

GRADUATE COUNCIL AGENDA

OCTOBER 19, 2023

1:00 PM

110 GRINTER HALL

I. ACTION ITEMS:

1. Minutes from the September 21, 2023 Graduate Council Meeting (Enclosure 1).

CERTIFICATES:

2. The College of Medicine seeks to create an online graduate certificate in Medical Biochemistry and Molecular Biology (#18719). Dr. Deborah Smith and Dr. Bert Flanagan will be present for discussion (Enclosure 2).
3. The College of Medicine seeks to terminate the graduate certificate in Tropical Medicine (#17707). Dr. Paul Gulig will be present for discussion (Enclosure 3).

DEGREES:

4. The College of Liberal Arts and Sciences seeks to close the Master of Arts (M.A.) with a major in Classical Studies (#18729). Dr. Konstantinos Kapparis will be present for discussion (Enclosure 4).
5. The College of Liberal Arts and Sciences seeks to close the Master of Arts (M.A.) with a major in Religion (#18752). Dr. Terje Ostebo will be present for discussion (Enclosure 5).

II. INFORMATION ITEM / ADMINISTRATIVE ACTIONS:

6. Graduate Curriculum Committee – September Minutes and October Agenda. (Enclosure 6).
7. Graduate Programs – Distance or Self-Supporting
The College of Education was approved for state-funded online delivery in addition to the currently approved on campus delivery for the Specialist in Education (Ed.S.) with a major in Curriculum and Instruction
<https://secure.aa.ufl.edu/Approval/reports/18954>
8. Graduate Student Success Center

III. DISCUSSION ITEM:

9. Process for Appointing Special Members to Supervisory Committees

GRADUATE COUNCIL MINUTES
SEPTEMBER 21, 2023
1:00 PM

110 GRINTER HALL
&
Teleconference (Via Zoom)

MEMBERS PRESENT: Dr. Nicole Stedman (Chair), Dr. J.C. Bunch, Dr. James Essegbey, Dr. Hitomi Greenslet, Dr. Kristin Larsen, Dr. Michael Martinez, Dr. Corene Matyas, Dr. Connie Mulligan, Dr. K. Ramesh Reddy, Dr. Aner Sela, Dr. Joni Williams Splett, Kevin Senior (GSC rep) and Jasleen Kaur (GSC alternate)

MEMBERS ABSENT: Dr. Linda Bloom, and Dr. Marta Wayne

GUESTS PRESENT: Dr. Casey Bullock (University Registrar), Dr. Jörg Bungert (College of Medicine), Laura Happe (College of Pharmacy), Diana Hull (Office of the Registrar), Dr. Maria Leite (Academic Affairs), Dr. Johnathan Orsini (Office of the Provost/Teaching and Technology), Dr. Tobin Shorey (Undergraduate Curriculum Committee), Dr. Ravi Srinivasan (College of Design, Construction and Planning), Heather Steingraber (College of Pharmacy), and Ashley Tidwell (Office of Admissions)

STAFF PRESENT: Dr. Tom Kelleher, Gann Enholm, Megan Lewis, Hannah Potter, Frankie Tai (Recording), Dr. Judy Traveis, and Patty Van Wert

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

Dr. Stedman 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 May 18, 2023 Graduate Council Meeting. A motion to approve was made, seconded, and passed unanimously.

CERTIFICATES:

The Chair sought Council approval for consideration of the four (4) items from the College of Pharmacy as a package. Council concurred.

2. The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Applied Pharmacoeconomics (#18638). Dr. Laura Happe and Heather Steingraber were present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.
3. The College of Pharmacy seeks to modify the curriculum for the graduate certificate in Managed Care Pharmacy Systems (#18639). Dr. Laura Happe and Heather Steingraber were 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 College of Pharmacy seeks to modify the curriculum for the graduate certificate in Pharmaceutical Regulation (#18640). Dr. Laura Happe and Heather Steingraber were present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.
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 Heather Steingraber were present (via Zoom) for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective date of earliest available.

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 was present for discussion. A motion to approve was made, seconded, and passed unanimously, with a proposed effective termination term of spring 2023 and a phase-out date of spring 2025.

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 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:

8. Graduate Curriculum Committee – May Minutes and September Agenda.
9. Graduate Programs – Distance or Self-Supporting – No new items
Dr. Jonathan Orsini shared that the Office of Distance Learning has begun to review proposals again and there are around two dozen potentially in the pipeline. At this time, anything other than certificates will also be reviewed by the BOG.
10. Graduate Student Success Center
Dr. Judy Traveis was available to discuss the rebranding and goals of this office. She will continue to share updates regarding their events, podcasts, and workshops at the Graduate Council meetings.

