

FACULTY SENATE CURRICULUM BULLETIN

CURRICULUM BULLETIN #5

March 30, 2011

The following curriculum information is presented to the University Community for its consideration. In accordance with the procedures of the University Curriculum Committee, Graduate Council and Undergraduate Council, objections to all proposed new courses, programs or program/course modifications should be communicated, in writing, within two weeks of the publication date of this bulletin, to Professor Nagarajan Prabakar, Engineering (Curriculum Committee), Professor Fred Blevens, Journalism (Graduate Council) or Professor Tania Rivera, Public Health (Undergraduate Council).

HEARING

NAME: [New Graduate Major: Environmental Chemistry](#)
COLLEGE: College of Arts and Sciences
DATE: April 15, 2011
TIME: 10:00AM – 10:30AM
PLACE: GL 835 (MMC) & LIB 155 (BBC)
CONTACT: Jeffrey Joens *(Joint Graduate Council & Curriculum Committee Hearing)*

NAME: [New Graduate Track: Security](#)
COLLEGE: College of Engineering and Computing
DATE: April 15, 2011
TIME: 10:30AM-10:50AM
PLACE: GL 835 (MMC) & LIB 155 (BBC)
CONTACT: Xudong He *(Joint Graduate Council & Curriculum Committee Hearing)*

NAME: [New Graduate Track: Logistics Engineering](#)
COLLEGE: College of Engineering and Computing
DATE: April 15, 2011
TIME: 10:50AM – 11:10AM
PLACE: GL 835 (MMC) & LIB 155 (BBC)
CONTACT: Shih-Ming Lee *(Joint Graduate Council & Curriculum Committee Hearing)*

NAME: [New Graduate Track: Production and Manufacturing](#)
COLLEGE: College of Engineering and Computing
DATE: April 15, 2011
TIME: 11:10AM-11:30AM
PLACE: GL 835 (MMC) & LIB 155 (BBC)
CONTACT: Shih-Ming Lee *(Joint Graduate Council & Curriculum Committee Hearing)*

NAME: [New Graduate Degree Program: Ph.D. in Basic Biomedical Sciences](#)
COLLEGE: College of Medicine
DATE: April 15, 2011
TIME: 11:30 - Noon
PLACE: GL 835 (MMC) & LIB 155 (BBC)
CONTACT: Barry Rosen *(Joint Graduate Council & Curriculum Committee Hearing)*

COURSE PROPOSALS FOR GLOBAL LEARNING DESIGNATION

The following proposals have been submitted for Global Learning Designation and will be heard by the Faculty Senate Ad Hoc Global Learning Curriculum Oversight Committee. You may click on the course name to view the proposal's supporting documents.

School	Department	Course #	Course Name
Arts & Science	Mathematics	MHF4401	Methods in the History of Modern Mathematics
Engineering	Biomedical Engineering	BME 4007	Principles of Bioengineering
Engineering	Construction Management	BCN 3761	Construction Documentation and Communication
Engineering	Mechanical Engineering	EML4905	Senior Design Project
Public Health & Social Work	Dietetics	DIE 3434	Nutrition Education
Public Health & Social Work	Dietetics	HUN 3191	World Nutrition

PROPOSALS AND CHANGES LISTED BY COLLEGE AND DEPARTMENT

The following proposals and changes, which do not require hearings, are listed below for review by the university community and may be accessed by clicking on the hyperlinks. Faculty contact names are listed and may be reached with questions and problems.

