

UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of December 02, 2013 meeting

Members Present Deborah Breiter, Tosha Dupras, Charles Kelliher, Joyce Nutta, Max Poole, Terrie Sypolt, Julee Waldrop, Art Weeks, Boris Zeldovich, Antonis Zervos

Recorder Rhonda Nelson

Guests Present Kelly Miller, Harry Weger, David Hagan, Paul Rompf, Arlen Chase, Scott Bukstein, Keith Koons, James Campbell, Janet Andreasen, Patty Hurter, Ranetta Guinn, Maria Cox, Debra Knox

Files [2013-12-02 Meeting Course Minutes](#) 

Welcome and call to order. The meeting was called to order at 12:00 p.m. by Chair Tosha Dupras. A quorum was established. The minutes of the last meeting were reviewed and approved.

Review of Split Classes – CAH. Keith Koons presented information regarding the split classes for Choral and Band Literature. The class would fulfill a curricular gap and entice additional students into the program. These split classes received unanimous approval.

Revisions to the PhD Texts & Technology – CAH. Patty Hurter was available to provide information regarding these revisions. The request was to organize the current elective offerings into areas of specialization. Students will take 9 hours in the specialization area and 9 of interdisciplinary electives. Dr. Poole indicated that it would be up to the program to track the students' progress in taking the courses in the specialization area. This revision received unanimous approval.

Revisions to the MA English, Technical Communication track – CAH. James Campbell presented information regarding the revisions for the track. The request was to add a non-thesis option plus course adds to the restricted electives. These changes received unanimous approval.

Addition of an MD track to the M.S. in Hospitality Management and Tourism – RCHM. Paul Rompf and Richard Pepler provided a summary of the addition of this track. This track will be for students already accepted into the College of Medicine. The track will begin fall of 2014. They will be starting with 4 students in the fall. Students enrolled in this track will experience adoptable elements to affect a cultural change in the practice of medicine in relation to the concept of hospitality and service-oriented business models. A committee member pointed out that there were some unique courses specialized to this group only. The question was if there might be a stronger way to approach this and possibly add some seminars. This track addition received approval from the committee with one abstention.

Revisions to the MS in Sport Business Management program – CBA. Scott Bukstein presented a summary of the revisions. The request was to remove the foundation courses for the MBA, Lockstep MA, EMBA, PMBA, and MSBM tracks. Online modules will be available to students who need to refresh their skills in the materials covered in the foundation courses. This request received unanimous approval.

Revisions to the PhD in Optics Program – COP. David Hagan provided a summary of the revisions. The request was that the minimum of 45 credit hours of formal coursework be reduced to 39 hours. This change would allow students to become more involved in their research work earlier and also be able to enter candidacy a semester sooner. This request received unanimous approval by the committee.

Revisions to the Corporate Communication Certificate – COS. Harry Weger presented the revisions to this certificate. The request was to add a new course along with several course revisions. This request received unanimous approval by the committee.

Revisions to the MA Communication tracks – COS. Harry Weger presented the revisions to this track. The request was to add several new courses along with several course revisions. Add wording to the catalog indicating that all required courses must be completed with a grade of B- or higher under the Required Courses language in the catalog. This request received unanimous approval by the committee.

Review of Material & Supplies Fees. Debra Knox and Ranetta Guinn were available to present information regarding the fee request for courses SPA 6503L and SPA 6942L. The request was to reduce the lab credit hours for these 2 courses from 2 to 1. Each course will be reduced to 1 credit hour of lab that the student takes twice. Lab fee charged will be \$20 per course. This request was approved by the committee with the request for additional clarification on the enrollment and costs.

Revisions to the MS Forensic Science program and track deletions – COS. Tabled. Additional clarification and information needed regarding the curriculum and catalog copy.

Courses and special topics. For a complete list of courses approved by the committee, review the attached course listing.

Other business. A question was raised regarding programs that having been changing their thesis option and if it would be possible to share data regarding programs that have been making this change.

Announcements and adjournment. The meeting was adjourned at 1:30 p.m.

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Course Minutes

December 2, 2013

All courses were approved unless otherwise noted. Any notation refers to the course directly below the notation.

1. Course Additions

College of Arts and Humanities Course Additions

Tabled – discuss with Digital Media for possible conflicts.