The meeting adjourned at 1:49 p.m.

Certificate | New for request 18719

Info

Request: Proposal for New Online Graduate Certificate Program in Medical Biochemistry and Molecular Biology

Description of request: The Department of Biochemistry and Molecular Biology in the College of Medicine seeks to create an online graduate certificate in Medical Biochemistry and Molecular Biology

Submitter: Deborah Smith dsmith43@ufl.edu

Created: 10/11/2023 1:51:51 PM

Form version: 5

Responses

Certificate Name

Enter the name of the certificate. Example: Urban Pest Management.

Medical Biochemistry & Molecular Biology

Transcript Title

Enter the transcript title of the certificate. This is limited to 50 characters, including spaces.

Medical Biochemistry & Molecular Biology

Credits

Enter the total number of credit hours needed to complete the certificate program.

11

Level

Enter the program level of the certificate.

Graduate

CIP Code

Enter the six digit Classification of Instructional Programs (CIP) code for the degree program associated with the proposed certificate. The code has the numerical format XX.XXXX. Contact the Office of Institutional Planning and Research (OIPR) to verify the CIP code for the existing degree program.

26.0210

Degree Program

Enter the degree program associated with the CIP code entered above (e.g. Accounting).

Biochemistry & Molecular Biology

Effective Term

Enter the term (semester and year) that the certificate would start. Please keep in mind that this may be adjusted depending on University deadlines for approval process.

Spring

Effective Year

2024

Certificate Description

Enter a description of the certificate. This is limited to 50 words or fewer.

The certificate program in Medical Biochemistry & Molecular Biology will prepare students for a future in medicine and science-based fields. Students will acquire a strong foundation in protein structure and function, metabolism, and molecular biology. Student will apply their knowledge to understanding primary literature and medically-related topics in these areas.

Requirements for Admission

List any requirements for admission to this new certificate program such as grade point average, background in the discipline, current enrollment status, etc.. Please indicate if the certificate only accepts students of a particular status: for example, current UF graduate students, graduate students in a specific college, non-degree seeking students, or any student status.

Bachelor's degree from a regionally accredited university

Organic chemistry (CHM2210 and 2211, CHM2215 and 2216, or their equivalents at other institutions)

At least one undergraduate biology course Overall GPA of 3.0. Upper division GPA of 3.0

Requirements for Completion

List all of requirements for completion of the certificate program, such as courses, internships, projects, etc. For each course, indicate prefix, number, title, # credits, and established grading scheme (letter grade or S/U). The title should be identical to the official title of the course as listed in the Graduate catalog or Graduate catalog.

BCH5XXX – Fundamentals of Biochemistry & Molecular Biology, 4 credits, Letter grade (new course request has been submitted,

<https://secure.aa.ufl.edu/approval/reports/18977>) BCH5413 – Mammalian Molecular Biology & Genetics, 3 credits, Letter grade

BCH5XXX – Medical Metabolism, 3 credits, Letter grade (new course request has been submitted, <https://secure.aa.ufl.edu/Approval/reports/18717>)

BCH6XXX – Readings in Medical Biochemistry and Molecular Biology, 1 credit, Letter grade (new course request has been submitted,

<https://secure.aa.ufl.edu/Approval/reports/18718>)

Rationale and Place in Curriculum

Describe the rationale for offering this new certificate and having it on the transcript, its place in the curriculum, how it will enhance the quality of the existing program or department. Also describe its overlap with any existing certificates and programs, and a justification for any such overlap. Note that documentation of consultation will be expected for any certificate with overlapping content.

Online certificate programs have become an increasingly popular and a desired avenue for students to improve their academic record and their credentials for seeking new careers and promotions within their current field.

A certificate in Medical Biochemistry and Molecular Biology would focus graduate studies on the fundamental processes of eukaryotic cells and build a strong foundation for understanding the molecular mechanisms of human disease.

Market analysis suggests that job opportunities for individuals with skills in biochemistry and molecular biology background will increase over time and at a faster rate than the overall average occupations. Additionally, our program would meet the needs of individuals that wish to increase their ability to be promoted with their current employer and those that wish to improve their academic record to strengthen their application to profession or graduate school. The lack of options for online programs in biochemistry and molecular biology means our program would fill a gap in online education and be in high demand.

The certificate would enhance the quality of the program within the Department of Biochemistry and Molecular Biology by

- o reaching a larger and more diverse population of students,
- o providing a compressed set of courses to gain credentials
- o creating an opportunity to focus on the medical aspects of the biochemistry and molecular biology content.
- o increasing the visibility of the department in the online space and provide an opportunity for students to learn more about our on-campus Master of Science and PhD programs.

