GRADUATE COUNCIL AGENDA
SEPTEMBER 21, 2023
1:00 PM

110 GRINTER HALL

I.   ACTION ITEMS:

1. Minutes from the May 18, 2023 Graduate Council Meeting (Enclosure 1).

CERTIFICATES:

2. The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Applied Pharmacoeconomics (#18638). Dr. Laura Happe and Ms. Heather Steingraber will be present for discussion (Enclosure 2).

3. The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Managed Care Pharmacy Systems (#18639). Dr. Laura Happe and Ms. Heather Steingraber will be present for discussion (Enclosure 3).

4. The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Pharmaceutical Regulation (#18640). Dr. Laura Happe and Ms. Heather Steingraber will be present for discussion (Enclosure 4).

5. The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Pharmaceutical Value Assessment and Communications (#18641). Dr. Laura Happe and Ms. Heather Steingraber will be present for discussion (Enclosure 5).

DEGREE:

6. The College of Design, Construction and Planning seeks to close the Master of International Construction Management (M.I.C.M) degree (#18466). Dr. Ravi Srinivasan will be present for discussion (Enclosure 6).

COMBINATION DEGREE:

7. The College of Medicine seeks to create a combination degree program between the Bachelor of Science (B.S.) with a major in biochemistry-related programs including Biology, Chemistry, IDS in Biochemistry, Microbiology and Cell Science, and Nutritional Sciences and the Master of Science (M.S.) with a major in Biochemistry and Molecular Biology (#18510). Dr. Jörg Bungert will be present for discussion (Enclosure 7).

II.   INFORMATION ITEM / ADMINISTRATIVE ACTIONS:

8. Graduate Curriculum Committee – May Minutes and September Agenda. (Enclosure 8).

9. Graduate Programs – Distance or Self-Funded – No new items, but Dr. Jonathan Orsini will give a brief update from Teaching and Technology

10. Graduate Student Success Center

MEMBERS PRESENT: Dr. Linda Bloom, Dr. James Essegbey, Dr. Hitomi Greenslet, Dr. Tanya Koropeckyj-Cox, Dr. Corene Matyas, Dr. Timothy Murtha, Dr. K. Ramesh Reddy, Dr. Aner Sela, and Alexander Wong (GSC alternate)

MEMBERS ABSENT: Dr. Nicole Stedman (Chair), Dr. Monika Ardelt, Dr. J.C. Bunch, Dr. Cynthia Griffin, and Dr. Marta Wayne

GUESTS PRESENT: Dr. Carma Bylund (College of Medicine), Dr. Kara Casy (College of Agricultural and Life Sciences), Diana Hull (Office of the Registrar), Dr. David Kaber (Herbert Wertheim College of Engineering), Dr. Maria Leite (Academic Affairs), Dr. Mei Liu (College of Medicine), Matt Mitterko (College of Medicine), Ruth McIlhenny (Levin College of Law), Dr. Johnathan Orsini (Office of the Provost/Distance Learning), Dr. Tom Rowe (College of Medicine), Dr. Kenneth Sassaman (College of Liberal Arts and Sciences), Ashley Tidwell (Office of Admissions), and Dr. Joseph Wilson (Herbert Wertheim College of Engineering)

STAFF PRESENT: Dr. Tom Kelleher, Gann Enholm, Megan Lewis, Frankie Tai (Recording), Patty Van Wert, and Stacy Wallace

The meeting was called to order at 1:00 p.m.

Dr. Kelleher welcomed everyone to this month's meeting of the Graduate Council and gave a brief summary of the pending proposals to be presented to the Council.

I. **ACTION ITEMS:**

1. Minutes from the April 20, 2023 Graduate Council Meeting. A motion to approve was made, seconded, and passed unanimously.

   CERTIFICATES:

   Dr. Kelleher sought Council approval for consideration of three (3) items from the Herbert Wertheim College of Engineering as a package (2, 3, & 4). Council concurred.

2. The Herbert Wertheim College of Engineering seeks to create a graduate certificate in Financial Math and Optimization (#17891). Dr. David Kaber was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of fall 2023.

3. The Herbert Wertheim College of Engineering seeks to create a graduate certificate in Financial Risk Analysis and Management (#17914). Dr. David Kaber was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

4. The Herbert Wertheim College of Engineering seeks to create a graduate certificate in Financial Technology (#17881). Dr. David Kaber was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of fall 2023.

5. The College of Liberal Arts and Sciences seeks to create a graduate certificate in Public Archaeology (#17733). Dr. Kenneth Sassaman was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

6. The College of Agricultural and Life Sciences seeks to modify the curriculum for the graduate certificate in Tropical Agriculture (#18062). Dr. Kara Casy was present for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

CONCENTRATIONS:

Dr. Kelleher sought Council approval for consideration of two (2) items from the College of Medicine as a package (7 & 8). Council concurred.

7. The College of Medicine seeks to modify the curriculum for the graduate concentration in Biomedical Informatics for the Master of Science (M.S.) with a major in Medical Sciences (#18412). Dr. Tom Rowe, Dr. Carma Bylund, Dr. Mei Liu, and Matt Mitterko were present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of fall 2023.

8. The College of Medicine seeks to modify the curriculum for the graduate concentration in Biomedical Informatics for the Doctor of Philosophy (Ph.D.) with a major in Medical Sciences (#18424). Dr. Tom Rowe, Dr. Carma Bylund, Dr. Mei Liu, and Matt Mitterko were present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of fall 2023.

MAJOR:

9. The Herbert Wertheim College of Engineering seeks to modify the curriculum for the Master of Science (M.S.) with a major in Computer Science (#18464). Dr. Joseph Wilson was present for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

COMBINATION DEGREES:

Dr. Kelleher sought Council approval for consideration of four (4) items from the Levin College of Law as a package (10, 11, 12, & 13). Council concurred.