HIS 5XXX **CAH-Department of History** **3(3,0) History**
in the Digital Age: PR: Graduate Standing or C.I. Readings in the history, theory, and methodologies of digital historical practices from precedents in New Social History to the present, including use in Public History. *Even Fall.*

Abbrev: (26 of 30 chars) History in the Digital Age

Discussion with others: No conflicts anticipated.

Rationale: To expand the offerings in History and Public History, and remain up-to-date with current and new practices.

Majors taking course: Elective course for History MA

Tabled – discuss with Anthropology for possible conflicts.

HIS 5XXX **CAH-Department of History** **3(3,0)**
Readings in Historic Preservation: PR: HIS 5067 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. *Even Fall.*

Abbrev: (29 of 30 chars) Rdgs in Historic Preservation

Discussion with others: No conflicts anticipated.

Rationale: To expand offerings in History and Public History by introducing students to the field of historic preservation.

Majors taking course: Elective course for History MA students

MUL 5XXX **CAH-Department of Music** **3(3,0)**
SPLIT CLASS

Band Literature: PR: Graduate Standing or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. *Occasional.*

Abbrev: (15 of 30 chars) Band Literature

Discussion with others: n/a

Rationale: This course will provide a valuable elective for Music MA students with a concentration in conducting or music education.

Majors taking course: Music MA students

SPLIT CLASS

MUL 5XXX **CAH-Department of Music** **3(3,0)**

Choral Literature: PR: Graduate Standing or C.I. Survey of choral music from its beginnings to the present with consideration of historical perspective; genres, styles and performance practice; major composers and representative works. *Occasional*.

Abbrev: (17 of 30 chars) Choral Literature

Discussion with others: n/a

Rationale: This course will provide a valuable elective for Music MA students with a concentration in conducting or music education.

Majors taking course: Music MA students

College of Education and Human Performance Course Additions

ED-School of Teaching, Learning, and

ESE 6XXX

Leadership

1(1,0)

Critical Issues in Secondary Education: PR: ESE 6935; CR Graduate Internship. Examination of critical issues in secondary education including classroom and behavior management, technology, and current issues. *Spring, Fall*.

Abbrev: (22 of 30 chars) Critical Issues Sec Ed

Rationale: This course addition is in conjunction with the revision to the Master of Arts in Teaching. This seminar will be required co-requisite with two semesters of graduate internship. This course will address current issues candidates are experiencing in the internship classroom as well as critical issues which change over time. Areas which need to be addressed further will also be incorporated including behavior management and technology.

Majors taking course: All tracks of the Master of Arts in Teaching.

LAE 5XXX

ED-School of Teaching, Learning, and

Leadership

3(3,0)

Disciplinary Literacy in the Content Areas : PR: ~~n/a~~. **Graduate standing**. Designed to assist in understanding the adolescent reader and writer, this course will examine theory, strategies, resources, and implementation options of disciplinary literacy specifically in the content areas (Mathematics, Science, Social Studies, and other content areas). *Spring, Summer*.

Abbrev: (27 of 30 chars) Disc Literacy Content Areas

Rationale: This course will be a new course required in the MAT program.

Majors taking course: 7 of the 9 tracks of the MAT will require the course. All students admitted in summer 2014 could take the course that term.

College of Sciences Course Additions

Tabled. Will bring back with Forensic Science program revisions.

CHS 6XXX

COS-Department of Chemistry

3(3,0)

Forensic Analysis of Explosives: PR: Admission into Forensic Science M.S. program or C.I. Modern analytical methods and protocols for the forensic analysis of low and high explosives. Analysis of pure materials and post-blast residues will be covered along with scene search and recovery protocols. *Odd Spring*.

Abbrev: (22 of 30 chars) Analysis of Explosives

Rationale: The course is added to allow complete coverage of this important topic as part of the Forensic Science M.S. program. The amount of material and importance of the topic justify a full semester course, as opposed to covering the topic in a broader forensic course.

Majors taking course: Forensic Science M.S.

Tabled. Will bring back with Forensic Science program revisions.

