UCF Graduate Council

CURRICULUM COMMITTEE MINUTES

Minutes of March 02, 2015 meeting

Members Present	Diane Andrews, Steven Collins, Steven Ebert, Jana Jasinski, Charles Kelliher, Donna Malvey, Joyce Nutta, Art Weeks
Recorder	Rhonda Nelson
Guests Present	Derek Green, Jim Scott, Barbara Fritzsche, Mark Neider, Jeff Cassisi, Ross Wolf, Teresa Dorman, Linda Rosa-Lugo
Staff Members	Barbara Rodriguez, Michele Pozdoll
Files	2015-03-02 Meeting Course Minutes

Welcome and call to order. Dr. Charles Kelliher, chaired the committee for Deborah Breiter, who was not available for this meeting. Dr. Kelliher welcomed the committee and guests. The minutes of the last meeting were reviewed and approved unanimously with no changes.

Addition of an Advanced Quantitative Methods graduate certificate – CEHP (tabled 1/26) This certificate was approved as all departments were contacted for conflict of interest and no conflicts were noted. This certificate received unanimous approval. As soon as the revisions on the title change and the admission requirements are received, this document will go forward to be added to the catalog.

Revisions to the AEHP track (Psychology PhD) - COS (tabled 2/16). Dr. Jeff Cassisi was present to give an update on this track. He indicated that he met with Terrie Sypolt and a library report was conducted. Everything was worked out and they were in agreement with additional resources that the Psychology department could obtain. This track received unanimous approval.

Revisions to the I/O Psychology MS program – COS. Dr. Barbara Fritzsche gave a summary of these revisions. The department requested to change the overall hours from 40 to 38 for both thesis and non-thesis tracks. A consulting course will be added to the non-thesis track. Modifications to the requirements to take both practicum and seminar were requested. These changes received unanimous approval from the committee.

Revisions to the Data Mining track (Statistical Computing MS) – COS. The changes were presented on this track. The request was to add 3 courses to the electives. All changes received unanimous approval from the committee.

Revisions to the Master of Public Administration – COHPA. Dr. Wolf summarized the revisions to the program. The department has requested to add a thesis option to the program. In addition, the restricted electives courses would be reduced from 12 to 6 hours. These changes received unanimous approval from the committee.

Revisions to the Criminal Justice track (PAF PhD) – COHPA. Dr. Ross Wolf gave a summary of the changes to this track. He explained the reasoning for the 6000 level courses. These courses were put forth at the 6,000 level so that select master's students could enroll in these courses. Students in the CJ, PAF or any other social science doctoral program will be permitted into the courses by the program director. Faculty may also request that select master's students be permitted in. Doctoral student from other programs will also be permitted to take these courses. These changes received unanimous approval from the committee.

Suspend admissions to the Governance and Policy Research Track (PAF PhD) – COHPA. Dr. Ross Wolf gave a summary of the request. This track is not housed within a department in COHPA and has operated as part of the Public Affairs program. This has resulted in limited faculty and reduced support for the track. Existing students in this track could still get content appropriate to their specialization and research areas. The PAF program is proposing to suspend admissions to this track for one year while it evaluates core content. This request was approved unanimously.

Inactivate the Child Language Disorders graduate certificate – COHPA. Dr. Wolf reported that this certificate has already been suspended. The department is requesting to inactivate this certificate. This certificate has had low enrollment and there are currently no students in the certificate at this time. The request received unanimous approval.

Courses and special topics. To review a list of approved courses, please see the attached course minutes. In review of the LAE 7XXX course on Writing, the committee requested that more rigor and specificity was needed. One comment was that this syllabus was more at the 6000 level than the 7000 level. Another suggestion was that the "in literacy" should be left in the title for clarity. There were some questions raised on the POS 7XXX course in *Research Design in Security Studies.* In reviewing the syllabus, the committee indicated that the title of the course did not match the content of the course. There needs to be more rigors in the syllabus to be at the 7000 level and the title needs to match the content. Both courses were tabled and the departments will be contacted regarding additional information needed.

A discussion followed regarding writing courses. One committee member questioned whether the Graduate Council Policy Committee should review these types of courses. The general consensus was that it was fine to have writing courses but that the content of the course be rigorous enough to be considered as a graduate level course. The majority felt that as long as the rigor was sufficient that these types of courses should be approved.

Adjournment. The meeting adjourned at 1:00 pm. The next meeting is scheduled for March 16.

Course Minutes
March 2, 2015

All courses have been approved unless otherwise noted below. Any notations listed refers to the course below the notation.