10. The Levin College of Law seeks to reaffirm the combination graduate/professional degree program between the Master of Accounting (M.Acc.) with a major in Accounting and the Juris Doctor (J.D.) with a major in Law (#18527). Ruth McIlhenny was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

11. The Levin College of Law seeks to reaffirm the combination graduate/professional degree program between the Master of Business Administration (M.B.A.) with a major in Business Administration and the Juris Doctor (J.D.) with a major in Law (#18528) Ruth McIlhenny was present (via Zoom)

for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

12. The Levin College of Law seeks to reaffirm the combination graduate/professional degree program between the Master of Science (M.S.) with a major in Finance and the Juris Doctor (J.D.) with a major in Law (#18529). Ruth McIlhenny was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

13. The Levin College of Law seeks to reaffirm the combination graduate/professional degree program between the Master of Science (M.S.) with a major in Real Estate and the Juris Doctor (J.D.) with a major in Law (#18530). Ruth McIlhenny was present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

II.   INFORMATION ITEM / ADMINISTRATIVE ACTIONS:

14. Graduate Curriculum Committee – April Minutes and May Agenda.

15. Update on the Graduate Council election 2023-2026
The two members selected by the Graduate Council are Dr. Connie Mulligan and Dr. Michael Martinez. The two members selected by the provost are Dr. Joni Williams Splet and Dr. Hitomi Greenslet

16. Graduate Programs – Distance or Self-Funded – No new items

III.   DISCUSSION ITEMS:

17. In-residence policy for Ph.D.
The current statement listed in the Graduate Catalog for "Campus Residence Requirement" was displayed alongside the proposed language revisions for an "Enrollment Requirement." Council members discussed additional edits to the statement. Dr. Kelleher will email the group the amended language for further review and a vote. (*See Addendum.*)

18. Stacked credentials
Dr. Orsini was available to share that the provost office is also beginning to discuss this topic. The group discussed transfer of credit and the admission process for a certificate versus a graduate program.

The meeting adjourned at 2:23 p.m.

ADDENDUM:
Between 6/15/23 and 6/20/23, an email vote was conducted regarding proposed changes to catalog language regarding the "Campus Residence Requirement" changing to "Enrollment Requirement," as discussed at the 5/18/23 meeting.

- Proposed: *"Enrollment Requirement.* The total number of credits (including 30 for a prior master's degree) that may be transferred cannot exceed 45, which means doctoral students must complete a minimum of 45 of 90 total credits required for the doctoral degree at the University of Florida. An academic unit or college may establish and monitor its own more-stringent requirement as desired."

- Deleted: "*Campus Residence Requirement. ~~Beyond the first 30 credits counted toward the doctoral degree, students must complete 30 credits enrolled at the University of Florida campus or at an approved branch station of the University of Florida Agricultural Experiment Stations or the Graduate Engineering and Research Center. An academic unit or college may establish and monitor its own more stringent requirement as desired.~~*"
- The catalog change was approved unanimously.

On 6/15/23, an electronic ballot was sent to Graduate Council members via https://voting.aa.ufl.edu/ with a voting period of 6/15/23 to 6/20/23. The ballot presented the following curriculum proposal:

- "The College of Engineering seeks to participate in the existing interdisciplinary concentration in Clinical and Translational Science for the Doctor of Philosophy (Ph.D.) with a major in Environmental Engineering Sciences. (https://secure.aa.ufl.edu/Approval/reports/18571)."
- This curriculum change passed unanimously, with a proposed effective date of earliest available.

Certificate|Close-Modify for request 18638

Info
Request: Modify the curriculum for the Applied Pharmacoeconomics graduate certificate
Description of request: The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Applied Pharmacoeconomics.
Submitter: Heather Steingraber hsteingraber@cop.ufl.edu
Created: 9/13/2023 11:57:28 AM
Form version: 3

Responses
Current Certificate Name

Applied Pharmacoeconomics

Effective Term
Select the requested term and year that the certificate change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after full approval.

Earliest Available

Effective Year

Earliest Available

Requested Action

Other (selecting this option will open additional form fields below)

Change Certificate Name?

No

Change Certificate Name on Transcript?

No

Change Credit Hours?

No

Change Certificate Description?

No

Change Certificate Prerequisites?

No

Change Certificate Requirements?

Yes

Current Requirements

We would like to change the specific course requirements for this certificate, but the number of credits will remain the same.

Current Certificate Requirements – 15 credits

PHA 6283: Comm Applications of Pharmacoecon Principles – 3 cr.
PHA 6806: Pharmacoeconomic Modelling – 3 cr.
PHA 6795: Quant Methods in Evidence-Based Pharmacy – 3 cr.

Choose two of the following:
PHA 6276: Pharmacy Benefit Design & Management – 3 cr.
PHA 6286: Pharmaceutical Microeconomics – 3 cr.
PHA 6287: Pharmaceutical Health Economics – 3 cr.
PHA 6186: Pharm Outcomes/Policy Found 1- 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2– 3 cr.
PHA 6793: Evidentiary Basis of Pharmaceutical Use – 3 cr.

Proposed Requirements

Choose 5 courses from the following list for a total of 15 credits. (All courses are letter-graded.)

PHA 6264: Pharmaceutical Health Technology Assessment – 3 cr.
PHA 6283: Introduction to Pharmacoeconomics – 3 cr.
PHA 6795: Quantitative Methods in Evidence-Based Pharmacy – 3 cr.
PHA 6806: Pharmacoeconomic Modelling – 3 cr.
PHA 6286: Pharmaceutical Microeconomics – 3 cr.

PHA 6186: Pharm Outcomes/Policy Found 1 * - 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2 * – 3 cr.

*Either of the two Foundations courses can be counted toward the certificate curriculum, but not both. Students without experience in pharmacy/health care are strongly encouraged to take one of the Foundations courses as their first course in the certificate.

Impact on Program

Our proposal, if approved, will result in our students having fewer choices in the courses they take to complete the graduate certificate in Applied Pharmacoeconomics. As a result, we will reduce variability in the skillsets of graduates.

Rationale for Proposed Change(s)

We expect that this change will ultimately help us to enhance the quality of our program. By reducing variability in coursework, we can more effectively focus on teaching specific concepts and skills that our stakeholders and alumni have identified as important in the pharmaceutical workforce.

Assessment Data Review
Describe the Student Learning Outcome and/or program goal data that was reviewed to support the proposed changes.

Although student passing rates on SLO assessments are steady, our faculty have found that some elements of the student's skill sets vary. The changes will reduce that variability so that all graduates will have similar core skills.

Academic Assessment Plan Changes
Describe the modifications to the Academic Assessment Plan that result from the proposed change. These changes must be approved by the Academic Assessment Committee. A separate request must be completed for this, which can be found here: https://approval.ufl.edu/start-new-request/modify-aapslo-gradpro/

No changes. The measures in our current assessment plan will remain valid under the new requirements.

Certificate|Close-Modify for request 18639

Info
Request: Modify the curriculum for the Managed Care Pharmacy Systems graduate certificate
Description of request: The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Managed Care Pharmacy Systems.
Submitter: Heather Steingraber hsteingraber@cop.ufl.edu
Created: 9/13/2023 12:02:00 PM
Form version: 4

Responses
Current Certificate Name

Managed Care Pharmacy Systems

Effective Term
Select the requested term and year that the certificate change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after full approval.