COLLEGE OF ARCHITECTURE AND THE ARTS

➤ SCHOOL OF MUSIC

[Changes to the Undergraduate Track: Instrumental Performance](#) – Contact: Joel Galand

[Changes to the Undergraduate Track: Organ Performance](#) – Contact: Joel Galand

[Changes to the Undergraduate Track: Piano Performance](#) – Contact: Joel Galand

➤ THEATRE

[Changes to the Bachelor in Arts in Theatre](#) – Contact: Michael Yawney

[Changes to the Undergraduate Track: Design Specialization](#) – Contact: Michael Yawney

COLLEGE OF ARTS AND SCIENCES

➤ CHEMISTRY AND BIOCHEMISTRY

[Changes to the Master of Science in Chemistry](#) – Contact: Jeffrey Joens

[Changes to the Ph.D. in Chemistry](#) – Contact: Jeffrey Joens

➤ ENGLISH

[Changes to the Undergraduate Certificate: Professional and Public Writing](#) – Contact: Michael Creeden

COLLEGE OF BUSINESS ADMINISTRATION

[Changes to the Bachelor of Business Administration](#) – Contact: Ronnie Silverblatt

[Changes to the Business Minor for Non Business Students](#) – Contact: Ronnie Silverblatt

[Changes to the Entrepreneurship Minor for Non Business Students](#) – Contact: Ronnie Silverblatt

[Changes to the Undergraduate Admission Standards](#) – Contact: Ronnie Silverblatt

➤ SCHOOL OF ACCOUNTING

[Changes to the Bachelor of Science in Accounting](#) – Contact: Delano Gray

➤ MANAGEMENT AND INTERNATIONAL BUSINESS

[Changes to the Bachelor of Business Administration and Management Major](#) – Contact: Ronnie Silverblatt

[Changes to the Bachelor of Business Administration, Human Resource Major](#) – Contact: Ronnie Silverblatt

[Changes to the Bachelor of Business Administration, International Business Major](#) – Contact: Ronnie Silverblatt

➤ FINANCE AND REAL ESTATE

[Changes to the Bachelor of Business Administration, Real Estate](#) – Contact: Deanne Butchey

[Changes to the Bachelor of Business Administration, Finance](#) – Contact: Deanne Butchey

COLLEGE OF ENGINEERING AND COMPUTING

➤ **CIVIL AND ENVIRONMENTAL ENGINEERING**

- [Changes to the BS Civil/MS Combined Degree Program in Environmental Engineering](#) – Contact: Girma Bitsuamlak
- [Changes to the BS Environmental/MS Combined Program in Environmental Engineering](#) – Contact: Girma Bitsuamlak
- [Changes to the BS/MS Combined Program in Civil Engineering](#) – Contact: Girma Bitsuamlak
- [Changes to the MS Program in Civil Engineering](#) – Contact: Girma Bitsuamlak
- [Changes to the Ph.D. Program in Civil Engineering](#) – Contact: Girma Bitsuamlak

➤ **COMPUTING AND INFORMATION SCIENCES**

- [Changes to the Master of Science in Information Technology](#) – Contact: Xudong He
- [Changes to the Undergraduate Minor in Computer Science](#) – Contact: Nagarajan Prabakar

➤ **ENGINEERING MANAGEMENT** – Contact: Shih-Ming Lee

- [New Combined Degree Program: BS in Computer Science and MS in Engineering Management \(BSCS/MSEM\)](#)
- [New Combined Degree Program: BS in Information Technology and MS in Engineering \(BSIT/MSEM\)](#)

SCHOOL OF JOURNALISM AND MASS COMMUNICATION

- [Changes to the Spanish Language Masters in Multimedia Journalism](#) – Contact: Carlos Suris

COLLEGE OF NURSING AND HEALTH SCIENCES

➤ **GRADUATE NURSING**

- [Changes to the Combined BSN/MSN for Foreign Educated Physicians Track](#) – Contact: Liwliwa Villagomez

➤ **UNDERGRADUATE NURSING**

- [Changes to the Track: Undergraduate Nursing](#) – Contact: Sharon Simon

COLLEGE OF PUBLIC HEALTH AND SOCIAL WORK

- [Changes to the Graduate Certificate in Health Promotion and Disease Prevention](#) – Contact: Jessy Devieux
- [Changes to the Health Promotion and Disease Prevention Graduate Degree Program](#) – Contact: Jessy Devieux

