

**College of Liberal Arts & Sciences**  
**Committee on Curricula & Courses**  
**Minutes for the meeting of 19 October 2010**  
Approved as amended 2 November 2010

Chair John Manning called the meeting to order at 3:33 PM in Room 162 of the Dodd Research Center. Members present: Oksan **Bayulgen** (POLS), Margaret **Breen** (ENGL), Austen **Clark** (PHIL), Thomas **Craemer** (PP), Robert **Cromley** (GEOG), Manisha **Desai** (WS), Jon **Gajewski** (LING), Bob **Gallo** (PNB), Miguel **Gomes** (MCL), Robert **Henning** (PSYC), Douglas **Hamilton** (CLAS), Katrina **Higgins** (CLAS), Vaseli **Kharchenko** (PHYS), David **Knecht** (MCB), Gerald **Leibowitz** (MATH), Paul **Lewis** (EEB), Jocelyn **Linnekin** (ANTH), William **Lott** (ECON), Robert **Michel** (CHEM), Richard **Rockwell** (SOCl) and Shannon **Weaver** (HDFS).

## **I. PRELIMINARIES**

**A. Lewis appointed secretary *pro tem*.**

**B. Minutes of the 5 October 2010 meeting were approved.**

### **C. Chair's report:**

1. Interim course approvals: Approved ANTH 3x95 Special Topics "Global Health (2010-99, below).

**D. Human Rights Major:** Correspondence with R. Hiskes continues as part of a preliminary review process. A full proposal will probably be ready for review at a November meeting. Encouraged to look over draft (hard copies handed out). Next meeting (Nov. 2) Higgins will summarize anticipated questions. Hiskes will probably not have final version until Nov. 16 meeting.

**E. Honors rules changes (status):** Nothing to consider today.

**F. Residence requirement (Senate & CLAS):** Will be some written material to consider at Nov. 16 meeting.

**G. UICC:** Rockwell reported that UICC is getting closer to defining what a UNIV course is and what it isn't. Will all UNIV courses will be S/U graded? If so, no danger of students taking too many UNIV courses because S/U courses cannot be applied to major and there is a limit to the number.

**H. Character & Leadership of this committee:** The dean's proposal to replace it with a differently constituted one was discussed. Hamilton encouraged counterproposals, and will (re)announce how to get on CLAS\_L listserv, where most discussion has taken place. Points made included: (1) in contrary to Dean's insinuation there is, in practice, little influence of either the dean or department heads on committee; (2) attempts to counter Dean's arguments not acknowledged; (3) flexibility on the part of this committee not a good thing when weak proposals are presented; and (4) action of this committee has prevented some poor decisions.

**I. WS proposals.** Hard copies of WS proposals handed out. Re-docketed for discussion Nov. 2, but will actually be pushed to Nov. 16 after Sociology faculty meeting Nov. 3

**J. MCL Proposal: Revised** proposals have been posted. Will consider 6 new MCL courses today, but will probably have to postpone discussion of larger issues (e.g. departmental name change, character and requirements of their graduate programs).

**I. Other points for the good of the order:** Nothing to discuss.

## **II. DEPARTMENTAL COURSE PROPOSALS:**

## I. Proposals postponed from an earlier meeting:

**2010 – 55 Change the Women’s Studies Major:** Postponed.

**2010 – 56 Change WS 1105:** Postponed.

**2010 – 57 Change WS 1124:** Postponed.

**2010 – 58 Change WS 3250:** Postponed.

**2010 – 59 Change WS 3252:** Postponed.

**2010 – 60 Change WS 3267:** Postponed.

**2010 – 61 Change WS 3263:** Postponed.

**2010 – 62 Change WS 3264:** Postponed.

**2010 – 63 Drop WS 3266:** Postponed.

**2010 – 64 Change the WS Minor:** Postponed. *Note: these proposals (2010-55 through-64, have been superseded by revised proposals received too late to be docketed and posted for today. They were distributed in hard-copy format, and will be renumbered and docketed for the 2 November meeting.*

**2010 – 70 Drop the Aquaculture Minor:** Postponed.

**2010 – 71 Change ENGL 1400:** Approved unanimously.

Final catalog listing:

1004. Introduction to Academic Writing

(104) Either semester. Four credits.

