# COMMITTEE ON CURRICULA AND COURSES

Jon Gajewski, Chair Approved May 6, 2016.

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# 1 Preliminaries

### Minutes

The minutes of the April 12 meeting were approved by email vote on April 25.

(x) means that a proposal is proposed for CLAS GEAR x.

### Subcommittee business

B.S. Subcommittee is preparing a report to accompany their recommended change to the policy on Plan B B.S.

### Leadership of the committee

The Dean's Office is conducting a search for chair of this committee. Applications are due to the Dean's Office by May 2, 2016. Applicants should contact Associate Dean Davita Silfen Glasberg at

davita.glasberg@uconn.edu

### 2 Approvals by the chair

# 2016-097 Change PSYC 5699 - Research Team In Industrial/Organizational Psychology

Approved Catalog Copy:

PSYC 5699 - Research Team In Industrial/Organizational Psychology Credits: 1-3. Prerequisite: Admission to a graduate degree program in Psychological Sciences (RG 4425). Planning and execution of both individual and collaborative research projects in industrial/organizational psychology. May be repeated for credit.

# 3 Approved Proposals

### 2016-036 Change Biological Sciences major

Approved Catalog Copy:

# **Biology**

The biological sciences are organized into three departments: the Department of Ecology and Evolutionary Biology (EEB), the Department of Molecular and Cell Biology (MCB), and the Department of Physiology and Neurobiology (PNB). Introductory level courses are listed under General Biology (BIOL). Other courses are listed separately under individual departments.

The Bachelor of Science degree is generally recommended for students planning a scientific career in biology, but the Bachelor of Arts degree in Biological Sciences allows a richer liberal arts program and provides good preparation for many careers, including subsequent graduate study.

Credit restriction: In no case may students receive more than 12 credits for courses in biology at the 1000-level.

### **Biological Sciences Major**

The requirements for the major in Biological Sciences are designed to ensure a sound and broad background in biology, with opportunities to explore related fields. Biological Sciences majors must take BIOL 1107 and 1108, but majors interested primarily in botany may wish to take BIOL 1110 in addition or may substitute BIOL 1110 for BIOL 1108. Students wishing to complete this major must take at least 24 credits of 2000-level or higher courses from EEB, MCB, and PNB, of which at least 3 credits must be at the 3000-level or above. It is strongly recommended that at least four courses include laboratory or field work. In addition to laboratory work associated directly with courses, an Independent Study course in any of the three biology departments will provide majors with a means of gaining specific research experience. A maximum of 3 independent study credits from among EEB 3899, MCB 3899, MCB 3989, MCB 4989, and PNB 3299 may count toward the 24-credit requirement. Courses

chosen for the major must include at least one course or course sequence from each of the following three groups:

- A. MCB 2000, 2210, 2400, 2410, 2610, or 3010
- B. EEB 2244/W or 2245/W.
- C. PNB 2250, or 2274-2275. (Note: PNB 2274-2275 must be taken in sequence to be counted towards the Biology major.)

To satisfy the writing in the major and information literacy competency requirements, all students must pass at least one of the following courses: EEB 2244W, 2245W, 3220W, 4230W, 4276W, 4896W, 5335W; MCB 3841W, 4026W, 4997W; PNB 3263WQ, 4296W; or any W course approved for this major.

A maximum of eight 2000-level or above transfer credits in EEB, MCB, or PNB may count toward the major with approval of the respective department.

A minor in Biological Sciences is described in the "Minors" section.

Majors are also offered in Ecology and Evolutionary Biology, Molecular and Cell Biology, Physiology and Neurobiology, and Structural Biology and Biophysics. These majors are described in separate sections in the Catalog.

### 2016-062 Add SPAN 3291. Spanish Internship (S)

Approved Catalog Copy:

### SPAN 3291. Spanish Internship

Up to six credits. Open only with program advisor's consent. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).

Use of linguistic and cultural skills in Spanish in a professional training context such as an internship or in industry in a Spanish-speaking country.

### 2016-063 Add new subject area: Translation Studies (TRST)

### 2016-064 Add TRST 3010. Translating Literature: Practice and Theory

Approved Catalog Copy:

### TRST 3010. Translating Literature: Practice and Theory

Three credits. Working knowledge of a language other than English required.