NEW COURSES AND COURSE CHANGES – LISTED BY COLLEGE/ SCHOOL/DEPARTMENT

COLLEGE OF ARCHITECTURE AND THE ARTS

➤ **COMMUNICATION ARTS**

NEW COURSE REQUESTS

- | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| SPC 3XXX | Rhetorical Communication: A Theory of Civil Discourse | 3 credits |
| | Students will examine the way people build persuasive argument through analysis of the history of rhetoric from Aristotle, Quintilian, and Gorgias, as it is applied to various disciplines. | |

➤ **MUSIC**

NEW COURSE REQUESTS

- | | | |
|----------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|
| MUG 4XXX | Advanced Orchestral Conducting | 3 credits |
| | Advanced study of orchestral conducting, including gesture, rehearsal techniques, interpretation, score analysis, and repertoire. | |

COLLEGE OF ARTS & SCIENCES

➤ **ENGLISH**

NEW COURSE REQUESTS

- | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| ENC 3XXX | Rhetorical Theory and Practice | 3 credits |
| | An overview of various rhetorical traditions in order to help students understand and improve their discourse practices at school, work, or in technological spaces.
Prerequisites: ENC 1101 and 1102 or ENC 2304 | |
| ENC 3XXX | Writing as Social Action | 3 credits |
| | Writing for academic and public settings. A significant part of the course will consist of students doing writing-related volunteer work in the community.
Prerequisites: ENC 1101 and 1102 or ENC 2304 | |

COURSE CHANGE/DELETION REQUESTS

- | | |
|----------|-----------------------------------------------------------------------------------------------------------------------------|
| ENC 1102 | New prerequisite: ENC 1101 or equivalent |
| ENC 3363 | New title: Writing About the Environment
New prerequisites: ENC 1101 and 1102 or equivalents OR ENC 2304 |
| ENC 4416 | New first digit: 3
New prerequisites: ENC 1101 and 1102 or equivalent OR 2304 |

➤ **MATHEMATICS AND STATISTICS**

NEW COURSE REQUESTS

- IDS 4XXX Mathematics and Philosophy in Arts 3 credits
A panorama and a study of the global interrelation of mathematics, philosophy, and visual arts with emphasis on the evolution of the role of geometry in depicting the perspective in arts.
- MAS 5XXX Algebraic Geometry 3 credits
Introduction to the theory of affine and projective schemes, coherent sheaves and sheaf cohomology. Application to studying algebraic varieties.
Prerequisites: MAS 4301, MAA 4402

COURSE CHANGE/DELETION REQUESTS

- MAC 1105 New prerequisites: Intermediate Algebra or acceptable score in Placement Test

➤ **MODERN LANGUAGES**

NEW COURSE REQUESTS

- ITA 3XXX Italian Cinema, 1945-1970 3 credits
Studies the Italian Cinema from the end of the World War II (neorealism) until the early 70's (Comedy Italian Style)
Prerequisites: ITA 3421, ITA 3403, ITA 3500 or instruction permission
- SPN 5XXX Introduction to Catalan culture, literature and language 3 credits
Catalan culture and society through literary and visual texts provides also an introduction to Catalan language.
Prerequisite: Advanced level of Spanish
- SPW 5XXX Africanism in Spanish Literature and Film 3 credits
Studies the literary and artistic production generated by Spanish relationship with African cultures, as well as Afro-Spanish literature.
- WOL 1XXX Introduction to Wolof Language and Culture 3 credits
An introduction to Wolof language and culture, and development of communication skills for practice in the field during summer abroad program in Senegal and The Gambia.
Corequisite: Participation in the study abroad program in Senegal and The Gambia
- WOL 1130 Wolof I 5 credits
Introductory course to the Wolof language and culture for students with no prior knowledge of the language.

➤ **PUBLIC ADMINISTRATION**

COURSE CHANGE/DELETION REQUESTS

- PAD 7707 New prerequisite: PAD 6701 or equivalent

➤ **RELIGIOUS STUDIES**

NEW COURSE REQUESTS

- REL 3XXX Introduction to Jainism 3 credits
An introduction to Jain history and origins. Special focus will be placed on concepts of reality, the ascetic life, multiple dimensions of truth, non-violence and conflict resolution.
- REL 5XXX Yoga Theory and Practicum 3 credits
An in-depth graduate seminar addressing theory and practice of the eight limbs of yoga. Includes critical analysis of Patanjali's text, the Yoga Sutras.