Development of the reading and writing skills essential to university work. Students placed in 1004 must pass the course before electing Engl. 1010 or 1011. Not open to students who have passed Engl. 105, 109, 1010, or 1011.

**2010 – 72 Change ENGL 1701:** Approved unanimously.

Final catalog listing:

1701. Creative Writing I

(146) Either semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800.

First course in creative expression. Covers two or more genres (fiction, poetry, creative nonfiction, and drama). Genres vary by section.

**2010 – 80 Change the MCL Graduate Programs [revised 13 Oct; see 2010 – 110ff, below]**

## II. New Departmental Proposals:

**2010 – 83 Change CHEM 1137Q-1138Q:** Approved unanimously.

Final catalog listing:

1137Q-1138Q. Enhanced General Chemistry

(137Q-138Q) Both semesters. Four credits each semester. Three class periods and one 3-hour laboratory period. Prerequisite: One year of high school chemistry. Recommended preparation: MATH 1010Q or equivalent. Prerequisite or corequisite: MATH 1120Q or 1125Q or 1131Q; or consent of instructor. Primarily for majors in chemistry and related disciplines. This course can be used as an alternate wherever CHEM 1127Q-1128Q is listed as a prerequisite. Not open for credit to students who have passed CHEM 1124Q-1125Q-1126Q, or CHEM 1127Q-1128Q or CHEM 1147Q-1148Q.

Atoms, molecules, ions, chemical bonding. Gases, liquids, solids, solutions, equilibrium, thermodynamics, nuclear chemistry, kinetics and organic chemistry. May include modern materials, environmental chemistry, metallurgy, and biochemistry. A fee of \$10 is charged for this course each semester. CA 3-LAB.

**2010 – 84 Change CHEM 1147Q-1148Q:** Approved unanimously.

Final catalog listing:

1147Q-1148Q. Honors General Chemistry

(129Q-130Q) (Honors Course) Both semesters. Four credits each semester. Three class periods and one 3-hour laboratory period. Recommended preparation: MATH 1010Q or equivalent. Prerequisite: Strong background in high school chemistry and physics. Prerequisite or corequisite: MATH 1120Q or 1125Q or

1131Q; consent of instructor. Designed primarily for exceptionally well-prepared science and engineering students, although any qualified honors student may take it. This course can be used as an alternate wherever CHEM 1127Q-1128Q is listed as a prerequisite. Not open for credit to students who have passed CHEM 1127Q-1128Q, or CHEM 1124Q-1125Q-1126Q or CHEM 1137Q-1138Q.

Atomic and molecular theory and the properties of gases, liquids, solids, and solutions. Topics which may be covered in depth are the nature of the chemical bond, chemical equilibria, thermodynamics, electrochemistry and nuclear chemistry. The laboratory work is primarily quantitative in nature.

Considerable personal initiative will be demanded of students in carrying out laboratory assignments. A fee of \$10 is charged for this course each semester. CA 3-LAB.

**2010 – 85 Change CHEM 3332:** Approved unanimously.

Final catalog listing:

3332. Quantitative Analytical Chemistry

(232) Both semesters. Four credits. Two class periods and two 3-hour laboratory periods. Prerequisite: CHEM 1126 or 1128 or 1138 or 1148. Recommended preparation: CHEM 3563.

Fundamentals of analytical chemistry. While it is a course for chemistry majors, it is also suitable for students in other technical fields who have an interest in learning quantitative analytical chemistry procedures applicable to analytical instrumentation. Traditional wet chemical techniques and instrumental methods. Quantitative chemistry and chemical computations. A fee of \$50 is charged for this course.

**2010 – 86 Add CHEM 4370:** Approved unanimously.

Final catalog listing:

4370. Environmental Chemistry I

First semester. Three credits. Pre-requisites: CHEM 2443, 2444, and 2445; corequisites, or prerequisites, CHEM 3332, 3563, or consent of instructor. Intended for senior chemistry majors choosing the environmental chemistry option, or as an elective, and for environmental science majors pursuing a concentration in environmental chemistry.