CHS 6XXX **COS-Department of Chemistry** **3(3,0)**

Forensic Analysis of Ignitable Liquids: PR: Admission into Forensic Science M.S. or C.I. Modern analytical methods and protocols for the forensic analysis of ignitable liquids. Ignitable liquid production as relates to ASTM classification, sampling methods, databases and modern methods of data analysis. *Even Spring.*

Abbrev: (17 of 30 chars) Ignitable Liquids

Discussion with others: n/a

Rationale: The analysis of ignitable liquids is an important forensic activity in the investigation of potential arson cases. Fire debris analyses are conducted in many forensic laboratories throughout the world. The course is added to allow complete coverage of this important topic as part of the Forensic Science M.S. program. A full semester course is required for a comprehensive study of the topic.

Majors taking course: Forensic Science M.S.

MAA 6XXX **COS-Department of Mathematics** **3(3,0)**

Measure and Probability II: PR: MAA 6XXX (Measure and Probability I), or C.I. Martingales, Markov Processes, stopping times, Brownian motion, Weiner measure *Occasional.*

Abbrev: (26 of 30 chars) Measure and Probability II

Rationale: This is an extension of Measure and Probability I to enable students to understand contemporary issues in probability.

MAA 6XXX **COS-Department of Mathematics** **3(3,0)**

Stochastic Calculus: PR: MAA 6XXX (Probability and Measure II), or C.I. Stochastic integration, Stochastic Differential Equations *Occasional.*

Abbrev: (19 of 30 chars) Stochastic Calculus

Rationale: This enables graduate students in mathematics to be introduced to the ideas of the Stochastic Calculus.

MAP 6XXX **COS-Department of Mathematics** **3(3,0)**

Applied and Computational Harmonic Analysis: PR: MAA 6229 or C.I. Fourier Series, Fourier transform, Littlewood-Paley theory, Heisenberg uncertainty principle, wavelets, frame theory, Karhunen-Loeve transform, comprehensive sensing, matrix completion, phase retrieval, signal processing. *Occasional.*

Abbrev: (28 of 30 chars) App. & Comp. Harmonic Analy.

Rationale: This course will enable students to obtain skills in signal processing.

INR 6XXX **COS-Department of Political Science** **3(3,0)**

The Intelligence Community: PR: Admission to a graduate program, or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control

and reliability questions, and issues of cooperation and coordination. *Occasional*.

Abbrev: (26 of 30 chars) The Intelligence Community

Discussion with others: n/a

Rationale: This course will provide MA and PhD students with an intensive introduction to research on terrorism, as subject matter not currently addressed extensively in the department's offerings.

COM 5XXX **COS-Nicholson School of Communication** **3(3,0)**

Topics in Communication Theory and Research: PR: Admission to Communication MA or C.I. In-depth examination of a particular area of communication theory and research, emphasizing major developments, current uses, implications for research, and overall impact on the field. *Occasional*.

Abbrev: (23 of 30 chars) Topics in Communication

Repeat For Credit: True Max Times: 2

Discussion with others: n/a

Rationale: This course will help expand the electives for MA students and open the opportunity for resident and visiting faculty to offer one-time courses in their area of expertise addressing emerging developments in the field.

PUR 6XXX **COS-Nicholson School of Communication** **3(3,0)**

Communicating Corporate Social Responsibility: PR: Graduate standing or C.I.

Communication processes required for developing, implementing, publicizing, and evaluating corporate social responsibility program in organizations. *Occasional*.

Abbrev: (17 of 30 chars) Communicating CSR

Discussion with others: We are not aware of any. I have attached a response I received from Marketing but I have not yet heard from the Management department Chair.

Rationale: Corporate social responsibility is an increasingly important topic in public relations and strategic communication as organizations strive to adapt to stakeholder expectations for ethical behavior. A communication approach is central to describing the spectrum of behaviors that undergird CSR expectations, organizational responsiveness, and accountability.

Majors taking course: None.

2. Special Topics Additions

College of Arts and Humanities Special Topics Additions

Tabled – discuss with Digital Media for possible conflicts.

HIS 5937 **CAH-Department of History** **3(3,0) History**

in the Digital Age: PR: Graduate Standing or C.I. Readings in the history, theory, and methodologies of digital historical practices from precedents in New Social History to the present, including use in Public History. *Occasional*.

Abbrev: (26 of 30 chars) History in the Digital Age

Discussion with others: No conflicts anticipated.

Rationale: To expand the offerings in History and Public History, and remain up-to-date with current and new practices.

Tabled – discuss with Anthropology for possible conflicts.