Earliest Available

Effective Year

Earliest Available

Requested Action

Other (selecting this option will open additional form fields below)

Change Certificate Name?

No

Change Certificate Name on Transcript?

No

Change Credit Hours?

No

Change Certificate Description?

No

Change Certificate Prerequisites?

No

Change Certificate Requirements?

Yes

Current Requirements

We would like to change the specific course requirements for this certificate, but the number of credits will remain the same.

Certificate Requirements – 15 total credits

PHA 6283: Comm Apps of Pharmacoecon Principles – 3 cr.
PHA 6276: Pharmacy Benefit Design & Management – 3 cr.
PHA 6213: Advanced Case Studies in Managed Care Pharmacy – 3 cr.
PHA 6211: Applied Pharmacy Benefit Design – 3 cr.

Choose one of the following:
PHA 6286: Pharmaceutical Microeconomics – 3cr.
PHA 6287: Pharmaceutical Health Economics – 3cr.
PHA 6793: Evidentiary Basis of Pharmaceutical Use – 3 cr.
PHA 6795: Quantitative Methods in Evidence-Based Pharmacy – 3 cr.
PHA 6186: Pharm Outcomes/Policy Found 1– 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2– 3 cr.

Proposed Requirements

Choose 5 courses from the following list for 15 total credits. (All courses are letter-graded.)

PHA 6211: Applied Pharmacy Benefit Design – 3 cr.
PHA 6213: Advanced Case Studies in Managed Care Pharmacy – 3 cr.
PHA 6276: Pharmacy Benefit Design & Management – 3 cr.
PHA 6283: Introduction to Pharmacoeconomics – 3 cr.
PHA 6793: Evidentiary Basis of Pharmaceutical Use – 3 cr.

PHA 6186: Pharm Outcomes/Policy Found 1* – 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2* – 3 cr.

*Either of the two Foundations courses can be counted toward the certificate curriculum, but not both. Students without experience in pharmacy/health care are strongly encouraged to take one of the Foundations courses as their first course in the certificate.

Impact on Program

Our proposal, if approved, will result in our students having fewer choices in the courses they take to complete the graduate certificate in Managed Care Pharmacy Systems. As a result, we will reduce variability in the skillsets of graduates.

Rationale for Proposed Change(s)

We expect that this change will ultimately help us to enhance the quality of our program. By reducing variability in coursework, we can more effectively focus on teaching specific concepts and skills that our stakeholders and alumni have identified as important in the pharmaceutical workforce.

Assessment Data Review
Describe the Student Learning Outcome and/or program goal data that was reviewed to support the proposed changes.

Although student passing rates on SLO assessments are steady, our faculty have found that some elements of the students' skill sets vary. The changes will reduce that variability so that all graduates will have similar core skills.

Academic Assessment Plan Changes
Describe the modifications to the Academic Assessment Plan that result from the proposed change. These changes must be approved by the Academic Assessment Committee. A separate request must be completed for this, which can be found here: https://approval.ufl.edu/start-new-request/modify-aapslo-gradpro/

No changes. The measures in our current assessment plan will remain valid under the new requirements.

Certificate|Close-Modify for request 18640

Info
Request: Modify the curriculum of the Pharmaceutical Regulation graduate certificate
Description of request: The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Pharmaceutical Regulation.
Submitter: Heather Steingraber hsteingraber@cop.ufl.edu
Created: 9/13/2023 12:04:26 PM
Form version: 4

Responses
Current Certificate Name

Pharmaceutical Regulation

Effective Term
Select the requested term and year that the certificate change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after full approval.

Earliest Available

Effective Year

Earliest Available

Requested Action

Other (selecting this option will open additional form fields below)

Change Certificate Name?

No

Change Certificate Name on Transcript?

No

Change Credit Hours?

No

Change Certificate Description?

No

Change Certificate Prerequisites?

No

Change Certificate Requirements?

Yes

Current Requirements

We would like to change the specific course requirements for this certificate, but the number of credits will remain the same.

Certificate Requirements – 15 total credits

PHA 6274: Federal Regulation of Drugs and Pharmacy – 3 cr.
PHA 6273: Structure, Processand Outcomes of Regulation– 3 cr.
PHA 6275: Federal Regulation of Controlled Substances – 3 cr.

Take two of the following:
PHA 6278: State Regulation of Drugs and Pharmacy – 3 cr.
PHA 6276: Pharmacy Benefit Design & Management – 3 cr.
PHA 6280: Medicare and Medicaid – 3 cr.
PHA 6277: Ethics in Drug Development Production and Use– 3 cr.
PHA 6269: Pharmaceutical Products and Public Policy – 3 cr.
PHA 6186: Pharm Outcomes/Policy Found 1– 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2– 3 cr.

Proposed Requirements

Choose 5 courses from the following list for a total of 15 credits. (All courses are letter-graded.)

PHA 6269: Pharmaceutical Products and Public Policy – 3 cr.
PHA 6273: Structure, Process and Outcomes of Regulation 1– 3 cr.
PHA 6274: Federal Regulation of Drugs and Pharmacy – 3 cr.
PHA 6275: Federal Regulation of Controlled Substances – 3 cr.
PHA 6280: Medicare and Medicaid – 3 cr.

PHA 6186: Pharm Outcomes/Policy Found 1* – 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2* – 3 cr.

*Either of the two Foundations courses can be counted toward the certificate curriculum, but not both. Students without experience in pharmacy/health care are strongly encouraged to take one of the Foundations courses as their first course in the certificate

Impact on Program

Our proposal, if approved, will result in our students having fewer choices in the courses they take to complete the graduate certificate in Pharmaceutical Regulation. As a result, we will reduce variability in the skillsets of graduates.

Rationale for Proposed Change(s)

We expect that this change will ultimately help us to enhance the quality of our program. By reducing variability in coursework, we can more effectively focus on teaching specific concepts and skills that our stakeholders and alumni have identified as important in the pharmaceutical workforce.

Assessment Data Review
Describe the Student Learning Outcome and/or program goal data that was reviewed to support the proposed changes.

Although student passing rates on SLO assessments are steady, our faculty have found that some elements of the students' skill sets vary. The changes will reduce that variability so that all graduates will have similar core skills.

Academic Assessment Plan Changes
Describe the modifications to the Academic Assessment Plan that result from the proposed change. These changes must be approved by the Academic Assessment Committee. A separate request must be completed for this, which can be found here: https://approval.ufl.edu/start-new-request/modify-aapslo-gradpro/

No changes. The measures in our current assessment plan will remain valid under the new requirements.