Sources, transport, effects, fate, analytical chemistry, monitoring and management of chemical species; chemical principles, equilibria and reactions. Water and atmospheric pollution; acid rain, global warming, ozone.

**2010 – 87 Add CHEM 4371:** Approved unanimously.

Final catalog listing:

4371. Environmental Chemistry II

Second semester. Three credits. Prerequisites: CHEM 4370, corequisites, or prerequisites, CHEM 3334, 3564, or consent of instructor. Intended for senior chemistry majors continuing in the environmental chemistry option, or as an elective.

Inorganic metals and organic chemicals in the environment; Energy sources; fossil fuels, nuclear power, fuel cells, and alternatives.

**2010 – 88 Change CHEM 5370:** Approved unanimously.

Final catalog listing:

5370. Environmental Chemistry I

(370) 3 credits. Lecture. Taught concurrently with CHEM 4370.

Sources, transport, effects, fate, analytical chemistry, monitoring and management of chemical species; chemical principles, equilibria and reactions. Water and atmospheric pollution; acid rain, global warming, ozone.

**2010 – 89 Change CHEM 5371:** Approved unanimously.

Final catalog listing:

5371. Environmental Chemistry II

(371) 3 credits. Lecture. Taught concurrently with 4371. Prerequisite: CHEM 5370 or 4370, or instructor consent.

Inorganic metals and organic chemicals in the environment; energy sources; fossil fuels, nuclear power, fuel cells, and alternatives.

**2010 – 90 Change the CHEM Major:** Approved unanimously.

Final catalog listing:

Programs in the Department of Chemistry may lead to either the Bachelor of Arts or the Bachelor of Science degree. In addition, the American Chemical Society (ACS) certifies two more rigorous Bachelor of Science options.

The B.A. degree is appropriate for students who are interested in chemistry but do not wish to pursue a career as a laboratory scientist. The B.S. degrees prepare students to pursue graduate study in Chemistry, or to find employment in technologically oriented industries.

Prospective majors with a good high school chemistry background should take CHEM 1137Q and 1138Q in their first year. Other prospective majors should take 1127Q-1128Q or 1124Q-1125Q-1126Q or 1147Q-1148Q (Honors).

Chemistry majors must complete the following mathematics and physics sequences:

MATH 1131Q and 1132Q (or MATH 1120Q, 1121Q, and 1132Q, or 1125Q, 1126Q and 1132Q)

MATH 2110Q (or 2130Q) and MATH 2410Q (or 2420Q)

PHYS 1201Q-1202Q and 1230 or 1401Q-1402Q, or 1501Q-1502Q, or 1601Q-1602Q.

Failure to complete these sequences by the end of the fourth semester may delay completion of the degree.

A minor in Chemistry is described in the “Minors” section.

Requirements for the B.A. and B.S. degrees are as follows:

Bachelor of Science

At least 35 credits of Chemistry courses numbered 2000 and above must be successfully completed for the Bachelor of Science in Chemistry in addition to the College B.S. requirements.

Bachelor of Science, Chemistry option

The requirements include CHEM 2443, 2444, 2445, (Organic), 3210, 3214, 3215 (Inorganic), 3332, 3334 (Analytical), and 3563, 3564, 3565W (Physical).

Bachelor of Science Chemistry option (ACS certified)

American Chemical Society certification requires an additional course in biochemistry (MCB 3010, or MCB 2000), and one advanced chemistry course chosen from CHEM 3189, 3442W, 3661, 4196W, 4370, 4371, 4551, or a CHEM 5000 level course.

Bachelor of Science, Environmental Chemistry option (ACS certified)

The requirements include those listed above for the ACS certified B.S. degree in Chemistry with the exception of CHEM 3215. In addition, the sequence CHEM 4370 - 4371 (Environmental Chemistry) is required.

Bachelor of Arts

At least 28 credits of Chemistry courses numbered 2000 or above must be successfully completed for the Bachelor of Arts in Chemistry in addition to the College Bachelor of Science requirements. The requirements include those listed above for the B.S. degree Chemistry option with the exception of CHEM 3215 and 3334.