HIS 5937 **CAH-Department of History** **3(3,0)**

Readings in Historic Preservation: PR: HIS 5067 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. *Occasional.*

Abbrev: (29 of 30 chars) Rdgs in Historic Preservation

Discussion with others: No conflicts anticipated.

Rationale: To expand offerings in History and Public History by introducing students to the field of historic preservation.

SPLIT CLASS

MUL 5937 **CAH-Department of Music** **3(3,0)**

Band Literature: PR: Admission to the graduate program in Music, graduate standing or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. *Occasional.*

Abbrev: (15 of 30 chars) Band Literature

Discussion with others: n/a

Rationale: At this time, the UCF Music Department does not offer a band literature course at either the graduate or undergraduate levels. This courses seek to fulfill a curricular gap and entice additional students into the program.

SPLIT CLASS

MUL 5937 **CAH-Department of Music** **3(3,0)**

Choral Literature: PR: Admission to the graduate program in Music, Graduate Standing or C.I. Survey of choral music from its beginnings to the present with consideration of historical perspective; genres, styles and performance practice; major composers and representative works. *Occasional.*

Abbrev: (17 of 30 chars) Choral Literature

Discussion with others: n/a

Rationale: At this time, the UCF Music Department does not offer a choral literature course at either the graduate or undergraduate levels. This courses seek to fulfill a curricular gap and entice additional students into the program.

College of Engineering and Computer Science Special Topics Additions

ECS-Department of Electrical Engineering

COP 5937
and Computer Science **3(3,0)**

Advanced Web Programming: PR: COT 3100C. How to build efficient interactive multiuser web applications using modern web technologies such as Node.js. *Occasional.*

Abbrev: (24 of 30 chars) Advanced Web Programming

Discussion with others: The instructor has had discussions with Dr. Mark Llewellyn who teaches two undergraduate courses at the 4000 level on web applications. There would be only minimal overlap at the beginning because this new course covers Node.js, WebRTC, and other advanced topics, which are not addressed in the two undergraduate courses at all.

COT 5937

**ECS-Department of Electrical Engineering
and Computer Science**

3(3,0)

Advanced Cryptography: PR: COT 3100C. This course explains the inner workings of public-key systems and higher-level cryptographic protocols. It introduces senior undergraduate students and graduate students to (1) advanced cryptographic protocols such as multi-party computation and homomorphic encryption, (2) important real-life applications such as e-cash systems, and (3) advanced topics in algorithmic number theory such as lattices and elliptic curves. *Occasional*.

Abbrev: (21 of 30 chars) Advanced Cryptography

College of Nursing Special Topics Additions

NGR 7939L

CON-Department of Nursing

VAR(VAR,VAR) Advanced Clinical Practice Selective for

Advanced Practice Nursing: PR: NGR 7065, 7176

or C.I. Clinical Management of Clients with Complex Health Maintenance, Health Promotion and Illness. *Occasional*.

Abbrev: (29 of 30 chars) Adv. Clin. Practice Selective

Discussion with others: Not applicable

Rationale: Teach out of students in old curriculum

College of Sciences Special Topics Additions

MAP 6938

COS-Department of Mathematics

3(3,0)

Analysis of Low-Dimensional Structures in High-Dimensional Data: PR: MAA 5228

and

MAS 5145, or STA 6326 and STA 6329, or C.I. Integrates modern topics in approximation theory, non-parametric statistics, signal and image processing and learning theory. *Occasional*.

Abbrev: (26 of 30 chars) Low-Dimensional Structures

Discussion with others: Statistics and Computer Science classes cover part of the course but no existing course covers this material. These departments have been consulted and approve.

Rationale: This course will deliver very new methodologies that are either scattered in other courses or have not yet been incorporated into the curriculum.

PUR 6938

COS-Nicholson School of Communication **3(3,0)**

ST: Communicating Corporate Social Responsibility: PR: Graduate standing or C.I.

Communication processes required for developing, implementing, publicizing, and evaluating corporate social responsibility programs in organizations. *Occasional*.

Abbrev: (17 of 30 chars) Communicating CSR

Discussion with others: We are not aware of any. I have attached a response I received from Marketing but I have not yet heard from the Management department Chair.

Rationale: Corporate social responsibility is an increasingly important topic in public relations and strategic communication as organizations strive to adapt to stakeholder expectations for

ethical behavior. A communication approach is central to describing the spectrum of behaviors that undergird CSR expectations, organizational responsiveness, and accountability.