➤ **WOMEN'S STUDIES**

NEW COURSE REQUESTS

- WST 4XXX Gender and Sport in American Society 3 credits
Focuses on sport and gender relations and examines gender issues in American sports and the role class, gender, and race play.

COLLEGE OF BUSINESS ADMINISTRATION

➤ **ACCOUNTING**

COURSE CHANGE/DELETION REQUESTS

- ACG 4101 New prerequisites: MAC 2233; ACG 3301 or equivalent with C or higher; successful completion of entrance exam and junior standing
- ACG 4401 New prerequisites: CGS 2060 or CGS 2100 or equivalent with C or higher; successful completion of entrance exam and junior standing
- BUL 4320 New prerequisites: MAC 2233; ACG 3301 or equivalent with C or higher; successful completion of entrance exam and junior standing
- TAX 4001 New prerequisites: MAC 2233; ACG 3301 or equivalent with C or higher; successful completion of entrance exam and junior standing

COLLEGE OF EDUCATION

➤ **TEACHING AND LEARNING**

COURSE CHANGE/DELETION REQUESTS

EEX 3066	New catalog description: Delete “pre-requisite or EEX 3012 and EDF 3251” New prerequisite: EEX 3070
EEX 3221	New catalog description: Delete “pre-requisite or EEX 3012” New prerequisite: EEX 3070
EEX 3764	New catalog description: Delete “pre-requisite or EEX 3012” New prerequisite: EEX 3070
EEX 4067	New catalog description: Delete “pre-requisite or EEX 3012 and EDF 3251” New prerequisite: EEX 3070

COLLEGE OF ENGINEERING & COMPUTING

➤ **BIOMEDICAL ENGINEERING**

COURSE CHANGE/DELETION REQUESTS

BME 4007	New catalog description: Medical instrumentation and design, regulations for medical devices, application of computers in medicine, biomaterials, artificial implants, clinical engineering. New prerequisite: BME 3700 or Permission of Instructor
BME 4401	New catalog description: Fundamentals of major imaging modalities including x-ray radiology, x-ray computed tomography, ultrasonography, magnetic resonance imaging, nuclear imaging (PET and SPECT), and optical imaging. New prerequisites: PHY 2049 and BME 2740
BME 4562	New catalog description: Fundamentals of biomedical optics, covering optical spectroscopy, polarimetry, and interferometry. Engineering principles used in optical diagnostics, biosensing and therapeutics. New prerequisites: PHY 2049 and BME 3700

➤ **COMPUTING AND INFORMATION SCIENCES**

NEW COURSE REQUESTS

CIS 5XXX	<u>Information Security and Privacy</u> 3 credits Information Security Planning for Contingencies, Policy, Security Program, Security Management Models, Database Security, Privacy, Information Security Risk Analysis, Protection Mechanism Prerequisite: CIS 5372
CIS 5XXX	<u>Systems Security</u> 3 credits Risk, Trust, and Threat models; Types of Attacks; Safe Programming Techniques; Operating System Mechanisms, Virtual Machine Systems; Hardware Security Enforcers; Application Security; Personal Security Prerequisite: CIS 5372
COP 4XXX	<u>Algorithm Techniques</u> 3 credits Basic algorithm design, including greedy algorithms, divide-and-conquer, dynamic programming, randomization, and backtracking. Graph, string, numerical, geometric, and optimization algorithms. Prerequisite: COP 3530
COP 4516	<u>Competitive Programming and Problem Solving</u> 3 credits Problem solving for programming competitions. Algorithms, analysis, programming, debugging, group collaboration. Participation in team practices and rigorous individual preparation. Prerequisite: COP 3530