Introduction to theoretical aspects of literary translation. Translation of a diverse array of literary texts into English.

### 2016-069 Add COMM 4430. International Communication and Conflict

Approved Catalog Copy:

### COMM 4430. International Communication and Conflict

Three credits. Prerequisite: COMM 1000 and COMM 1300; open to juniors or higher. Recommended preparation: COMM 3100 or COMM 3200.

Communication in international conflicts and crises. Negotiation, mediation, and transformational approaches; globalization and the media; communication in war and peace; cultural, social, political, and economic effects.

### 2016-070 Change Communication major

Approved Catalog Copy:

The Department of Communication offers an undergraduate major in Communication. The Communication major is designed to educate students about the social science of communication and introduce them to careers involving communication.

The major examines communication at multiple levels of society and in different settings, including interpersonal, nonverbal, organizational, intercultural, and international communication, as well as through different media, such as mass media, social media, and other new communication technologies. Training in the basic theories, principles, best practices, and current research methods of Communication can qualify students for a variety of communications and media industry positions in business, advertising, public relations, marketing, digital media production, government/politics, and promotion.

The Communication Department offers applied and theory courses:

- Applied courses emphasize the development of professional skills. Applied courses include the following: COMM 2100, 2940, 4800, 4820, 4940, 4991 and, 4992. Applied courses are optional, although they are highly recommended for a variety of career paths.
- Theory courses provide the foundational concepts and principles for the study of Communication. A strong theoretical base prepares students to adapt to future changes in the communication landscape. Theory courses constitute the remaining COMM courses at the 2000 level or above, including the Core courses and COMM 3000Q.

A Major in Communication requires completion of the following:

1. Introductory courses: COMM 1000, 1100, and 1300.

Students must have a grade of "C" or better in COMM 1000. Students in the Communication major should complete these courses by the end of sophomore year, if possible.

- 2. Total credits of upper division communication courses: Students must complete a minimum of 24 credits in Communication at the 2000 level or above (typically 8 COMM courses). Note that many students take more than the minimum of 24 credits in communication, which may consist of additional theory and/or applied classes.
- 3. Research methods: COMM 3000Q.
- 4. Writing-intensive course: At least one W course in the Major.
- 5. Core courses: At least two (2) of the following Core courses: COMM 3100, 3200, 3300
- 6. Theory courses: At least two (2) additional theory courses. If students take a third core communication course, it will count toward this requirement. (Applied courses do not count toward this requirement.)
- 7. Electives: Two more applied or theory courses at a minimum, in order to complete the minimum of 24 credits in communication.
- 8. Related Group Requirement: Students must complete an additional 12 credits of coursework outside of Communication at the 2000 level or above. The Department maintains a list of courses pre-approved as satisfying the related requirement (see the Dept. website). Courses that do not appear on the list must be approved by a Communication advisor.

### Internship

All students are encouraged to do at least one internship (COMM 4991). Internships can be taken during the academic year or summer. Students must have completed 12 credits in Communication courses at the 2000-level or above to be eligible to register for the course and receive internship credit. An internship taken for 3 credits counts as one applied class.

#### Undergraduate Research

The Department encourages students to participate in its research activities, such as the research practicum (COMM 4992).

### **Information Literacy**

To satisfy the information literacy competency, all students must pass COMM 1000, 1100, and 3000Q. Other courses that will further enhance competency in information literacy include COMM 1300, 3100, 3103, 3200, 3300, 3321, 3400, 3450, 3600, 4089, 4100, 4120, 4220W, 4230, 4320, 4330, 4410W, 4420, 4450W, 4451W, 4460, 4500, 4551W, and 4620.

### Writing courses

To satisfy the writing in the major requirement, students must pass at least one course from COMM 2310W, 4220W, 4410W, 4450W, 4451W, 4551W, 4660W, 4930W, 4996W, or any 2000-level or above W course approved for this major. For students interested in media and public relations careers, journalism courses are recommended for additional writing competency.

### Minor in Communication

A minor in Communication is described in the "Minors" section.

### Double majors and dual/multiple degrees

Students are encouraged to meet with a Communication advisor to discuss ways to integrate a major in Communication with other majors and degrees.

#### 2016-071 Add JOUR 3085 Advanced Visual Journalism

Approved Catalog Copy:

### JOUR 3085 Advanced Visual Journalism

Three credits. Prerequisite: JOUR 3065. Open to juniors or higher.