Other requirements

The grade point average in all of the required chemistry courses must be at least 2.300 for the ACS certified degree.

All B.S. students are strongly encouraged to participate in undergraduate research through one or more semesters of CHEM 3189, preferably with a capstone thesis (CHEM 4196W) in the final semester.

To satisfy the computer technology competency, all students must take CHEM 3565W. Other courses that will further enhance competency in computer technology include but are not limited to 3215, 3332, 3334, and 3564.

To satisfy the information literacy competency, all students must take CHEM 3565W. Other courses that further enhance competency in information literacy include 3170W, 3189, 3215, 3334, 3442W, and 4196W.

To satisfy the writing in the major requirement, all students must take CHEM3565W. Other courses that will further help students develop writing skills in chemistry include 3170W, 3442W, and 4196W.

**2010 – 91 Change MATH 2141Q-2142Q:** Approved unanimously.

Final catalog listing:

2141Q. Advanced Calculus I

(243Q) First semester. 4 credits. May be taken for honors credit but open to any qualified student.

Prerequisite: A year of calculus (that may include high school) and instructor consent. MATH 2141Q may be used in place of MATH 1132 or 1151 to fulfill any requirement satisfied by MATH 1131 or 1151.

Rigorous treatment of the mathematics underlying the main results of one-variable calculus. Intended for students with strong interest and ability in mathematics who are already familiar with the computational aspects of basic calculus.

2142Q. Advanced Calculus II

(244Q) Second semester. 4 credits. May be taken for honors credit but open to any qualified student.

Prerequisite: MATH 2141Q or consent of instructor. MATH 2142Q may be used in place of MATH 1132 or 1152 to fulfill any requirement satisfied by MATH 1132 or 1152.

Rigorous treatment of the mathematics underlying the main results of one-variable calculus, continuing MATH 2141Q

**2010 – 92 Change MATH 2143Q-2144Q:** Postponed because 2144Q is missing course description.

**2010 – 93 Change MATH 2620:** Approved unanimously.

Final catalog listing:

2620. Financial Mathematics I

(285) (Also offered as MATH 5620.) First semester. Three credits. Prerequisite: MATH 1132, 1152 or 2141.

Fundamental concepts of financial mathematics, with applications in calculating present and accumulated values for various streams of cash flows as a basis for future use in: reserving, valuation, pricing, duration calculation, asset/liability management, investment income, capital budgeting and valuing contingent cash flows.

**2010 – 94 Change MATH 3150-3151:** Approved unanimously.

Final catalog listing:

3150. Analysis I

(273) Either semester. Three credits. Prerequisite: MATH 2144 or 2410 or 2420; MATH 2142 or 2710.

Introduction to the theory of functions of one real variable.

3151. Analysis II

(274) Spring semester. Three credits. Prerequisite: MATH 3150.

Introduction to the theory of functions of several real variables.

**2010 – 95 Change MATH 3170:** Approved unanimously.

Final catalog listing:

3170. Elementary Stochastic Processes

(232) (Also offered as STAT 3965.) Three credits. Prerequisite: STAT 3025 or 3345 or 3375 or MATH 3160. Not open for credit to students who have passed STAT 3965.

Conditional distributions, discrete and continuous time Markov chains, limit theorems for Markov chains, random walks, Poisson processes, compound and marked Poisson processes, and Brownian motion. Selected applications from actuarial science, biology, engineering, or finance.

**2010 – 96 Change MATH 3210:** Approved unanimously.

Final catalog listing:

3210. Abstract Linear Algebra

(215) Either semester. Alternate years. Three credits. Prerequisite: MATH 2144; or MATH 2210 and 2710.

Vector spaces and linear transformations over fields.

**2010 – 97 Change MATH 3710:** Approved unanimously.

Final catalog listing:

3710. Introduction to Mathematical Modeling

(204) Either semester. Three credits. Prerequisite: MATH 2144 or 2420; or MATH 2210 and 2410. Not open for credit to students who have passed MATH 5530 or 5540, CHEM 305, or PHYS 5350.