Certificate|Close-Modify for request 18641

Info
Request: Modify the curriculum of the Pharmaceutical Value Assessment and Communications graduate certificate
Description of request: The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Pharmaceutical Value Assessment and Communications.
Submitter: Heather Steingraber hsteingraber@cop.ufl.edu
Created: 9/13/2023 12:05:53 PM
Form version: 4

Responses
Current Certificate Name

Pharmaceutical Value Assessment & Communications

Effective Term
Select the requested term and year that the certificate change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after full approval.

Earliest Available

Effective Year

Earliest Available

Requested Action

Other (selecting this option will open additional form fields below)

Change Certificate Name?

No

Change Certificate Name on Transcript?

No

Change Credit Hours?

Yes

Current Credit Hours

more than 12 (please detail in description how many credits)

Proposed Credit Hours

more than 12 (please detail in description how many credits)

Change Certificate Description?

No

Change Certificate Prerequisites?

No

Change Certificate Requirements?

Yes

Current Requirements

We would like to change the specific course requirements for this certificate, which will result in a change in the total number of credits for the certificate, from 16 cr. to 15 cr. (One of the old courses was 4 cr, but all of the new courses are 3 cr.)

Certificate Requirements – 16 total credits

PHA 6793: Evidentiary Basis in Pharmaceutical Use – 3 cr.
PHA 6797: Applied Pharmaceutical Research Communications – 3 cr.
PHA 6791: Systematic Reviews and Meta-Analysis in Pharmaceutical Interventions - 3 cr.
MMC 6456: Data Storytelling and Visualization – 4 cr.
MMC 5435: Messaging Strategy and the Centrality of the Value Proposition – 3 cr.

Proposed Requirements

Choose 5 courses from the following list for a total of 15 credits. (All courses are letter-graded.)

PHA 6264: Pharmaceutical Health Technology Assessment – 3 cr.
PHA 6791: Systematic Reviews and Meta-Analysis for Pharmaceutical Interventions- 3 cr.
PHA 6793: Evidentiary Basis in Pharmaceutical Use – 3 cr.
PHA 6797: Applied Pharmaceutical Research Communications – 3 cr.
PHA 6935: Principles of Biomedical Peer-Reviewed Publishing (Special Topics) – 3 cr.

PHA 6186: Pharm Outcomes/Policy Found 1* – 3 cr.
PHA 6187: Pharm Outcomes/Policy Found 2* – 3 cr.

*Either of the two Foundations courses can be counted toward the certificate curriculum, but not both. Students without experience in pharmacy/health care are strongly encouraged to take one of the Foundations courses as their first course in the certificate

Impact on Program

Our proposal, if approved, will result in our students having fewer choices in the courses they take to complete the graduate certificate in Pharmaceutical Value Assessment and Communications. As a result, we will reduce variability in the skillsets of graduates.

Rationale for Proposed Change(s)

We expect that this change will ultimately help us to enhance the quality of our program. By reducing variability in coursework, we can more effectively focus on teaching specific concepts and skills that our stakeholders and alumni have identified as important in the pharmaceutical workforce.

Assessment Data Review
Describe the Student Learning Outcome and/or program goal data that was reviewed to support the proposed changes.

Although student passing rates on SLO assessments are steady, our faculty have found that some elements of the students' skill sets vary. The changes will reduce that variability so that all graduates will have a similar set of core skills.

Academic Assessment Plan Changes
Describe the modifications to the Academic Assessment Plan that result from the proposed change. These changes must be approved by the Academic Assessment Committee. A separate request must be completed for this, which can be found here: https://approval.ufl.edu/start-new-request/modify-aapslo-gradpro/

No changes. The measures in our current assessment plan will remain valid under the new requirements.

![State University System of Florida logo]

STATE UNIVERSITY
SYSTEM OF FLORIDA

Board of Governors, State University System of Florida
ACADEMIC DEGREE PROGRAM TERMINATION FORM
In Accordance with BOG Regulation 8.012

INSTITUTION: University of Florida

PROGRAM NAME: Master of International Construction Management (M.I.C.M.)

DEGREE LEVEL(S): Master   **CIP CODE:** 15.9999
(B., M., Ph.D., Ed.D., etc.)   (Classification of Instructional Programs)

ANTICIPATED TERMINATION TERM: Spring 2023

(First term when no new students will be accepted into the program)

ANTICIPATED PHASE-OUT TERM: Spring 2025

 (First term when no student data will be reported for this program)

Please use this form for academic program termination. The form should be approved by the University Board of Trustees (UBOT) prior to submission to the Board of Governors, State University System of Florida for consideration. Please fill out this form completely for each program to be terminated in order for your request to be processed as quickly as possible. Attach additional pages as necessary to provide a complete response. In the case of baccalaureate or master's degree programs, the UBOT may approve termination in accordance with BOG Regulation 8.012, and submit this form to the Board of Governors, Office of Academic and Student Affairs. For doctoral level programs, please submit this form with all appropriate signatures for Board of Governor's consideration. The issues outlined below should be examined by the UBOT when approving program terminations.

---

1. Provide a narrative rationale for the request to terminate the program.

1. Low enrollment. The program has had less than twenty active students for several consecutive years. Currently, there are nine students in the program's two majors (International Construction Management and Construction Productivity).
2. Low graduation rates. The program has graduated fewer than four students per year from 2018 to 2021. In 2017, the program graduated nine students.
3. Maintenance of prerecorded content. The program is an asynchronous Online

program that requires professors to record content for students to view when they can. Due to the time it takes to make good recordings, the courses have often gone several years without updates.

2. **Indicate on which campus(es) the program is being offered and the extent to which the proposed termination has had or will have an impact on enrollment, enrollment planning, and/or the reallocation of resources.**

This is an Online program. Due to the low enrollment, terminating this program will not have an impact on enrollment planning or resources.

3. **Explain how the university intends to accommodate any students or faculty who are currently active in the program scheduled to be terminated. State what steps have been taken to inform students and faculty of the intent to terminate the program.**

Closing the program in Spring 2025 allows enough time for all of the current students in it to finish their degrees. The faculty was informed at the Fall 2022 M.E. Rinker, Sr. School of Construction Management faculty meeting. The students will be informed via email once the closure of the program is official.

4. **Please provide the date when the teach-out plan was submitted to SACSCOC. Include a copy of the notification letter with your submission.**
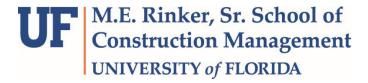
The teach-out plan is being submitted concurrently. Please see attached the notification letter on page four.