COURSE CHANGE/DELETION REQUESTS

CGS 4854	New prerequisites: CGS 3767 and (COP 3804 or COP 3337)
CIS 4911	New prerequisites: CEN 4010 and permission of the instructor
CIS 5372	New title: <u>Fundamentals of Computer Security</u>
CTS 4348	New prerequisite: CGS 3767

➤ **MECHANICAL AND MATERIALS ENGINEERING**

NEW COURSE REQUESTS

EML 4XXX	<u>Undergraduate Internship</u> 1 credit Undergraduate students gain work experience through supervised internship in industry. The student develops an internship program proposal, and the work performed is documented and presented. Prerequisites: Permission of departmental advisor or undergraduate program director
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COURSE CHANGE/DELETION REQUESTS

EAS 4712	New prerequisites: EML 3126, EML 4140 New corequisites: EML 3036
EML 3126	New prerequisites: EGN 3321 and MAP 2302 New corequisites: EGN 3343
EML 4603	New prerequisites: EML 4140 or permission of the instructor
EML 4608	New prerequisite: EGN 3343

SCHOOL OF JOURNALISM AND TOURISM MANAGEMENT

COURSE CHANGE/DELETION REQUESTS

MMC 3020 Change credit hours from 2 to 3

➤ **JOURNALISM AND BROADCASTING**

COURSE CHANGE/DELETION REQUESTS

JOU 3117 New prerequisites: MMC 3104C, JOU 3003, VIC 3002; and full admission into the upper division program

JOU 6118 New title: Investigative Journalism

RTV 6309 Change credit hours from 6 to 3

COLLEGE OF LAW

NEW COURSE REQUESTS

LAW XXXX	<u>Advanced Externship Placement</u> The Advanced Externship Placement is an externship placement for students who have taken a previous externship and wish to continue in the same area or explore a different area of careers in government, public interest or corporate (in house) law. The will continue to assume professional roles under the close supervision of practicing attorneys and judges. The student will learn substantive law, lawyering skills, and professional responsibility in context but also learn to observe, analyze, and critique their own abilities and the roles lawyers and institutions play in our legal system. The course will focus on developing the ability to learn from critical self-reflection, and draws on the students' experiences in their placements to advance not only their understanding of basic principles of substantive and procedural law relevant to their placements, but of the role of lawyers and legal institutions in society as well. Prerequisites: Criminal Externship, or Civil Externship or Judicial Externship.	2-4 credits
LAW XXXX	<u>Civil Externship Placement</u> The purpose of this course is to enhance the student's understanding of the legal profession and its standards by exposing the student relevant lectures and experiential opportunities in civil litigation. The Civil Externship encourages students to explore careers in governmental, public interest corporate entities by awarding credit for work experience in the respective venues. Prerequisite: Professional Responsibility	2-4 credits
LAW XXXX	<u>Criminal Externship Placement</u> The Criminal Externship Placement enables students to gain a better understanding of the major issues involved with criminal law practice and the criminal justice system. In addition to legal research and writing tasks, externs can observe and participate in various criminal court proceedings under attorney supervision. Certified externs develop their legal skills by representing defendants or the state in actual criminal cases. Prerequisite: Professional Responsibility	2-4 credits
LAW XXXX	<u>Judicial Externship Placement</u> The Judicial Externship Placement enables students to serve as judicial externs with participating judges, magistrates or referees in State or Federal Courts. Judicial externs work directly with the judge, magistrate or referee researching, writing memoranda of law, drafting opinions, and generally observing and participating in the day-to-day operation of the court. The Judicial Externship course will utilize a variety of methods to prepare students and engage them in the work of the judicial system. Students are expected to reflect on their experiences and share their newly gained expertise with their instructors and classmates through classroom discussion, student presentations, reflective journals, and interviews with court personnel. The classroom component focuses on developing the ability to learn from critical self-reflection, and draws on the students' experiences in their placements to advance not only their understanding of basic principles of substantive and procedural law relevant to their placements, but of the role of lawyers and legal institutions as well. Prerequisites: Students must have a GPA of 2.75, and a writing sample.	2-4 credits
LAW 7XXX	<u>LL.M. Thesis</u> Write LLM Thesis under the direction of the thesis supervisor.	1-12 credits
LAW 7XXX	<u>United States Law I: Methods, Sources, and Structure</u> This course introduces graduate students to the United States legal system. It covers fundamental aspects of legal analysis and argumentation, the sources of law, the reading of cases and statutes in the common law tradition, and the structure of the legal system in the United States today. It addresses general approaches to constructing legal arguments, the use of primary and secondary sources in the United States, the development of United States law, the role and function of various institutions in the context of federalism, the legal process, the legal profession, and legislative and administrative developments.	2-12 credits
LAW 7XXX	<u>United States Law II: Scholarship and Perspectives</u> This course introduces graduate law students to scholarly and theoretical techniques and approaches used in the United States to understand law. It covers basic aspects of academic and scholarly writing in law, perspectives on law from different theoretical schools, and the tools that legal academics use in thinking about and writing about law. The course will survey different kinds of academic writing, with emphasis on the law review article and the LLM thesis. It will also discuss sociological jurisprudence, legal realism, law and economics, and critical legal studies.	2-12 credits