Construction of mathematical models in the social, physical, life and management sciences. Linear programming, simple algorithm, duality. Graphical and probabilistic modeling. Stochastic processes, Markov chains and matrices. Basic differential equations and modeling.

**2010 – 98 Change the MATH Major (BA):** Approved unanimously.

Final catalog listing:

Bachelor of Arts in Mathematics: The requirements for the B.A. in Mathematics are 27 credits of 2000-level or above course work in Mathematics and 12 credits of course work in approved related areas. The required courses are:

(1) either (i) MATH 2110Q (or 2130Q), 2210Q, 2410Q (or 2420Q), 2710 (or 2141Q-2142Q) or (ii) MATH 2141Q, 2142Q, 2143Q, 2144Q;

(2) MATH 3150 (or 4110), 3230 (or 4210);

(3) At least 3 additional credits from any of the following courses: MATH 3151, 3210, 3231, 3240, 3250, 3330 (or 4310), and 3370. The remaining courses may come from any 2000-level or above Mathematics courses.

**2010 – 99 Offer ANTH 3095 Special Topics ‘Global Health’:** Approved by chair.

Final catalog listing:

ANTH 3095. Three credits. *Singer*

Basic principles, concepts and frameworks for understanding global health issues and the improvement of health internationally in light of social, cultural, economic, political, biological and environmental factors and international, regional and local factors.

**2010 – 100 Add GEOG 5220):** Approved unanimously subject to editing; edited text given here.

Final catalog listing:

GEOG 5220. Geography of Sustainable Development

3 credits. Seminar

Conceptualizing international development; understanding theories, strategies and ideologies of development; and use of case studies to understand development in practice. Emphasis on the concept of sustainable development and sustainability, grassroots-driven approaches to development, the role of women, and geographic explanations as to how and why uneven development has occurred.

**2010 – 101 Add POLS 2062 & 2062W:** Approved unanimously.

Final catalog listing:

2062. Privacy in the Information Age

Second semester. Three credits.

Thematic overview of privacy from a variety of disciplinary perspectives. Public policy, legal and ethical debates surrounding privacy and the impact of technology and scientific advances on how privacy is conceptualized, valued, enacted, and protected.

2062W. Privacy in the Information Age

Second semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800.

Thematic overview of privacy from a variety of disciplinary perspectives. Public policy, legal and ethical debates surrounding privacy and the impact of technology and scientific advances on how privacy is conceptualized, valued, enacted, and protected.

**2010 – 102 Add POLS 3062 & 3062W:** Approved unanimously.

Final catalog listing:

3062. Democratic Theory

Either semester. Three credits. Recommended preparation: POLS 1002, POLS 3002, or POLS 3012.

Survey of theories of democracy from classical times to the present; analysis of defenders and critics of democracy.

3062W. Democratic Theory

Either semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800. Recommended preparation: POLS 1002, POLS 3002, or POLS 3012.

Survey of theories of democracy from classical times to the present; analysis of defenders and critics of democracy.

**2010 – 103 Add POLS 3012W [variant of POLS 3012]:** Approved unanimously.

Final catalog listing:

3012W. Modern Political Theory. Second semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800; open to juniors or higher.

Major political doctrines of the contemporary period, and their influence upon political movement and institutions as they are reflected in the democratic and nondemocratic forms of government.

**2010 – 104 Add POLS 3625 & 3625W:** *Approved unanimously. Note: The ordinary effect of this approval will be delayed by the chair to permit requested consultation with the Dept of Public Policy.*

Final catalog listing:

3625. *Polling and Public Opinion*

Either semester. Three credits. Prerequisite: open to juniors or higher.

*How public opinion is measured, what it reveals about mass preferences, and how it is used by players in the political system.*

3625W. *Polling and Public Opinion*

Either semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800; open to juniors or higher.