5. **Provide data (and cite sources) on the gender and racial distribution of students in and faculty affiliated with the program. For faculty, also list the rank and tenure status of all affected individuals.**

The program has two active female students out of the nine total (cf. UF Graduate Information Management system). The program has one Hispanic student, four non-resident aliens, three white non-Hispanic (includes Middle Eastern people) students, and one student whose race is not reported (cf. UF Graduate Information Management system). The following professors teach ICM-prefix courses:
1. Robert Ries, full professor, white, male
2. R. Raymond Issa, full professor, white, male
3. Ian Flood, full professor, white, male
4. Ravi Srinivasan, associate professor, Asian, male
5. Russell Walters, lecturer, white, male

Form Updated October 2019

6. Identify any potential negative impact of the proposed action on the current representation of females, minorities, faculty, and students in the program.

None

7. If this is a baccalaureate program, please explain how and when the Florida College System (FCS) institutions have been notified of its termination so that students can be notified accordingly.

Not applicable

[signature]	April 5, 2023
Requestor/Initiator	Date
Signature of Campus EO Officer	Date
Signature of College Dean	Date
Signature of President or Vice President for Academic Affairs	Date
Signature of Chair of the Board of Trustees	Date
Date Approved by the Board of Trustees	

Form Updated October 2019

April 5, 2023

Dear International Construction Management student,

Due to the lack of popularity of the ICM program, and the difficulty of maintaining prerecorded contents, the Rinker School of Construction Management has decided to terminate the ICM program. We are committed to assisting you finish your degree and/or certificate before that officially takes effect at the end of Fall Semester 2024. Therefore, we encourage you to make a Zoom appointment with your academic advisor, Mr. Joseph J. Carroll, to create or update a plan of study that allows you to graduate by December 2024.

Sincerely,

Ravi Shankar Srinivasan, PhD
Director of Graduate Programs and Research

Degree|New|CombinationDegree/UgradGrad for request 18510

Info
Request: Bachelor of Science with a major in biochemistry-related programs (Biology, Chemistry, IDS in Biochemistry, Microbiology and Cell Sciences, Nutritional Sciences)/Master of Science in Biochemistry and Molecular Biology Combination Degree.
Description of request: The College of Medicine seeks to create a combination degree program between the Bachelor of Science (B.S.) with a major in biochemistry-related programs including Biology, Chemistry, IDS in Biochemistry, Microbiology and Cell Science, and Nutritional Sciences, and the Master of Science (M.S.) with a major in Biochemistry and Molecular Biology.
Submitter: Jorg Bungert jbungert@ufl.edu
Created: 8/31/2023 1:16:05 PM
Form version: 2

Responses
Department Name (Undergraduate Degree Program)
Enter the name of the department offering the undergraduate degree program.

Departments with undergraduate degree programs in biochemistry-related disciplines meeting the required prerequisites.

College Name (Undergraduate Degree Program)
Enter the complete name for the college/school for the department listed above.

College of Liberal Arts and Sciences/College of Agricultural and Life Sciences

Major Name (Undergraduate Degree Program)
Enter the name of the undergraduate degree program (e.g., Bachelor of Arts in History).

Any biochemistry-related major meeting the required prerequisite.

Major Code (Undergraduate Degree Program)
Enter the major code of the undergraduate degree program (e.g., HY).

Any

Department Name (Graduate Degree Program)
Enter the name of the department offering the graduate degree program.

Biochemistry and Molecular Biology

College Name (Graduate Degree Program)
Enter the complete name for the college/school for the department listed above.

College of Medicine

Major Name (Graduate Degree Program)
Enter the name of the graduate degree program (e.g., Master of Arts in History).

Master of Science with a major in Biochemistry and Molecular Biology

Major Code (Graduate Degree Program)
Enter the major code of the graduate degree program (e.g., HY).

BMB

Effective Term
Enter the term (semester and year) that students would first be admitted to the program.

Earliest Available

Effective Year

Earliest Available

What is the rationale for proposing this Combination Degree?

The combination degree has been in place since 2007. The combination bachelor's/master's degree in Biochemistry and Molecular Biology (BMB) program is available to qualified undergraduate students from any college and major who have an interest in working in the research field of Biochemistry and Molecular Biology. The combination degree program provides undergraduate students with the opportunity to take graduate-level courses and conduct research with a BMB-associated laboratory while completing their undergraduate degree. After completing the undergraduate degree, the students will continue to work towards a thesis-based master's degree. We wish to make this program available to any exceptional undergraduate student on campus with interest and expertise in biochemistry and molecular biology, including pre-med students and students from the IDS (interdisciplinary science) program. Obtaining the combination BS/MS degree will increase the chances of the students to obtain leadership role positions in biotech or to get into exceptional and competitive MD, PhD, or MD-PhD programs.

What are the benefits of establishing this program?

The undergraduate students enrolled in this program will enhance their knowledge and skills by taking graduate-level courses in Biochemistry and Molecular Biology. Through the combination degree program, students will learn how to conduct research, read literature and relate it to their research project, and be productive members of a team of investigators. The BS/MS BMB program is rigorous and prepares students for highly competitive professional careers in academia or biotech. This program offers experiences for UF undergraduate students to engage in research as part of their curriculum. Furthermore, the combination degree program will allow retention of outstanding undergraduate students who may decide to continue with a PhD, MD-PhD, or other professional programs offered at UF.

Double-counted credits and Degree Requirements
How will double-counted credits meet the requirements of both degrees? Please note both undergraduate and graduate degree requirements.

The Undergraduate Advisor and BMB Graduate Coordinator will agree on up to 12 graduate credits that can count toward both the undergraduate and graduate degrees. These graduate-level credits must be letter-graded and earned with a grade of B or higher to count toward the

graduate degree portion of this combination degree program. Shared graduate-level BMB courses that may be double-counted include research credits (BCH6905, which is letter graded) and advanced 5000 or above level classes (BCH5413, Mammalian Molecular Biology and Genetics; BCH6415, Advanced Molecular and Cell Biology; BCH6206, Advanced Metabolism; or BCH6740, Structural Biology/Advanced Physical Biochemistry). In order to obtain the BS degree, students must adhere to the college and major requirements for the remaining 108 (of the total 120) undergraduate credits required for graduation.

To complete a total number of 30 credits for the master's degree, students need 12 academic credits and 18 credits of research and journal club, which students are required to participate in each semester (1 credit each). The master's student will establish a supervisory committee composed of the mentor and two additional faculty members (one of whom can be outside of the biochemistry concentration), which will meet twice per year. One of the faculty members can be outside of the biochemistry concentration. The final assessment will be based on the written master's thesis, the oral presentation, and the final examination by the supervisory committee.