1. Course Additions

College of Education and Human Performance Course Additions

Tabled. Needs additional rigor and specificity. Keep wording "in literacy" for clarification.

LAE 7XXX	**ED-TL&L**	**3(3,0)**

Seminar on Writing for Professional Publication ~~in Literacy~~: PR: Doctoral student standing and **IDS 7501**. Designed to enhance doctoral-level publication possibilities, this course focuses on establishing students' research trajectories early on and culminates in a manuscript publication. *Summer.*

Abbrev: (21 of 30 chars) Seminar Writ Prof Pub

<u>Discussion with others</u>: I am unaware of any duplications or conflicts across departments or colleges. The Ph.D. in Exceptional Education track has a course on Grant Writing; however, I have spoken to the Ph.D. Coordinator, Dr. Lisa Dieker, and we see no overlap or conflicting goals across these two courses. Likewise, I have spoken with Dr. Glenn Lambie who noted that the Counselor Education track did not have any overlapping or conflicting courses.

<u>Rationale</u>: This course is designed to enhance the scholarly writing skills and the research trajectories of doctoral level students in fields related to literacy. In addition to exploring academic publishing, current issues in literacy across the fields of reading education, writing, language arts, ESOL, communication disorders, school psychology, exceptional education, and fields related to literacy will be highlighted. Most academics become proficient at communicating their ideas and research through trial and error. The thrust of this course is to inform students in ways that might enhance their chances of publishing their manuscripts as Ph.D. students and subsequently as junior faculty.

<u>Majors taking course</u>: PhD in Elementary Education; recommended for PhD in Reading Education Track.

College of Health and Public Affairs Course Additions

HIM 6XXX	**HPA-HMI**	**4(3,1)**

Privacy and Security in Health Care Informatics: PR: Admission to Health Care Informatics program or C.I. Focuses on privacy and security issues associated with health care information. Students will evaluate security audits, regulatory policies/laws, and release of information procedures. *Summer.*

Abbrev: (25 of 30 chars) Privacy & Security in HCI

<u>Discussion with others</u>: The course description and objectives were sent to Dr. Sheau-Dong Lang to verify that he has no issues with this course. Dr. Lang is in charge of the Digital Forensics MS degree. He deferred to Dr. Hassan Foroosh who is the graduate program director. Dr. Foroosh stated via e-mail there were no objections to the Privacy and Security in

Health Care Informatics course.

Rationale: With the HITECH act, all hospitals and medical offices are mandated to switch to an electronic records format. The protection of patient's medical information stored electronically is a priority. The HCI program currently offers a 2 credit hour "Seminar on Current Issues in Health Care Informatics" class which quickly became a course focusing on privacy and security issues. The HCI program no longer feels that a 2 credit hour class is sufficient to equip students with necessary knowledge to be successful in certain health care sector careers. As the content has continued to expand, assignments have also outgrown the 2 credit hour parameter. This Course Action Request was originally initiated by the program in 2014, however, it could not be approved until the HCI program was approved to increase its total credit hours. Due to the market-rate tuition, that approval has taken some time, but was recently received. Therefore, we can move forward with this Course Action. A Special Topics Request is also proposed.

Majors taking course: Health Care Informatics master's program

College of Medicine Course Additions
Tabled. Consult with Spanish Department regarding the syllabus and to ensure no overlap. Consult on possible collaboration.

MDE 8XXX   **COM-MED**   **6(6,0)**

Medical Spanish Elective: PR: At least two years of high school Spanish or equivalent language exposure. Designed for medical students with at least basic Spanish knowledge to improve their understanding of medical Spanish. *Spring, Summer, Fall.*

Abbrev: (24 of 30 chars) Medical Spanish Elective

College of Sciences Course Additions
Tabled. Syllabus needs additional rigor and specificity.

POS 7XXX   **COS-POLS**   **3(3,0)**

Research Design in Security Studies: PR: Consent of instructor. Develop the ability to produce and critique research in the field of Security Studies. *Occasional.*

Abbrev: (30 of 30 chars) Research Design in Sec Studies

Discussion with others: The following departments have been contacted (see attached): English, Writing and Rhetoric, Sociology, Anthropology, Statistics, Public Administration, Criminal Justice. To see approval emails contact Tonya Walker - COS Dean's Office.

Rationale: The course will help advanced doctoral students develop their research skills. Majors taking course: None require; recommended: PhD program in security studies

PSB 6XXX   **COS-PSYCH**   **3(3,0)**

Neuroimaging Design and Analysis Methods: PR: Graduate standing, or CI. Overview and hands-on practice in design of neuroimaging studies and analysis of neuroimaging data. *Spring.* **Abbrev: (30 of 30 chars)** Neuroimag Design & Analys Meth

Discussion with others: We have conferred with the Burnett School of Biomedical Sciences to ensure that the proposed course is not redundant with their existing course offerings in this domain. Emails available upon request.