3. Course Revisions

College of Arts and Humanities Course Revisions

LIT 6216 **Issues in Literary Study** **3(3,0)**

PR: Graduate standing in English or C.I.

Specific issues and controversies in literary study. May be used in the degree program a maximum of ~~3~~ 4 times only when course content is different.

Rationale: We need to change the total number of times the course may be taken from three to four. The class is often used as an advised elective and/or an additional class for non-thesis students, it is possible that they may need a fourth iteration of the class. This, of course, will only be allowable when the content is different for each iteration.

Majors taking course: MA in English and MFA in Creative Writing

There are no programs that list LIT 6216.

LIT 6936

PR: Graduate standing and C.I.

Studies in Literary, Cultural, and Textual Theory

3(3,0)

Specific topics in the study of literature that foreground cultural and theoretical issues. May be used in the degree program a maximum of ~~3~~ 4 times only when course content is different.

Rationale: We need to change the total number of times the course may be taken from three to four. The class is often used as an advised elective and/or an additional class for non-thesis students. It is possible that they may need a fourth iteration of the class. This, of course, will only be allowable when the content is different for each iteration.

Majors taking course: MA in English, Creative Writing MFA

There are no programs that list LIT 6936.

Tabled. Check on 5/6000 level ratio on Film courses.

~~ART 5280C~~ ~~Serial Content and Classic Form I~~ ~~3(3,3)~~

ART 5280 **Serial Content** **3(3,0)**

PR: Admission to MFA. Emerging Media MFA or Digital Media MA, graduate standing, or C.I.

Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, Serial content, story forms, interactive narrative theory and the computer as sequenced design concepts practice for art, digital media and tools. film. Traditional and non-traditional forms of visual and interactive storytelling.

Abbrev (14 of 30): Serial Content and Clas Form I Serial Content

Discussion with others: n/a

Rationale: Given the recent merger of the Film Department in the School of Visual Arts and Design (SVAD), and in order to align curriculum across our graduate programs, we will be bringing the Entrepreneurial Digital Cinema track (currently under the Film MFA program) into the Emerging Media MFA program. The two current tracks of the MFA program (Studio Art & the

Computer and Digital Media) will also be revised in order to establish across the three tracks the same number of required credit hours to complete the degree as well as a common core of courses to be taken by students in all three tracks. Course revisions need to be made for the alignment.

Majors taking course: Emerging Media MFA students

There are no programs that list ART 5280C.

College of Education and Human Performance Course Revisions

Tabled. The next 7 CEHP courses were tabled due to a 6000 level prereq.

SCE 5337	Issues and Methods in Secondary School Science	3(3,0)
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PR: EDG 6415, TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate. EDF 6237.

Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum.

Abbrev (33 of 30): ~~Iss & Meth in Sec School Sci~~ Issues Meth Sec School Science Ed

Discussion with others: No duplications or conflicts

Rationale: This course is now recommended to be taken with internship for students in the MAT program. The prerequisite courses listed here are now to be taken prior to internship. Majors taking course: Teacher Education MAT, Science Education all tracks

There are no programs that list SCE 5337.

Tabled.

SSE 5790

Inquiry and Instructional Analysis in Social Science Education 3(3,0) PR: EDG 6415 or admission to Teacher Leadership MEd program or Initial Teacher Professional Preparation certificate. 6415, EDF 6237.

Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching.

Abbrev (35 of 30): ~~Inquiry & Instl Analy Sec Sci~~ Inquiry Inst Anal Soc Sci Education

Term Offered: Fall, Summer

Discussion with others: No duplications or conflicts.

Majors taking course: Teacher Education MAT, Social Science Education

There are no programs that list SSE 5790.

Tabled.

LAE 5346

Methods of Teaching English Language Arts 3(3,0)

PR: EDG 6415 and 6415, EDF 6237, TSL 5085 or CI or admission to Initial Teacher Professional Preparation certificate. 5085.

Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English.

Discussion with others: No duplications or conflicts

Rationale: This course is now recommended to be taken with internship for students in the MAT program. The prerequisite courses listed here are now to be taken prior to internship. Majors taking course: Teacher Education MAT, English Language Arts Track

There are no programs that list LAE 5346.

Tabled.

SCE 5325

Teaching Middle School Science

3(3,0) PR: EDG 6415, TSL 5085 or admission to MED program or Initial Teacher Professional Preparation certificate. EDF 6237.

