Department of Mathematics been consulted regarding this course? [Both Math and Statistics are being consulted. Awaiting consults]
  - ~~Syllabus says required texts are on loan at Marston library. Is there only 1 copy at Marston? Will this help the students?~~ [Info. added to syllabus]
  - ~~Grade breakdown in syllabus does not match the breakdown on the UCC form (e.g. is final exam 20% of the total grade or 30% of the total grade, are there 2 midterm exams or 1?).~~ [Updated on approval form to match syllabus.]
  - ~~It's unclear how student participation will be assessed. Also, what does it mean “via email or text”? Does instructor mean text? Are students getting participation credit for sending text messages to instructor?~~ [Info. added to syllabus.]
  - ~~There is no information in syllabus or UCC form about what “homework and projects” are that are worth 15% of the grade (according to the syllabus), or what the in-class evaluations are. Provide additional information about course assessments.~~ [Info added to syllabus.]
  - ~~UCC form says the course is on campus. Syllabus—under weekly schedule of topics—says online for some of the topics. Is this a hybrid course?~~ [No. Students will watch pre-recorded videos in preparation for class (added to syllabus).]

G. CAP 4XXX – Natural Language Processing Course in CISE: [CA][A]

- <https://secure.aa.ufl.edu/Approval/reports/14841>
- Comments:
  - ~~Course description: Delete “This course introduces the student to” and replace with “Introduces” or “Introduction to.”~~ [Updated, 10/12/2020]

## Liberal Arts and Sciences

H. AST 3XXX – Advanced Computational Techniques in Physics and Astronomy: [CA][A]

- <https://secure.aa.ufl.edu/Approval/reports/14449>

- Comments:
  - ~~What is the desired title for the course. The form and request title differ, and the actual request title may be used if desired.~~

### 15. Proposed Changes to Undergraduate Courses

Approved	Conditionally Approved	Recycle
ENY 4210 – Insects and Wildlife		ECH 4948 – Internship Work Experience
BME 3012 – Clinically-Inspired Engineering Design:		ECH 4949 – Co-op work experience
BME 4883 – Senior Design, Professionalism and Ethics 2		
EEE 4260C – Bioelectrical Systems		BCH 4905 - Biochemistry Senior Research: SCIENCE FOR LIFE SEMINAR
EML 3310C – Mechanics of Materials Lab		

### Agricultural and Life Sciences

- A. ENY 4210 – Insects and Wildlife: ~~[CA]~~[A]
- <https://secure.aa.ufl.edu/Approval/reports/15224>
  - Comments:
    - Prereq change
    - ~~Please update rationale in form to explain why the change is needed.~~ [Insects and Wildlife is an upper division course for science majors. The course meets the elective requirement as an invertebrate biology course. Students should have completed a General Education Biology Lab prior to course registration, so we would like to add BSC2005L as a prerequisite option for this course. The prerequisite is currently ENY3005L or equivalent entomology laboratory course. The options requested would be BSC2005L or ENY3005L or equivalent.]

### Engineering

- A. BME 3012 – Clinically-Inspired Engineering Design: [A]
- <https://secure.aa.ufl.edu/Approval/reports/15214>
  - Comments:
    - None

B. BME 4883 – Senior Design, Professionalism and Ethics 2: [A]

- <https://secure.aa.ufl.edu/Approval/reports/15215>
- Comments:
  - None

C. EEE 4260C – Bioelectrical Systems: [CA][A]

- <https://secure.aa.ufl.edu/Approval/reports/15012>
- Comments:
  - ~~What were the unintended consequences that occurred when the prereq EEL 3112(C) was dropped?~~ [EEL 3112 was previously dropped as a prerequisite (effective Spring 2020). EEL 3112 was dropped in error. In addition, other more important prerequisites (ie, EEL 3135) were dropped with this change. 10/12/2020]