Rationale: Internal review and comparison with our aspirational peers indicate a weakness in

neuroscience training at the graduate level in the Department of Psychology. This course will be one of four new elective courses offered by the department that compose a new graduate concentration in cognitive neuroscience within the Applied Experimental and Human Factors Ph.D. program track. The initiative has received support from the university in the form of a new tenure-earning faculty position as part of the campus strategic hiring program.

2. Special Topics Additions

College of Education and Human Performance Special Topics Additions

Tabled. Discuss with Department of Social Work for possible conflicts.

MHS 6XXX   **ED-CFCS**   **3(3,0)**

Psychopharmacology for Mental Health Professionals: PR: N/A. Students will learn about medication treatment of psychiatric disorders. In addition, the examination of the efficacy of psychoactive drugs will be discussed. *Occasional.*

Abbrev: (30 of 30 chars) Psychopharmacomentalhealthprof

Discussion with others: Dr. Gulnora Hundley (Counselor Education) contacted Dr. Deborah Beidel (Psychology Department) who indicated that the psychology department does not offer a psychopharmacology course for its students. Furthermore, Dr. Beidel indicated that the department would be interested in allowing its students to enroll in the course. The Social Work Department offers a similar course; however, that course is available to Social Work majors only.

Tabled. Syllabus needs additional rigor and specificity.

LAE 7939   **ED-TL&L**   **3(3,0)**

Seminar on Writing for Professional Publication in Literacy: PR: Doctoral student standing and IDS 7500. Designed to enhance doctoral-level publication possibilities, this course focuses on establishing students' research trajectories early on and culminates in a manuscript submission. *Occasional.*

Abbrev: (22 of 30 chars) Seminar Writ Prof Pubs

Rationale: I am unaware of any duplications or conflicts across departments or colleges. The PhD in Exceptional Education track has a course on Grant Writing; however, I have spoken tot he PhD Coordinator, Dr. Lisa Dieker, and we see no overlap or conflicting goals across these two courses. Likewise, I have spoken with Dr. Glenn Lambie who noted that the Counselor Education track did not have any overlapping or conflicting courses.

College of Health and Public Affairs Special Topics Additions

HIM 6938   **HPA-HMI**   **4(3,1)**

ST: Privacy and Security in Health Care Informatics: PR: Admission to Health Care Informatics. Focuses on privacy and security issues associated with health care information. Students will evaluate security audits, regulatory policies/laws and release of information procedures. *Occasional.*

Abbrev: (29 of 30 chars) ST: Privacy & Security in HCI

Discussion with others: The course description and objectives were sent to Dr. Sheau-Dong Lang to verify that he has no issues with this course. Dr. Lang is in charge of the Digital

Forensics MS degree. He deferred to Dr. Hassan Foroosh who is the graduate program director. Dr. Foroosh stated via e-mail there were no objections to the Privacy and Security in Health Care Informatics course.

Rationale: With the HITECH act, all hospitals and medical offices are mandated to switch to an electronic records format. The protection of patient's medical information stored electronically is a priority. The HCI program currently offers a 2 credit hour "Seminar on Current Issues in Health Care Informatics" class which quickly became a course focusing on privacy and security issues. The HCI program no longer feels that a 2 credit hour class is sufficient to equip students with necessary knowledge to be successful in certain health care sector careers. As the content has continued to expand, assignments have also outgrown the 2 credit hour parameter. A Course Action Request was originally initiated by the program in 2014, however, it could not be approved until the HCI program was approved to increase its total credit hours. Due to the market-rate tuition, that approval has taken some time, but was recently received. Therefore, we can move forward with the Course Action and Special Topics Request.

College of Sciences Special Topics Additions
Tabled. Syllabus needs additional rigor and specificity.

POS 7939   **COS-POLS**   **3(3,0)**

ST: Research Design in Security Studies: PR: Consent of instructor. Develop the ability to produce and critique research in the field of Security Studies. *Occasional.*

Abbrev: (30 of 30 chars) Research Design in Sec Studies

Rationale: The following departments have been contacted (see attached): English, Writing and Rhetoric, Sociology, Anthropology, Statistics, Public Administration, Criminal Justice. Approval available upon request from Tonya Walker - COS Dean's Office.

3. Course Revisions

College of Medicine Course Revisions
Tabled. Split Class. The graduate syllabus should clearly demonstrate more advanced subject matter, expectations, and rigor. Objectives should be more rigorous, all additional projects should be listed, and the assessments should be more advanced with examples given.