This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science.

Term Offered: Occasional Fall

Discussion with others: No duplications or conflicts.

Rationale: This course is now recommended to be taken with internship for students in the MAT program. The prerequisite courses listed here are now to be taken prior to internship. Majors taking course: Teacher Education MAT, Middle School Science Track

There are no programs that list SCE 5325.

Tabled.

MAE 5327 Teaching Middle School Mathematics 3(3,0)

PR: ~~EDG 6415 and TSL 5085 or admission to Initial Teacher Professional Preparation certificate.~~ 6415, EDF 6237.

Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered.

Term Offered: ~~Occasional~~ Fall

Discussion with others: No duplications or conflicts.

Rationale: This course is now recommended to be taken with internship for students in the MAT program. The prerequisite courses listed here are now to be taken prior to internship.

Majors taking course: Teacher Education MAT, Middle School Math Education Track

There are no programs that list MAE 5327.

Tabled.

ARE 5359 Teaching Art K-12 4(4,0) PR:

~~Admission to MA in Art Education, graduate standing or C.I.~~ EDG 6415, EDF 6237. Transition from university art practices to public school teaching of art. ~~Organize, design, Organizing, designing, and analyze~~ analyzing art learning experience and activities appropriate for students K-12, elementary and secondary school students.

Term Offered: Fall, Summer

Discussion with others: No duplications or conflicts.

Rationale: This course is now recommended to be taken with internship for students in the MAT Art Education Track. The prerequisite courses listed here are now to be taken prior to internship. Majors taking course: Teacher Education MAT Art Education track students

There are no programs that list ARE 5359.

Tabled. MAE 5336

Current Methods in Secondary School Mathematics 3(3,0)

PR: EDG 6415, ~~TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate.~~ EDF 6237.

Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities.

Term Offered: ~~Occasional~~ Fall

Discussion with others: No duplications or conflicts.

Rationale: This course is now recommended to be taken with internship for students in the MAT program. The prerequisite courses listed here are now to be taken prior to internship. Majors taking course: Teacher Education MAT, Math Education Track

There are no programs that list MAE 5336.

College of Health and Public Affairs Course Revisions

PAD 7827

~~Collaborative Public Management~~

3(3,0)

) **Network Governance**

PR: Admission to Public Affairs Ph.D. program or C.I.

Analysis of theory, skills and processes of designing, developing, evaluating and managing networks in a public policy and management setting with emphasis on building capacity across organization and sectoral boundaries.

Abbrev (18 of 30): ~~Collaborative Public Mgmt~~ Network Governance

Term Offered: ~~Even-Fall~~ Odd Fall, Even Spring

Discussion with others: NA - existing course

Rationale: The complex public problems require productive collaboration across different organizations, professions and sectors. Network governance refers to inclusive and participatory approaches to public/decision-making, collective action and implementation. This course is designed to address ways to work together across institutional, geographic, economic and social boundaries in many different policy domains. The current name does not reflect the broad coverage of this course.

Majors taking course: Public Affairs PhD

There are no programs that list PAD

7827.

College of Sciences Course Revisions

Tabled. Will bring back with Forensics Science program revisions.

CHS 6513

~~QA & Bioinformation~~

3(3,0)

) **Quality Assurance for Forensic Scientists**

PR: Admission into Forensic Science M.S. and C.I. and satisfaction of statistics and biology requirements.

Principles and concepts of Quality Assurance quality assurance for forensic scientists. Includes a description study of current industry wide standards national analytical and procedures for locating, evaluating, and processing information about DNA. accreditation standards.

Abbrev (26 of 30): ~~QA & Bioinformation~~ QA for Forensic Scientists

Term Offered: ~~Occasional~~ Even Fall

Repeat For Credit: ~~No~~ Yes Max Times: 0

Discussion with others: n/a

Rationale: Only a course name change is requested: no change to course syllabus is proposed. The original course title included the term 'Bioinformation' which was meant to represent the intent to give students an awareness of how information could be gleaned from the internet. Fifteen years on, all students are now internet savvy and this heuristic element is no longer necessary: students are expected to be able to retrieve information from the internet. The new course name better reflects the nature of the currently taught course.

Majors taking course: Forensic Science

M.S. There are no programs that list CHS 6513.