Coherent Course of Study
How does the Combination degree program present a coherent course of study? Please explain how the combination program maintains a logical, sequential course of study that maintains both the integrity of the undergraduate 8-semester plan and the graduate course of study.

Regardless of the undergraduate major, applicants to this program will usually have taken BCH4024 (Introduction to Biochemistry and Molecular Biology) before entering the senior year. Students accepted into the combination program have an interest in deepening their knowledge in Biochemistry and Molecular Biology. The advanced BMB courses available to the students during the final year of college will provide a deeper understanding of biochemical and molecular processes in the life sciences and will also engage the students in reading and discussing the current literature. The goal of the research training is to introduce students to specific experimental systems, to demonstrate how to set up experiments including controls, and to teach them how to interpret data and view them in a larger context. By the end of the final year of undergraduate education, students should be able to conduct research in an independent manner and be well-prepared for graduate school.

Meeting Degree Requirements
Please describe the process used to determine the meeting of requirements for both degrees as a coherent course of study for students.

Ideally, students start planning for the combination degree program in their sophomore or early junior year in college. The students will meet with the undergraduate advisor to identify courses that will count toward the undergraduate and BMB master's degrees in their final year.

Students also need to identify a primary research mentor associated with the BMB concentration before starting the final year of undergraduate education. The master's program coordinator will assist in identifying graduate-level courses appropriate for the BMB master's program and in selecting a research mentor.

After earning the BS degree, the combination degree students' credentials will be reviewed, and students must fulfill the requirements for the graduate school to be accepted into the BMB master's program. This involves:

1. Obtaining a BS degree with a GPA of 3.0 or above.
2. Selection of a research mentor.
3. Applying for graduate school and paying application fees by the posted deadlines.
4. Have no conduct flags that would disqualify them for graduate admission.
5. Obtain at least a B in the graduate-level courses taken in the final year.
6. A GRE score above 300.
7. Submit Information for Residency Classification when applying to the graduate school.

Student Qualifications

How are students determined to be academically qualified for this Combination program?
Please describe the additional criteria used to select students for this combination program beyond the GPA. These include but are not limited to:
(a) faculty recommendations
(b) student performance on external examinations
(c) evidence such as portfolios, recordings, software programs, created or creative works
(d) any other indicators of the students' potential for success

To be accepted into the combination BS/MS BMB master's program, the student will need:
1. An upper-division GPA of 3.0 or above.
2. Acceptance into a laboratory by a BMB faculty member.
3. Interview with the BMB master's program coordinator.
4. Submission of the combination degree request form during the junior or senior year.

Eligibility Requirements

Please provide the specific admissions requirements for this program, including but not limited to the minimum GPA, GRE score (when appropriate), the application procedures, and the eligibility period when a student may apply for this program.

Eligibility Period
Students usually apply for the combination degree in their junior year and for final acceptance into the master's Program after earning the BS degree.

Application Procedure
The application for the combination degree program begins with a meeting between the applicant and the undergraduate student advisor to identify courses that count towards both undergraduate and graduate degrees. The applicant meets with the master's program coordinator to discuss courses required for the MS program and to identify a research mentor. During the interview with the master's coordinator, the applicant will answer questions related to academic background, why the applicant wants to pursue the combination degree, and what areas of research the applicant would like to focus on.
The application for the BMB master's program involves the submission of the following documents:
1. Personal Statement: The applicant should describe any background in science education, should describe previous research experience if applicable, and should identify areas of research available in the BMB department that the student may be interested in pursuing.
2. CV or Resume.
3. Undergraduate Transcripts: Foundational chemistry, statistics, and biology courses are required.
4. GRE test results.

5. Letters of recommendation: The applicant should ask the faculty with whom they have interacted to provide letters of recommendation. These letters should provide an evaluation of the academic and research potential of the applicant.

Admissions Requirement
The BMB master's program has the following admissions standards.
1. GPA of 3.0 and above.
2. GRE: A combined verbal and quantitative score of 300 or above.
3. Foundational courses in chemistry, biology, and statistics.
4. Positive letters of recommendation.
5. Identification of a research mentor who is a member of the BMB graduate program concentration.

Is this combination degree double-counting 12 or fewer credits?

Yes

Double-counted Credit Justification
Provide a justification of the number of double-counted credits.
Please explain how the double-counted credits do not compromise the integrity and quality of the combined programs and enable students to meet each program's learning outcomes at no loss of fidelity.

Students may double-count up to 12 credits. This usually involves 6 research credits (BCH6905; 3 per semester) and 6 academic credits (3 per semester). The research and academic credits will substitute for undergraduate courses and will count towards both the undergraduate and BMB master's degrees. The double-counting of credits will not compromise the integrity and quality of the combination programs. Taking graduate-level courses and conducting graduate-level research using credits that count towards the BS degree will enhance the student's ability to get into competitive graduate programs, especially those that are research-focused.
With respect to the BMB master's program, the double-counting of letter-graded graduate-level credits earned with a grade of B or better will allow the combination degree student to complete one year's worth of MS program credits in the final year of undergraduate studies, which accelerates the completion of the BMB master's degree in just one additional year.

Impacts on Other Programs
Describe any potential impact on other programs or departments, including increased need for general education or common prerequisite courses, or increased need for required or elective courses outside of the existing program.

There is a potentially positive impact on UF PhD or MD-PhD programs, including the Medical Sciences PhD program and the UF Genetics and Genomics PhD program. The most outstanding master's program students will be in a good position to continue training in competitive PhD or MD-PhD programs at UF.

Graduate Curriculum Committee

Minutes

May 11, 2023
Meeting Materials

Voting Conducted
via Zoom

I. Presentation and review of the Minutes from the April Meeting of the Graduate Curriculum Committee (GCC).

II. Update(s) to the Committee: The following was reviewed by the Graduate Curriculum Committee (GCC) previously. The GCC felt further follow-up and/or clarifications were necessary before the proposals could move forward to the University Curriculum Committee (UCC). Suggestions and/or follow-up required are noted below the proposals.

There are no updates to present at this time.

III. Course Change Proposals: The following proposals are newly requested revisions to existing courses already within the current course catalog in curriculum inventory. The changes requested are listed below each of the proposals.

COP - Pharmaceutical Outcomes and Policy

1. PHA 6273   *Structure, Process, and Outcomes of Regulation I*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18496

   Proposal has been approved by the GCC with a note to correct the syllabus provided to students.