MCB 5225   **Molecular Biology of Disease**   **3(3,0)**

PR: Graduate standing or C.I.

An in-depth study of the molecular biological mechanism of diseases in experimental animal models and human populations.

Rationale: This course provides students with an in-depth knowledge of current advances in the molecular mechanisms underlying human diseases. Topics include autoimmunity, neurodegeneration, aging, drug addiction, obesity, and cancer. The course format will consist of lectures, discussions, and student presentations. The aim of this course is to demonstrate how various disciplines can be integrated into modern medicine and how the information can be used for drug discovery in the treatment or cure of human diseases.

Majors taking course: Biomedical MS, Biotechnology MS, Biomedical Ph.D.

There are 3 programs that list MCB 5225: Biotechnology (B.S.),Biomedical Sciences (B.S.),Biomedical Sciences - Preprofessional Concentration (B.S.)

Tabled. Need to review both syllabi since this is a split class.

MCB 5654 ~~**Applied Microbiology**~~ ~~3(~~

~~3,0)~~ **Applied Industrial Microbiology** **3(**

1,6)

PR: MCB ~~3020C~~ 3020C, BSC 3403C or ~~C.I.~~

~~Microbial biochemistry~~ Combination of molecular and biochemical analyses with applied industrial ~~processes including: economics, screening, scale up, quality control and applied genetics.~~ microbiology projects.

Abbrev (24 of 30): ~~Applied Microbiology~~ Applied Industrial Micro

Term Offered: Occasional

Discussion with others: We are unaware of another Applied Industrial Microbiology course. The pilot projects used to establish the presented syllabi involved interdisciplinary collaborations with the laboratories of Dr. Andrew Randall (civil/environmental engineering: quantification of

microbial populations in water treatment bioreactors), Dr. Ayman Abouraddy (CREOL: evaluating the release of antibiotics from novel biofilms), and Dr. James Harper (Chemistry: identifying the species of fungi that produce bioactive compounds). We anticipate continued collaborations with these groups (and others) as the course modules evolve.

Rationale: The existing graduate-level course is under utilized and there is demand for an undergraduate offering in Applied Industrial Microbiology. Rather than create a new course code, a request is made to form a split-level course, which will allow undergraduate training and maintain the existing option for graduate participation. A name change is also requested to better align the title with the intention of the course.

Majors taking course: Biomedical Sciences MS, Biotechnology MS, Biomedical Sciences Ph.D. There are 2 programs that list MCB 5654: Biotechnology (B.S.),Biomedical Sciences (B.S.)

College of Sciences Course Revisions

STA 5703 **Data Mining Methodology I** **3(3,0)**

PR: STA 5104 and STA 5206, graduate status or senior standing, or C.I.

~~Data~~ Supervised data mining techniques for big data analytics to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and ~~Access). Process with~~ Access) process. Techniques covered include regression, decision trees, support vector machines and neural ~~network and decision tree.~~ networks.

Discussion with others: n/a

Rationale: Many new data mining techniques have been developed in the past ten years and this course needs to be modified to reflect these changes.

Majors taking course: Data Mining Track in M.S. in Statistical Computing

There are no programs that list STA 5703.

STA 6704 **Data Mining Methodology II** ~~3(3.0)~~ **3(3,0)**

PR: STA 5703.

Statistical <u>component of unsupervised mining</u> techniques for ~~data~~ mining ~~that~~ <u>big data.</u> <u>Topics</u> include <u>association analysis, clustering analysis, text clustering, time series clustering,</u> discriminant ~~analysis, logistic regression,~~ <u>analysis</u> and factor analysis.

<u>Rationale</u>: Many new data mining techniques have been developed in the past ten years and this course needs to be modified to reflect these changes.

<u>Majors taking course</u>: Data Mining Track in the M.S. in Statistical Computing

<u>There are no programs that list STA 6704.</u>

STA 6714   **Data Preparation**   **3(3,0)**

PR: STA 5104.

~~Variable reduction,~~ <u>Topics covered include missing value imputation, categorical</u> variable clustering, ~~missing value inputation,~~ <u>variable selection, variable transformation, text data</u> processing, <u>time series clustering</u> and ~~data survey. Additional data preparation topics~~ <u>other</u> <u>techniques</u> associated with data <u>preparation for</u> mining ~~techniques.~~ <u>big data.</u>

<u>Discussion with others</u>: n/a

<u>Rationale</u>: Many new data mining techniques have been developed in the past ten years and this course needs to be modified to reflect these changes.

<u>There are no programs that list STA 6714.</u>