Transfer of credit

- Credits earned in the certificate may be eligible for subsequent transfer of credit to a UF master's degree program (subject to the approval of the student's supervisory committee and graduate school policy).
- Coursework and credits used for a UF Graduate Certificate may also be used to fulfill some requirements for a UF graduate degree, subject to existing Graduate School policy, and with the approval of the academic unit offering the graduate degree program. Students will be made aware that a maximum of 15 credits taken in the certificate program may potentially be transferred towards a master's degree.
- Following traditional Transfer of Credit policy and procedures, only letter graded credits earned with a grade of B or better may be considered for transfer credit toward a future graduate degree.

The certificate course offerings do not significantly overlap with any existing programs. Some of the courses count towards other graduate degree programs in medical sciences and microbiology, but the full set of courses is unique to this certificate.

Student Learning Outcomes

List each student learning outcome with its associated courses, assessment type (e.g. course-related exam/assignment/grade, final paper/project/presentation, standardized exam, capstone) and method (e.g. rubric, faculty committee, single faculty member).

- (1) Develop a strong foundation in the fundamental concepts of biochemistry and molecular biology including the structure and function of proteins, the metabolism of major biological molecules, and the maintenance and utilization of the genome.
 - o BCH5XXX (Fundamentals of Biochemistry and Molecular Biology – 4 exams, 3 manuscript review assignments
- (2) Utilize the concepts of biochemistry and molecular biology to understand the underlying mechanisms of human disease states including genetic disorders related to the structure and function of proteins, inborn errors in metabolism, and cancer biology.
 - o BCH5413 – 4 exams, unit quizzes, evaluation of primary literature
 - o BCH5XXX (Medical Metabolism) – 3 exams, analysis of case study scenarios, final case study project
- (3) Describe how biochemical and molecular techniques can be used to develop new and innovative treatments for human disease including RNA vaccines, gene editing, and immunotherapies.
 - o BCH5413 – 4 exams, unit quizzes, evaluation of primary literature
 - o BCH5XXX (Medical Metabolism) – 3 exams, analysis of case study scenarios, final case study project
 - o BCH6XXX – Readings in Medical Biochemistry and Molecular Biology – guided homework questions, discussion posts
- (4) Analyze and discuss primary literature in the field of medical biochemistry and molecular biology to improve critical thinking, evaluation, and communication skills.
 - o BCH6XXX – Readings in Medical Biochemistry and Molecular Biology – guided homework questions, discussion posts

Certificate | Close-Modify for request 17707

Info

Request: Close the Graduate Certificate in Tropical Medicine

Description of request: The College of Medicine seeks to close the Graduate Certificate in Tropical Medicine.

Submitter: Paul Gulig gulig@ufl.edu

Created: 10/5/2023 7:59:18 AM

Form version: 3

Responses

Current Certificate Name

Tropical Medicine

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

2023

Requested Action

Terminate Certificate

Current Transcript Name

Tropical Medicine

Assessment Data Review

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

No students were ever enrolled in this certificate. Interest in completing the graduate certificate in Tropical Medicine waned before the curriculum was finalized via the construction of the new key courses. No students were ever admitted into the certificate. The contributing departments have each focused on other matters. We are terminating this certificate to get it off the books, avoid confusion to potential applicants, and unnecessary administration.



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

INSTITUTION: _____

PROGRAM NAME: _____

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

ANTICIPATED TERMINATION TERM: _____
(First term when no new students will be accepted into the program)



ANTICIPATED PHASE-OUT TERM: _____
(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.

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

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.

 _____ Requestor/Initiator	<u>4/14/2023</u> _____ Date
_____ Signature of Campus EO Officer	_____ Date
 _____ Signature of College Dean	<u>7/6/2023</u> _____ 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	



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

INSTITUTION: _____

PROGRAM NAME: _____

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

ANTICIPATED TERMINATION TERM: _____
(First term when no new students will be accepted into the program)

ANTICIPATED PHASE-OUT TERM: _____
(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.

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

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.

Terje Ostebø

July 12, 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

Graduate Curriculum Committee

Minutes

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>

Proposal has been conditionally approved. Once revised, the proposal can be administratively approved after further review by the Chair of the GCC.

VM – Graduate Studies Committee

2. VME 6XXX *New Approach Methodologies in Toxicology*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/17827>

Proposal has been approved by the GCC.

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>

Proposal has been approved by the GCC.

2. GMS 6701 *Functional and Comparative Neuroanatomy for Professionals*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18545>

Proposal has been approved by the GCC.