*How public opinion is measured, what it reveals about mass preferences, and how it is used by players in the political system.*

**2010 – 105 Add POLS 3476 & 3476W:** Approved unanimously as revised:

Final catalog listing:

POLS 3476. World Political Leaders First semester. Three credits. Theory and practice of political leadership. Comparison of leaders in different political systems. Leadership in foreign and domestic politics. Case studies of great leaders. POLS 3476W. World Political Leaders First semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800.

Theory and practice of political leadership. Comparison of leaders in different political systems.

Leadership in foreign and domestic politics. Case studies of great leaders.

**2010 – 106 Add POLS 3622 & 3622W:** Approved unanimously.

Final catalog listing:

3622. American Political Leadership  
Either semester. Three credits.  
Study of American political leadership as it relates to political culture, institutions and democratic principles.

3622W. American Political Leadership  
Either semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800.  
Study of American political leadership as it relates to political culture, institutions and democratic principles.

**2010 – 107 Add POLS 3837 & 3837W:** Approved unanimously.

Final catalog listing:

3837. Civil Rights and Legal Mobilization

Either semester. Three credits. Prerequisite: open to juniors or higher.

Strategies used by interest groups to achieve civil rights recognition through the legal system and legislative process.

3837W. Civil Rights and Legal. Mobilization

Either semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 380; open to juniors or higher.

Strategies used by interest groups to achieve civil rights recognition through the legal system and legislative process

**2010 – 108 Add POLS 3822W [variant of POLS 3822]:** Approved unanimously.

Final catalog listing:

3822W. Law and Popular Culture

Either Semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800; open to juniors or higher.

Exploration of themes in the study of law and courts by contrasting scholarly work against representations of such themes in movies, television, and other media of popular culture.

**2010 – 109 Add POLS 1993:** Approved unanimously.

Final catalog listing:

1993. Introductory Foreign Study

Both semesters. Credits (up to a maximum of 6) and hours by arrangement. May be repeated for credit.

Consent of Department Head required, normally to be granted before the student's departure. May not count toward the major.

Special topics taken in a foreign study program covering introductory level material.

**2010 – 110 Rename MCL & Revise Graduate Programs:** Postponed to permit further consultation with faculty In Comparative Literature and Latino Studies (not all of whom are in MCL). Revised copy anticipated.

**2010 – 111 Add LCL 6XXX:** Approved unanimously.

Final catalog listing:

6XXX. Methods and Approaches to Second Language Acquisition

3 credits. Seminar. Open to graduate students in LCL, others with permission.

Exploration and study of various approaches to Foreign Language teaching and learning. Focus on the nature of language learning and methods and approaches to teaching.

**2010 – 112 Add LCL 6010:** Approved unanimously.

Final catalog listing:

6010. Advanced Theory for the Study of Literatures, Cultures and Languages

3 credits. Seminar. Open to graduate students in LCL, others with permission.

Investigations of historical, interdisciplinary and contemporary theoretical parameters and models in literary, visual and cultural studies at the advanced level.

**2010 – 113 Add LCL 6XXY:** Approved unanimously *provisional on reconsideration of the number (should*



*it be 5XXY?).*

*Final catalog listing:*

*6XXY. Research in Language, Culture and Literature Studies*

*1 credit. Lecture. Open to graduate students in LCL, others with permission. May be repeated for credit.*

*Theory and practice of research methods in the fields of literature, language and culture.*

**2010 – 114 Change CLCS 5302:** *Postponed for consultation with Comp. Lit.*

**2010 – 115 Add LCL 5XXB:** Approved unanimously.

*Final catalog listing:*

*5XXB. Film Theory and History*

*3 credits. Seminar.*

*Interdisciplinary study of world cinema through film history and theory. National cinemas and film genres, including Early Cinema, Neorealism, Film Noir, The Western, Political Film, and Documentary.*

**2010 – 116 Add LCL 6XYZ:** Postponed due to discrepancy between LCL 5xyz (in catalog description) and LCL 6xyz (in item 4 of obligatory items).

**Two other LCL proposals on American Sign Language failed to get docketed for this meeting, but will be considered at the next meeting.**

**The Committee adjourned at 6:02pm.**

Submitted by Paul Lewis, Secretary *pro tem*.