D. ECH 4948 – Internship Work Experience: [R]

- <https://secure.aa.ufl.edu/Approval/reports/15175>
- Comments:
  - The following info is noted in the syllabus but not on the UCC form – “0-3 credits, repeatable (S-U). However, a maximum of 3 credits from ECH4948 and ECH 4949 can count towards the Chemical Engineering degree. For example, a student who has earned 1 credit of ECH 4949, can only have 2 credits of ECH 4948 count towards the degree.” This should be noted in the UCC form too.
  - Syllabus refers to allowing full-time or part-time engineering work; are there any students working full-time? Is this based on the 40 hours of work per week that can result in 2 or 3 credits? How many students does the program anticipate will be working 40 hours per week to earn 2 or 3 credits? Will they be performing this work only, or might they be enrolled in other courses/credits? How many hours per week have students been working in the past to earn 1 credit?
    - How does the 1-2 page report determine satisfactory grade and why is it the same requirement for variable credits?
  - Syllabus says no prereqs or coreqs. This is a 4000-level course. There should be a prereq.
  - Evaluation info on syllabus should be changed to current GatorEvals info.
  - Please provide information regarding how credits are decided and how the students are assessed.

E. ECH 4949 – Co-op work experience: **[R]**

- <https://secure.aa.ufl.edu/Approval/reports/15176>
- Comments:
  - The following info is noted in the syllabus but not on the UCC form – “0-3 credits, repeatable (S-U). However, a maximum of 3 credits from ECH4948 and ECH 4949 can count towards the Chemical Engineering degree. For example, a student who has earned 1 credit of ECH 4949, can only have 2 credits of ECH 4948 count towards the degree.” This should be noted in the UCC form too.
    - How does the 1-2 page report determine satisfactory grade and why is it the same requirement for variable credits?
  - Please provide information regarding how credits are decided and how the students are assessed for grading.
  - Evaluation info on syllabus should be changed to current GatorEvals info.

F. EML 3310C – Mechanics of Materials Lab: **[CA][A]**

- <https://secure.aa.ufl.edu/Approval/reports/14453>
- Comments:
  - ~~What are the credit totals for each proposed prerequisite?~~
  - ~~Will this have an impact on the total degree credit count?~~
  - ~~Adding COP2271 and an additional pre-req~~  
[“Change prerequisites in EML3301C Mechanics of Materials Lab (3 hrs) by removing EGM3344 Numerical Methods and adding EMA3010 and COP2271. Adding EMA3010 will provided materials science background for better understanding of the mechanics of materials concepts in this course. This course requires computer programming knowledge, but not necessarily a background in numerical methods. So replacing EGM3344 with COP2271 is requested. Note: EMA3010 is 3 hrs credit, COP2271 is 2 hrs credit. Both EMA3010 and COP2271 are required courses for all majors (ME and ASE) that require the affected course EML3301C. As a result there is no change in total number of hours for the ME or ASE majors.” Email response, 10/6/2020]

## Medicine

A. BCH 4905 - Biochemistry Senior Research: SCIENCE FOR LIFE SEMINAR: **[R]**

- <https://secure.aa.ufl.edu/Approval/reports/15060>
- Comments:

- Is this request asking to change section descriptions? How many courses have the same description and what are the courses. The explanation is not clear.
- Is this special topics or independent study?

## 18. Proposed Joint Courses

Approved	Conditionally Approved	Recycle
ANS 4XXX – Genetic Analyses of Complex Traits in Livestock	WIS 4XXX - Wetland Management	

### Agriculture and Life Sciences

#### A. ANS 4XXX – Genetic Analyses of Complex Traits in Livestock: **[A]**

- <https://secure.aa.ufl.edu/Approval/reports/15191>
- Comments:
  - Regarding the privacy section of the syllabus, the instructor should draw attention to this section and not rely on students to read the “fine print” on their own.

#### B. WIS 4XXX - Wetland Management **[CA]**

- <https://secure.aa.ufl.edu/Approval/reports/13496>
- Course Description: Start with “Prepares.”
- Grading Scheme: Attendance should not be listed with participation for a grade. This includes removing it from the following statement in the syllabus: *Participation is based on both attendance and on evidence of engagement in classes and labs – asking questions in or out of class times, and evidence of preparation. See UF attendance policy at <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>* Add a rubric for participation.
- Please add language to describe the different items under Grading Scheme, along with expectations, etc.