COP – Pharmaceutical Outcomes and Policy

3. PHA 6279 *Pharmaceutical Outcomes and Policy Seminar*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18654>

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

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>

Proposal has been approved by the GCC with a note that the course number selected is not guaranteed as it will be assigned by SCNS.

2. BCH 5930 *Journal Colloquy*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18718>

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.

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>

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

2. EDH 6XXX *Academic and Student Affairs Collaborations*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18395>

Proposal has been approved by the GCC.

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

Proposal has been approved by the GCC.

ENG – Nuclear and Radiological Engineering

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

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

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

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

CALS – Entomology and Nematology

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

Proposal has been conditionally approved. Once revised, the GCC wishes to review the proposal again.

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>

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

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

Proposal has been conditionally approved. Once revised, the proposal can be administratively approved after further review by the Chair of the GCC.

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>

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

JOU – Mass Communication

10. MMC 6XXX *Academic Writing*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18566>

Proposal has been conditionally approved. Once revised, the proposal can be administratively approved after further review by the Chair of the GCC.

11. MMC 6XXX *Computer-Mediated Communications*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18790>

Proposal has been conditionally approved. Once revised, the proposal can be administratively approved after further review by the Chair of the GCC.

12. MMC 6XXX *Critical and Cultural Theories in Media Studies*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18587>

Proposal has been conditionally approved. Once revised, the proposal can be administratively approved after further review by the Chair of the GCC.

13. MMC 6XXX *Media Psychology*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18772>

Proposal has been conditionally approved. Once revised, the GCC wishes to review the proposal again.

14. MMC 6XXX *Risk Communication*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18588>

Proposal has been conditionally approved. Once revised, the proposal can be administratively approved after further review by the Chair of the GCC.

PHHP – Biostatistics

15. PHC 6XXX *Statistical and Computational Analysis of Genomic Data*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18649>

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

VM – Graduate Studies Committee

16.VME 6XXX *Ecotoxicology*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/17699>

Proposal has been conditionally approved. Once revised, the GCC wishes to review the proposal again.

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

Graduate Curriculum Committee

Agenda

October 12, 2023
Meeting Materials

Voting Conducted
via Zoom

I. Presentation and review of the Minutes from the September 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.

There are no modifications to present at this time.

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.

There are no new courses submitted through the 5000-level path to present.

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.

ENG – Biomedical Engineering

1. BME 6XXX *Patient Dosimetry in Medical Imaging and Radiotherapy*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18740>

This course will review the methods and techniques for assessing organ doses in medical imaging and radiotherapy techniques through the use of computational dosimetry.

CLAS – Economics

2. ECO 7116 *Microeconomic Theory 2*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18738>

Introduces game theory, public goods and externalities, and adverse selection and moral hazard. Applies pure-strategy and mixed-strategy Nash Equilibria solution concepts to solve

simultaneous-play games. Develops Bayesian Nash Equilibria solution concepts for dynamic games. Solves monopolists' profit-maximization problem. Examines other inefficiencies stemming from public goods, externalities, and information asymmetries.

MED – Pathology, Immunology and Laboratory Medicine

3. GMS 6XXX *Artificial Intelligence in Healthcare Education I*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18422>

This course will provide the students with the fundamentals of artificial intelligence, including machine learning and deep learning, and how these methods can be used to learn from data as they relate to healthcare education. Students will also have opportunities to process and analyze various types of real-world healthcare and educational data to discover useful insights and knowledge.

4. GMS 6XXX *Artificial Intelligence in Healthcare Education II*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18423>

This course will build on the knowledge and skills acquired Artificial Intelligence in Healthcare Education I. Students will develop the skills necessary manipulate, analyze, visualize and present data in Python, leveraging the JupyterLab interface of the Jupyter Project. Students will learn the fundamentals of Python, coding environments, as well as libraries for data science including pandas.

MED – Neuroscience

5. GMS 6XXX *Computational Skills for Neuroscience*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18843>

We will teach basic software skills for neuroscience graduate students and how computing can enhance and accelerate neuroscience research.

MED – Pathology, Immunology and Laboratory Medicine

6. GMS 6XXX *Foundations of Healthcare Education*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18419>

This course provides an overview of the field of medical education, including its history, principles, and current trends. Students will learn about the various stages and components of medical education, from pre-medical education to postgraduate medical education. Topics will include curriculum design and development, teaching and learning methods, assessment in medical education, accreditation and regulation, and the impact of technology and innovation on medical education.