COP - Pharmacotherapy and Translational Research

2. PHA 6427   *Pharmacogenetics of Drug Metabolism and Transport*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18477

   Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

COP - Pharmaceutics

3. PHA 6740   *Fundamentals of Grant Writing in the Pharm Sciences*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18476

   Proposal has been approved by the GCC.

IV. New Course Proposal(s) from the University Curriculum Committee: The following are newly requested course proposals that were presented at the April UCC meeting. Proposed course titles and descriptions are listed below.

ENG – Agricultural and Biological Engineering

   1. *ABE 5XXX Controlled Environment Agriculture Principles and Practices*
      Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17826

      Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

V.   New Course Proposal(s) (with attached syllabi): The following are newly requested course proposals. Proposed course titles and descriptions are listed below. Syllabi have been included with these new course requests, at the request of GCC Members.

HHP – Applied Physiology and Kinesiology

   1. APK 5XXXC   *Clinical Anatomy for the Exercise Sciences*

      Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17267

      Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

ENG – Civil and Coastal Engineering

   2. CEG 6XXX   *Nondestructive Testing and Geophysical Methods*
      Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18281

      Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

ENG – Computer and Information Science and Engineering

   3. CEN 5XXX   *Human-Centered Input Recognition Algorithms*
      Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17427

      Proposal has been conditionally approved. Once revised, the results will be shared with GCC Members before approval.

   4. CIS 6XXXC   *Cyber-physical System Security*
      Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17805

      Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

ENG – Chemical Engineering

5. ECH 6XXX   *Chemical Process Data Science*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17311

   Proposal has been conditionally approved. Once revised, the results will be shared with GCC Members before approval.

SFRC – Fisheries, Aquatic Sciences, and Geomatics

6. FAS 6XXX   *Marine Protected Areas*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18280

   Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

CLAS – Geography

7. GEO 6XXX   *Community Conservation Governance: Theory and Practice*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18453

   Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

8. GEO 6XXX   *Wildlife Economy and Policy: The Governance and Economics of Wildlife on Working Landscapes*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18454

   Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

MED – Neuroscience

9. GMS 5XXX   *Ticket to Ride as a Neuroscience PhD Graduate Student*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18483

   Proposal has been conditionally approved. Once revised, the results will be shared with GCC Members before approval.

10. GMS 6XXX   *Statistics for Neuroscientists*
    Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18288

    Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

MED – Molecular Genetics and Microbiology

    11. GMS 6109   *Advanced Bacteriology*
        Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18107

        Proposal has been conditionally approved. Once revised, the results will be shared with GCC Members before approval.

CALS – Microbiology and Cell Science

    12. MCB 6XXX   *Careers for Impact in Microbiology and Cell Science*
        Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18379

        Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

    13. MCB 6XXX   *Innovation Project Management for Life Sciences*
        Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18381

        Proposal has been conditionally approved. Once revised, the proposal can be administratively approved without further review by the GCC.

VM - Physiological Sciences

    14. VME 6XXX   *New Approach Methodologies in Toxicology*
        Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17827

        Proposal has been conditionally approved. Once revised, the results will be shared with GCC Members before approval.

VI.   Information Items:

1. ANS 6312C – 18216 – Change to course title, description, and credit hours from 4 to 3
2. ECH 6843 – 17312 – Change to course title and description
3. ECO 7938 – 18334 – Change maximum repeatable credit from 8 to 20
4. EIN 6905 – 18413 – Change maximum repeatable credit from 9 to 15
5. ENU 5142 – 18269 – Change to course title, description, and pre-requisites
6. FIN 7938 – 18299 – Change maximum repeatable credit from 7 to 30
7. GEO 6706 – 18410 – Change to course title and description
8. PHI 6639 – 18406 – Change maximum repeatable credit from 6 to 18
9. PHI 6905 – 18407 – Change maximum repeatable credit from 9 to 12
10. PHI 7979 – 18408 – Change variable credit from 1-12 to 1-6 and the maximum repeatable credit from unlimited to 12
11. SPM 5206 – 18323 – Transfer of course ownership from APK to Sport Management

12. [SPM 5309](#) – 18324 – Transfer of course ownership from APK to Sport Management
13. [SPM 5506](#) – 18326 – Transfer of course ownership from APK to Sport Management
14. [SPM 6036](#) – 18327 – Transfer of course ownership from APK to Sport Management
15. [SPM 6106](#) – 18328 – Transfer of course ownership from APK to Sport Management
16. [SPM 6158](#) – 18329 – Transfer of course ownership from APK to Sport Management
17. [SPM 6726](#) – 18330 – Transfer of course ownership from APK to Sport Management

Graduate Curriculum Committee

Agenda

September 14, 2023
Meeting Materials

Voting Conducted
via Zoom

I. Presentation and review of the Minutes from the May Meeting of the Graduate Curriculum Committee (GCC).

II. Update(s) to the Committee: The following was reviewed by the Graduate Curriculum Committee (GCC) previously. The GCC felt further follow-up and/or clarifications were necessary before the proposals could move forward to the University Curriculum Committee (UCC). Suggestions and/or follow-up required are noted below the proposals.

MED – Neuroscience

1. GMS 5XXX   *Navigating the Neuroscience PhD Program*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18483

   GCC requested revisions to the course title, course description, and course objectives. There were also concerns about the selected text. The Committee requested to re-review this proposal once revised. The unit has since revised the attached submission materials, attached here.

VM – Graduate Studies Committee

2. VME 6XXX   *New Approach Methodologies in Toxicology*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17827

   GCC requested revisions to the course title, course description, objectives, assignment descriptions, and grading rubric. The Committee requested to re-review this proposal once revised. The unit has since revised the attached submission materials, attached here.

III. Course Change Proposals: The following proposals are newly requested revisions to existing courses already within the current course catalog in curriculum inventory. The changes requested are listed below each of the proposals.

MED – Neuroscience COP - Pharmaceutical Outcomes and Policy

1. GMS 6022   *Principles of Neurophysiology*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18547

   This is a request to change the credit hours from 3 to 2.

2. GMS 6701   *Functional and Comparative Neuroanatomy for Professionals*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18545

   This is a request to change the credit hours from 5 to 3.

COP – Pharmaceutical Outcomes and Policy

3. PHA 6279   *Pharmaceutical Outcomes and Policy Seminar*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18654

   This is a request to change the course to a capstone and update the course title from "Pharmaceutical Outcomes and Policy Seminar" to "Pharmaceutical Outcomes and Policy Capstone". They also request to change the credit hours, description, objectives, and prerequisites.