COLLEGE OF MEDICINE

NEW COURSE REQUESTS

BME 6XXXL	<u>Dissertation Proposal Seminar</u> After completion of the Qualifying Examination (QE) and Dissertation proposal approval the student must present his proposal to the Dissertation Committee. The student will give a PowerPoint presentation the proposed research to the members of the dissertation committee. The dissertation committee will specifically evaluate the following: (i) Has the student demonstrated the ability to design a feasible project? (ii) Has the student shown a reasonable knowledge of the literature regarding the project? (iii) Has the student presented the proposal (both written and oral) in a scholarly fashion? (iv) Has the student demonstrated competent scientific knowledge with respect to overall fundamental principles and applications in biomedical science? and (v) Does the proposed research constitute an acceptable and feasible dissertation project? This will be achieved through an oral question and answer component within the scheduled time of the dissertation proposal exam meeting. The chairman of the dissertation committee will (i) insure that the proposal exam is held to a reasonable length of time; (ii) insure that the student is evaluated fairly and rigorously; and (iii) see that a written evaluation is promptly prepared and sent to the student and to the director of the graduate program. Prerequisite: HWCOT Graduate School Enrollment Corequisites: Completion of Qualifying Examination, Dissertation Proposal, and permission of the Advisor	1 credit
BMS 6XXXL	<u>Doctoral Dissertation Proposal</u> After completion of the Qualifying Examination (QE) student must prepare a formal research proposal of the Ph.D. studies. A NIH style R01 Research grant 12-page proposal should be submitted to the Dissertation Committee. Content and Format of the Written Research Proposal: At least two week prior to the scheduled examination, the student will submit to the dissertation proposal exam committee members a written dissertation proposal. The Research Plan should address the following questions: What do you intend to do? Why is the work important? What has already been done? How are you going to do the work?	3 credits
BMS 6XXXL	<u>Formation of Committee: Appointment of Dissertation Committee: Preliminary Proposal</u> This activity will be the appointment of the dissertation committee. A Scientific Advisor (from HWCOT Graduate Program Faculty) will be selected after laboratory rotations based on the agreement between student, advisor, and the graduate program director. Dissertation Committee will be formed from five committee members, three from HWCOT (one chairperson) and two outside HWCOT. It is advised that one committee member should be from outside FIU. The dissertation committee is charged with overseeing all aspects of the dissertation research. They will meet with the student periodically to help plan research, review the student's progress, and provide written reports to the director of the graduate program. The responsibility of the chairperson will be to chair the qualifying examination meeting and the progress report meetings and to prepare and send written reports regarding these meetings and examinations to the director of the graduate program and the student. The chairman should also meet with the student after every meeting to discuss the outcome of the report. The choice of committee members is the decision of the Scientific Advisor and the student. The HWCOT graduate committee can weigh in on the suitability of the outside members. The outside member should apply for graduate faculty status. The student submits 4-5 page proposal approved by each member of the dissertation committee after first committee meeting. Prerequisite: HWCOT Graduate School Enrollment	1 credit
BMS 6XXXL	<u>Graduate Seminar</u> Seminars hosted by different HWCOT departments are given by HWCOT faculty, FIU Scientists, and invited speakers throughout the academic year. Graduate Students are encouraged to participate in the scientific discussions and, when possible, arrangements are made for students to meet with guest speakers. Attendance and participation at the Seminars is mandatory for all HWCOT Graduate students and attendance at the other FIU research seminars and lectures is very strongly encouraged. At least once a year the students are expected to present scientific seminar based on their research activities. Prerequisite: HWCOT Graduate School Enrollment	1 credit
BMS 6XXXC	<u>Introduction to Scientific Writing</u> This course is designed to introduce first year Ph.D. students to how to critique a paper, how to write a paper to how to present scientific materials both as poster and PowerPoint presentations. In addition, the students will write a comprehensive review in a topic of their interest (in consultation with their current/future mentors). The final phase would involve the students learning how to write a NIH-style proposal. Prerequisite: HWCOT Graduate School Enrollment	3 credits
BMS 6XXXL	<u>Laboratory Rotations</u> This course will provide students with the research conducted in graduate faculty laboratories. Such experience goes far beyond learning techniques; it is an opportunity for the student to determine whether he/she is compatible with the lab and the mentor. Rotations also provide the student with the opportunity to explore areas in which she/he may have interest but no direct research experience. It is recommended that at least three rotations be utilized to explore a field of research that the student may not have previously considered as a future research direction. Students are required to do a minimum of three different lab rotations, and a student can do additional rotations if necessary to find a compatible lab for thesis research. Prerequisite: HWCOT Graduate School Enrollment	1 credit
BMS 6XXXL	<u>Qualifying Examination</u> After completion of the mandatory courses, students will be evaluated by completion of the Qualifying Examination (QE). Students will be evaluated on the successfully passing a Qualifying Examination taken during the second	5 credits