MAA 6238

Measure and Probability

3(3,0)

) Measure and Probability I

PR: MAA 5240 6229 or C.I.

Measure and integration, probability measures, The law of large numbers, central limit theorems, random variables, distribution and characteristic functions. Convergence in LP, probability, distribution and with probability one. walks, Poisson processes, stopping times, martingales. **Abbrev (25 of 30): ~~Measure and Probability~~ Measure and Probability I**

Term Offered: ~~Odd Fall~~ Even Fall, Occasional

Rationale: This is an updating of the course to reflect contemporary questions in probability. Majors taking course: Mathematics PhD and MS students

There are no programs that list MAA 6238.

MAP 6408

Applied Mathematics II

3(3,0)

) Perturbations and Asymptotic Methods

PR: MAP 2302 3203, MAS 3105, and MAA 6405 4402, or equivalent: graduate status, or C.I. Asymptotic series, asymptotic expansion of integrals, regular Analysis and singular perturbation expansions, boundary layer, multiple scales, Perturbation Methods, Multiple Scales, Boundary Layers, WKB theory. method, Stationary Phase method, Steepest Descents, Riemann-Lebesgue Lemma

Abbrev (26 of 30): ~~Applied Mathematics II~~ Perturbations &

Asymptotic Rationale: This is a restructuring of the course to increase effectiveness. Majors taking course: Mathematics MS & PhD

There are no programs that list MAP 6408.

MAD 5205

Combinatorics and Graph Theory II

3(3,0)

) Graph Theory I

PR: MAD 4203, graduate status or ~~senior standing~~, or C.I.

Polya's theory of counting; Latin squares Connectivity, Hamilton cycles, spanning trees, network flows, matchings, vertex and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. edge colorings planar graphs, extremal problems, Ramsey theory, spectral graph theory.

Abbrev (14 of 30): ~~Comb & Graph Theory II~~ Graph Theory I

Rationale: This is a restructuring of the course to increase effectiveness. There are no programs that list MAD 5205.

MAD 6309

Advanced Graph Theory I

3(3,0)

) Graph Theory II

PR: MAD 5XXX (Graph Theory I) or C.I.

A seminar devoted mainly to reading papers and presenting their content. Advanced areas Perfect graphs, structure of graph theory will be covered. Primarily for PhD students in

Mathematics and Computer Science: 3-connected graphs, matchings, nowhere zero flows, list coloring, extremal problems, Tutte polynomial, Hadwiger conjecture, Erdos-Hajnal conjecture, Vising's conjecture

Abbrev (15 of 30): ~~Advanced Graph Theory I~~ Graph Theory II

Rationale: This is a restructuring of the course to increase effectiveness. Majors taking course: Mathematics PhD & MS

There are no programs that list MAD 6309.

MAP 6407

Applied Mathematics I

3(3,0)

) Integral Equations and the Calculus of Variations

PR: MAP 2302, 3203 and MAS 3105, MAA 4226, MAA 4402, or graduate standing, or C.I. Linear functionals, calculus Dimensional Analysis and Scaling, Calculus of variations, Hamilton's principle, Rayleigh-Ritz method, Variations, Lagrangian and Hamiltonian Mechanics, Noether's Theorem, Equations of Applied Mechanics, Sturm-Liouville theory, Green's functions for ordinary differential equations, Volterra and Fredholm integral equations. Theory, Integral Equations, Similarity Methods

Abbrev (30 of 30): ~~Applied Mathematics I~~ Int. Equations & Calc. of Var.

Term Offered: Occasional Fall

Rationale: This is a restructuring of the course to increase effectiveness. Majors taking course: Mathematics PhD, MS & Certificate

There are no programs that list MAP 6407.

COM 6303

~~Qualitative Research Methods in Interpersonal Communication~~

3(3,0) Qualitative Research Methods

in Communication

PR: Admission to Communication MA or ~~program consent.~~ C.I.

Examination of qualitative ~~research methods in interpersonal communication,~~ communication with emphasis on collecting interviewing, ethnography, focus groups, observational methods and analyzing ethnographic data. data interpretation.