IV. New 5XXX Course Proposal(s) (with attached syllabi): The following are newly requested course proposals. Proposed course titles and descriptions are listed below. Syllabi have been included with these new course requests, at the request of GCC Members.

MED - Biochemistry and Molecular Biology

1. BCH 5206   *Medical Metabolism*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18717

   Metabolism will be taught in the context of medical situations. Lecture material will cover basic concepts in carbohydrate, lipid, and nitrogen metabolism. Students will enhance their understanding of human metabolism by applying their knowledge to the analysis and discussion of clinical case studies and primary literature with the metabolism field.

2. BCH 5930   *Journal Colloquy*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18718

   A one (1) credit online course in which primary literature articles in translational medicine will be assigned for reading and discussion. Homework questions and discussion board post will be used to determine student mastery of the material.

V. New Course Proposal(s) (with attached syllabi): The following are newly requested course proposals. Proposed course titles and descriptions are listed below. Syllabi have been included with these new course requests, at the request of GCC Members.

COE – School of Human Development and Organizational Studies in Education

1. EDF 7XXX   *AI for Evaluation in Educational Environments*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18367

   This course provides knowledge and skills to implement AI methods to evaluate the effectiveness of educational programs and policies, investigate variability in program effects across groups and contexts, and optimize the matching of educational experiences to students.

2. EDH 6XXX   *Academic and Student Affairs Collaborations*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18395

   Explores high impact partnerships between academic and student affairs that contribute to student learning and retention. Examines student characteristics and institutional contexts that correlate with student persistence to design and evaluate learning experiences for students.

3. EDH 6XXX   *Coaching Models for Student Success in Higher Education*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18396

   Introduces techniques and methods for coaching, mentoring, and supporting student success in higher education, including but not limited to, academic coaching, life/career coaching, and wellness coaching. Explores skills to assess, design, implement, and evaluate effective coaching models and interventions.

ENG – Nuclear and Radiological Engineering

4. ENU 6XXX   *Advanced Radiation Measurement Laboratory*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18260

   Advanced radiation detection methods and applications in the fields of nuclear safeguards, dosimetry, and nuclear medicine. Coverage of radiological non-destructive assay methods for materials control and accountability. Hands-on experience on state-of-the-art radiation detection instrumentation.

5. ENU 6XXX   *Power Plant Simulation*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18266

   Instruction and practical experience in the operation and interpretation of results from major nuclear reactor simulation codes such as TRACE, RELAP5, RETRAN, CATHARE, and SAM.

CALS – Entomology and Nematology

6. ENY 6941   *Practical Work Experience*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18460

   Firsthand, authentic work experience in Entomology or Nematology under the supervision of a faculty member and workplace supervisor. Projects vary depending upon the program requirements.

SFRC – Forest Resources and Conservation

7. FOR 6XXX   *Management and Restoration of Invaded Ecosystems*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17550

   This online course begins with an overview of the ecological basis for plant invasions in terrestrial ecosystems, with emphasis on applications for restoration and management of invaded ecosystems. Methods and techniques for prediction, prevention, control, and restoration will be discussed, and plant invasions from Florida and around the U.S. will be used as case studies. This course focuses heavily on applying scientific theory and research to on-the-ground management.

8. FOR 6XXXC   *Urban Forestry*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18372

   Explores the nature, scope and components of the urban forest, including biology, culture, protection and aspects of management, planning and policy.

CALS – Microbiology and Cell Science

9. MCB 6937   *AI in Agricultural and Life Sciences*
   Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17091

   Artificial intelligence (AI) is used to solve problems in research and industry. This course provides students with an understanding of AI systems and how they can be applied to answer challenging questions in life sciences. Through online study materials and hands on exercises, students will obtain the skills and knowledge they need to use AI to solve real world life sciences problems.

JOU – Mass Communication

10. MMC 6XXX   *Academic Writing*
    Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18566

This course is designed to provide graduate students with practical knowledge and skills in various academic writing formats. The course focuses on three types of academic writing products: 1) research writing, 2) other publication writing, and 3) career/professional development materials, including but not limited to social scientific research papers, extended abstracts, conference presentations, letters to journal editors, responses to reviewers, and IRB protocols.

11. MMC 6XXX   *Computer-Mediated Communications*
Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18790

Computer-mediated communication (CMC) explores our understanding of how certain technology features in computing environments deliver messages, how people form bonds with each other online, and how unique networks are created through computing systems. Course topics include: interpersonal and hyper-personal models of communication, spatial and social presence, online dating, virtual reality, augmented reality, media addiction, location-based mobile media, and future CMC development.

12. MMC 6XXX   *Critical and Cultural Theories in Media Studies*
Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18587

Students will be introduced to the theoretical underpinnings of critical and cultural approaches to studying media. The course will trace the origins of critical/cultural and explores these developments to various schools of thought. Themes covered will include political economy, critical race theory, feminist media studies (both US centered and transnational), media globalization studies and cultural histories, to name a few. Students will engage with a broad range of readings that map

13. MMC 6XXX   *Media Psychology*
Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18772

Media psychology examines how we interact with media on the psychological level. Instead of focusing only on the user or the media, media psychology examines media use and effects as an interaction between media, content message, and users. The course helps you gain a general overview of the theories and methods in this area.

14. MMC 6XXX   *Risk Communication*
Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18588

Students examine theory and research related to the communication of health, environmental, technological, agricultural, and geological risks. The course looks at risk communication from multiple perspectives, including psychological, social, and cultural. The course will emphasize understanding, critiquing, and applying theories of risk communication.

PHHP – Biostatistics

15. PHC 6XXX   *Statistical and Computational Analysis of Genomic Data*
Link to proposal: https://secure.aa.ufl.edu/Approval/reports/18649

The course will focus on statistical and computational methods/tools on next generation sequencing data analysis. Topics include introduction and analysis of DNA-seq, RNA-seq, ChIPseq, ATAC-seq and single-cell genomics. In addition, the course will illustrate how to use R/Bioconductor R packages to handle common types of genomic data.

VM – Graduate Studies Committee

16. VME 6XXX   *Ecotoxicology*
Link to proposal: https://secure.aa.ufl.edu/Approval/reports/17699

This course will present conceptual and fundamental knowledge required to discern the impacts of environmental contaminants on wildlife and ecosystems.

VI.   Information Items:

1. EME 5404 – 18455 – Change prerequisites
2. EME 6637 – 18457 – Change course title and prerequisites
3. PHA 6856 – 18776 – Change course title
4. PHA 6905c – 18370 – Change course title
5. PHC 6068 – 18593 – Change course number, description, and objectives
6. SUR 6377 – 18428 – Change prerequisites