7. GMS 6XXX *Research Design in Healthcare Education*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18421>

This course provides information on medical education research and program evaluation methodologies as well as scholarship opportunities revolving around the healthcare educational setting. The course assists students in transforming ideas and problems into researchable questions or aims, and appropriate approaches to conducting meaningful research or evaluation at the undergraduate and graduate medical education levels as well as within the healthcare setting related to education.

8. GMS 7XXX *Practicum in Learning Analytics and Artificial Intelligence*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18417>

This course will serve as a culminating experience for learners. Learners will apply knowledge and skills learned during coursework to design and implement scholarly projects using artificial intelligence / machine learning methods. The final project will consist of a publication ready manuscript.

CBA – Marketing

9. MAR 6XXX *Business to Business Marketing*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18403>

The course examines the link between business-to-business (B2B) marketing decisions, strategy, organizational buying behavior, and selling. B2B markets are more challenging than consumer markets and demand specific skills from marketers. The buyers in B2B markets often deal with complex products, have product specialty skills, are more knowledgeable (compared with B2C buyers), and are more demanding of their suppliers.

CALS – Microbiology and Cell Science

10. MCB 6XXX *Computational Genomics and Epigenomics*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18512>

Genomics and epigenomics utilize high-throughput sequencing technologies in understanding biology questions. The primary goal of this course is to introduce history, theory, latest advances, and computational approaches in (epi)genomics for conducting large-scale genomic analyses. Course topics include sequence alignment, genome assembly and annotation, variant identification, transcriptomics, small RNAs, DNA methylation, histone modification, open chromatin region, and 3D chromatin interaction.

COP – Pharmacotherapy and Translational Research

11. PHA 6XXX *Forensic Ethics*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18767>

Provide a background on the unique ethical considerations that forensic scientists face; students will explore what the guiding principles are for ethics in forensic science, the culture of the criminal justice system, and how to consider ethics both scientifically and in the courtroom.

PHHP – Public Health

12.PHC 6XXX *Public Health Leadership*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18744>

This graduate course focuses on leadership and management within the Public Health field. Through completion of this course, students acquire knowledge and skills to grow as a public health professional, build collaborative professional relationships, work effectively as a team member, and lead public health efforts.

CALS – Plant Pathology

13.PLP 6XXX *Fastidious Bacteria and Plant Diseases*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18495>

This advanced graduate course provides in depth explanations of the complicated and varied cycles of plant diseases caused by insect transmitted, vascular-colonizing fastidious bacteria including mollicutes, Candidatus Liberibacters, and Xylella fastidiosa, including their classification, biology, symptomatology, epidemiology, transmission, plant responses, insect-vector interactions, and management strategies.

CBA – Finance, Insurance and Real Estate

14.REE 6XXX *Law of Real Estate Transactions*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18531>

The focus of this course is on the major legal concepts, principles, statutes, and contracts that regulate and govern the negotiation, financing and closing of real estate transactions. Both residential and commercial transactions will be discussed; however, the focus will be on commercial real estate. Emphasis will be on the legal aspects of a transaction: ownership of real property, contract law, types of conveyances, legal descriptions, surveys and plats, ad valorem taxation and financing.

HHP – Sport Management

15.SPM 5XXX *The Racquet Sports Industry*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18517>

Covers racquet sports business leadership. Topics covered include differing facility types and differing governance, management and operations of club businesses, and technology advancements related to operations. A section of the class will also focus on tennis history and emerging trends in complementary racquet sports.

16.SPM 6XXX *Advanced Sport Law*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/17718>

This course is designed to further student understanding of foundational legal principles in the field of sport management, especially those principles governing contractual relationships, agency representations, and liability for wrongful conduct. This course builds on the basic principles of law students studied in the introductory Sports Law course.

CLAS – Sociology

17.SYA 6XXX *Professional Development in Sociology*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18835>

Introduction to professional practices in sociology and criminology. Overview of research ethics, science communication, and other elements of professional practice in research and teaching. Review of scholarly literature in one's research topic as a first step toward a research proposal. Required for sociology and criminology graduate students.

DCP – Urban and Regional Planning

18.URP 6XXX *Community Engagement*

Link to proposal: <https://secure.aa.ufl.edu/Approval/reports/18554>

This course provides instruction and hands on experience with community engagement and stakeholder collaboration, especially within an urban and regional planning context and in support of diversity, equity, and inclusion.

VI. Information Items:

1. [GMS 6022](#) – 18546 – Change credit hours 3 to 2
2. [GMS 6290](#) – 18728 – Change credits from Non-repeatable to Repeatable (max 12)
3. [SYA 6905](#) – 18548 – Change variable and maximum repeatable credit (max 15)
4. [VME 6616](#) – 18837 – Change to course title
5. [VME 6617](#) – 18838 – Change to course title