Abbrev (26 of 30): ~~Interpersonal Qual Research Communication Qual Methods~~

Term Offered: ~~Fall~~ Fall, Spring

Discussion with others: n/a

Rationale: We are streamlining our courses by integrating the Mass and Interpersonal methods courses. There is very little difference between Mass and Interpersonal qualitative methods, by having one instead of two courses, we can plan a more clear progress toward graduation for students without having to substitute the Mass Com for the Interpersonal Com qualitative course or vice versa, which we do quite often to make their GPS fit with graduate requirements. We will change the Mass Communication MA qualitative research requirement to COM 6XXX.

Majors taking course: Mass and Interpersonal Communication MA students

There are no programs that list COM 6303.

4. Course Deletions

College of Business Administration Course Deletions

FIN 6314 **BA-Department of Finance** **3(3,0)**
Management of Financial Institutions PR: Graduate standing and FIN 6406. Analysis of management policies of financial institutions including asset, liability, and capital management. Study of the legal, economic, and regulatory environment faced by banks.
Rationale: Course has not been offered in five years. There are no plans to offer the course in the near future.
There are no programs that list FIN 6314.

FIN 6425 **BA-Department of Finance** **3(3,0)**
Asset Management and Financial Decisions PR: Graduate standing and FIN 6406. Considers the interrelated decision-making process of asset allocations, corporate fundraising, dividend policies, and market maximization.
Rationale: Course has not been offered in five years. There are no plans to offer the course in the near future.
There are no programs that list FIN 6425.

FIN 6475 **BA-Department of Finance** **3(3,0)**
Valuation of Small Businesses PR: Graduate standing and FIN 6406. Theory and practice of estimating the value of small, closely held businesses.
Rationale: Course has not been offered in five years. There are no plans to offer the course in the near future.
There are no programs that list FIN 6475.

5. Course Continuations

College of Sciences Course Continuations

ANG 5272 **COS-Department of Anthropology** **3(3,0)**
Culture, Power and Development PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective.
Rationale: Will offer in Fall 2014.
There are no programs that list ANG 5272.

CHM 5580 **COS-Department of Chemistry** **3(3,0)**
Advanced Physical Chemistry CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure.
Rationale: Offered occasionally, and with anticipated additional faculty hires will offer more frequently.
There is 1 program that lists CHM 5580: Chemistry (B.S.)

CHM 6492 **COS-Department of Chemistry** **3(3,0)**
Atomic Spectroscopy PR: CHM 3120 or C.I. Includes theory and instrumentation for atomic absorption and emission spectroscopy with focus on their applications in various fields including forensic science.
Rationale: Offered occasionally, and with anticipated additional faculty hires will offer more frequently.
There are no programs that list CHM 6492.

MAP 6507 **COS-Department of Mathematics** **3(3,0)**
Wave Propagation through Random Media PR: MAP 2302, EEE 5542, or C.I. Development of mathematical models for laser communications and laser radar in atmospheric turbulence. Free-space propagation of Gaussian beams and classical theories of propagation.
Rationale: Course will be offered in future semesters.
There are no programs that list MAP 6507.

PHY 6673 **COS-Department of Physics** **3(3,0)**
Advanced Quantum Mechanics PR: PHY 6624. Fields, radiation, Klein-Gordon equation, Dirac equation, relativistic quantum scattering, photon propagator.
Rationale: Department plans on offering it in future semesters.
There are no programs that list PHY 6673.

CPO 6075 **COS-Department of Political Science** **3(3,0)**
Comparative Political Economy PR: Graduate standing. Seminar in the political economy of advanced industrial societies, dealing with the interplay of citizens, governments, the economy, and political institutions.
Rationale: Will be offered 15-16' by new faculty.
There are no programs that list CPO 6075.

INR 6108 **COS-Department of Political Science** **3(3,0)**
Seminar in American Foreign Policy PR: Admission to a graduate degree-seeking program or C.I. Domestic and international factors influencing the development of selected foreign policy issues.
Rationale: Will be offered SP15.
There are no programs that list INR 6108.

POS 6743 **COS-Department of Political Science** **3(3,0)**
Geographic Tools for Political Science Research PR: Graduate standing or C.I. Provides an introduction to the theoretical assumptions, analytical possibilities and application of geographic tools of analysis for political science research.
Rationale: Will be offered 15-16' by new faculty.
There are no programs that list POS 6743.

PUP 6938 **COS-Department of Political Science** **3(3,0)**
Special Topics/Public Policy This course title covers all public policy special topics courses which are not listed in the catalog with a course number. May be repeated for credit only when course content is different.