academic year and no later than the end of that year. The Qualifying Examination determines, in part, the student's eligibility for admission to candidacy for the Ph.D. degree. The examination is designed to test the student's basic knowledge of biomedical sciences, as well as assess creativity and rationality of research design.

Prerequisite: HWCOC Graduate School Enrollment

Corequisite: Completion of all mandatory courses. At least overall 70% score in all mandatory courses.

BMS 6XXXL

Research Credits

5 credits

Students work in the Ph.D. advisor laboratory towards future dissertation project. It is expected that they will devote most of their time free from lecture or seminar time to work in the laboratory. The purpose of these activities is to clearly define the area of future dissertation research, to learn the laboratory techniques, initiate some experiments, to obtain some preliminary data, to develop a dissertation research outline, and prepare the Dissertation Proposal. Students and the Dissertation Advisor should discuss the work schedule of the student, the class time and course load. The Advisor will also recommend the elective courses.

Prerequisite: HWCOC Graduate School Enrollment

BMS 6XXXC

Supervised Teaching in Biomedical Science

1 credit

Graduate Students normally serve in an instructional capacity and are selected on the basis of past teaching experience or academic promise as effective instructors in their field of study. Graduate students will perform such tasks as preparing materials for class lectures, preparing examinations, maintaining records, and tutoring students outside formal classes. Graduate students may be involved in making presentations in laboratories or classrooms, conducting lectures, and leading discussion groups but not as the teacher of record. These tasks involve direct contact with students. This position requires extended knowledge of the subject and should be tested by the teaching faculty, be under the direct supervision of a faculty member experienced in the teaching discipline, receive regular in-service training, and be regularly evaluated.

Prerequisite: HWCOC Graduate School Enrollment

BMS 7XXXL

Dissertation Defense Seminar

1 credit

The Dissertation Advisory Committee (DAC) will approve the major goals of the research project, monitor progress of student performance and approve a target date for the dissertation defense. A prerequisite for the dissertation defense is publication or submission of peer-reviewed papers. It is expected that the student will be first or senior author on at least one of the peer-reviewed publications. The format of the dissertation should follow UGS guidelines. The dissertation defense will take place after the dissertation is submitted in a final form and approved by the DAC. Changes recommended at the time of the defense may be incorporated subsequently. The dissertation should be submitted to the DAC at least four weeks prior to the expected defense date to permit the members adequate opportunity for review. Review of the dissertation by an outside reviewer is encouraged. The defense of the dissertation is governed by the regulations established by the UGS. The dissertation defense includes a public seminar followed by defense of the dissertation to the DAC in closed session. Following the examination, the DAC evaluates the performance in the candidate's absence and votes to pass or fail the candidate. The record of the vote is recorded on FIU University Graduate School Form Defense of Dissertation Results and submitted to the University Graduate School Office.

Prerequisite: HWCOC Graduate School Enrollment

Corequisite: Permission of major professor and graduate committee

BMS 7XXXL

Dissertation Research Credits

6 credits

The focal point of the graduate experience will be the dissertation research conducted under supervision of the dissertation advisor. To help guide student through this process, he/she will meet every six months with the dissertation advisory committee, comprised of student advisor and five faculty members with related interests, to discuss the progress of the research, possible ideas for upcoming experiments and sort out what experiments will drive student project forward. These discussions, which are intended to enhance student critical thinking, form an important part of the intellectual growth as an independent scientist. The students take, on average, 5 years to complete their dissertation from the first day of graduate school to the dissertation defense. The publication of the peer-reviewed manuscripts and the presentation of the research data on scientific seminars and meetings is expected.

Prerequisite: HWCOC Graduate School Enrollment

Corequisite: Completion of qualifying exams and dissertation proposal seminar

MEL 7XXX

Medicine & Society Elective

1-12 credits

The Medicine & Society elective is designed for individualized study and further pursuit of topics relevant to the Medicine & Society's mission preparing to improve health outcomes for underserved communities to cultural and social issues in the delivery of care through the educational objectives on social determinants of health and policy. Students will design an independent study experience under the tutelage of Medicine & Society or other Humanities, Health & Society faculty. Potential projects, include pursuit of a policy initiative in collaboration with Law, cultural competency project, or intensive community-based health initiative. The Medicine & Society elective will be offered in all months with maximum of 6 students per year.

Prerequisite: Enrolled in the Herbert Wertheim College of Medicine

MEL 7XXX

Public Health Elective

1-12 credits

This elective will introduce students to the practice of Public Health for physicians. Students will be placed for a one month internship at the Miami-Dade County Health Department or comparable practice site, and assigned a mentor (MD/PhD or MD/MPH). Experiences and activities will be tailored to individual student interests within the structure of the elective. Students will be evaluated by their site preceptor.

Prerequisite: Enrolled in the Herbert Wertheim College of Medicine

COLLEGE OF NURSING & HEALTH SCIENCES

➤ **NURSING**

NEW COURSE REQUESTS

NUR 6XXX Interprofessional Approaches to Health Care 2 credits
Working in collaboration with medical students and other health professionals, students will develop skills (e.g., communication, conflict resolution, etc.) to work effectively in a health care team.
Prerequisite: Admission to major

COLLEGE OF PUBLIC HEALTH & SOCIAL WORK

➤ **DIETETICS AND NUTRITION**

COURSE CHANGE/DELETION REQUESTS

DIE 6576R Change grading option from letter to pass/fail grade

➤ **EPIDEMIOLOGY AND BIostatISTICS**

COURSE CHANGE/DELETION REQUESTS

PHC 6009 New prerequisites: PHC 6000 and PHC 6065 or permission of instructor
PHC 6016 New prerequisites: PHC 6000 and PHC 6065 or permission of instructor
PHC 6020 New catalog description: A course on methods in clinical epidemiologic studies, including study design, sample size, clinical measurements, clinimetric indices, casual inference, analytic issues and clinical decision making.
New prerequisites: PHC 6065, PHC 6000 or permission of instructor