Explores multimedia storytelling through time-based media from a journalistic perspective. Students will develop multimedia narrative skills using photography, videography, and audio to create new media content. May be repeated for credit with change in topic.

### 2016-072a Add ENGL 2610. Digital Literary Studies. (§)

Approved Catalog Copy:

### ENGL 2610 Introduction to Digital Humanities.

3 credits.

Digital Humanities (DH) is the application of digital technology and media to such subjects as art history, music, philosophy, history, literature, government, sociology, economics, anthropology, archaeology, and cultural and area studies. This course will provide a broad survey of the landscape of international and interdisciplinary digital humanities through the lens of ongoing work of faculty and staff researchers at the University of Connecticut.

### 2016-072b Cross list DMD 2610 and ENGL 2610 (S)

Approved Catalog Copy:

### ENGL 2610 Introduction to Digital Humanities.

(Also offered as DMD 2610) 3 credits.

Digital Humanities (DH) is the application of digital technology and media to such subjects as art history, music, philosophy, history, literature, government, sociology, economics, anthropology, archaeology, and cultural and area studies. This course will provide a broad survey of the landscape of international and interdisciplinary digital humanities through the lens of ongoing work of faculty and staff researchers at the University of Connecticut.

#### 2016-072c Add ENGL 2612. Digital Literary Studies. (S)

Approved Catalog Copy:

### ENGL 2612. Digital Literary Studies.

Three credits.

Introduction to the shaping of literature and literary studies by digital technologies, critical

engagement with digital media, and historical and theoretical approaches to media and technology.

### 2016-073 Add ENGL 2627. Topics in Literary Studies (S)

Approved Catalog Copy:

### ENGL 2627. Topics in Literary Studies

Three credits. Prerequisite: ENGL 1010 or 1011 or 2011.

Exploration of various focused topics, such as a particular literary theme, form, or movement, to be announced from semester to semester. May be repeated for credit with a change in topic.

### 2016-074 Add ENGL 3319. Topics in Postcolonial Studies (g)(s)

Approved Catalog Copy:

### ENGL 3319. Topics in Postcolonial Studies

Three credits. Prerequisite: ENGL 1010, 1011, or 2011.

Intensive studies in particular topics pertaining to colonialism, empire, and the postcolonial. CA 4-INT.

### 2016-075 Change American Studies minor

Approved Catalog Copy:

#### American Studies

This minor promotes an interdisciplinary understanding of the complex economic, political, and cultural structures at the root of the societies of the Western Hemisphere. Our studies range from the first immigrations across the land bridge from Siberia, to the colonization of the Americas by Europeans, to the present day. Students may also examine such issues as ethnicity, gender relations, and environmental awareness, and discuss how literary and visual artists have articulated contemporary cultural concerns. Students must complete fifteen credits, including:

- AMST 1201: Introduction to American Studies
- an additional 3 credits of AMST coursework
- 9 credits taken from any of the tracks listed in the American Studies major, and/or courses approved by the Director of American Studies

Courses used to fulfill the student's major field requirements and their related coursework for the major may also be used to fulfill the American Studies minor. To ensure focus, students must provide a brief rationale for their track and course choices.

The minor is offered by the American Studies Program. For more information, contact Chris Vials, Director, at 486-9033.

# 2016-076 Add AMST 6000/ENGL 6800/HIST 6000 American Studies: Methods and Major Texts

Approved Catalog Copy:

# AMST 6000/ENGL 6800/HIST 6000 American Studies: Methods and Major Texts

3 credits. Seminar. Open to graduate students in English, History, and Political Science; open to others with consent.

Introduction to the methodologies and topics of American Studies through a survey of major texts in the field, past and present. Course also provides a history of the field.

# 2016-077 Add AMST 6500/ENGL 6850/HIST 6500. American Studies: Special Topics

Approved Catalog Copy:

## AMST 6500/ENGL 6850/HIST 6500. American Studies: Special Topics

3 credits. Seminar. Open to graduate students in English, History, and Political Science. Others with consent.

Detailed study of a specific topic in American cultural studies with an emphasis on developing skills in interdisciplinary research. Topics vary from semester to semester. May be repeated once for credit with a change in topic.

### 2016-078 Add ANTH 5400. Introduction to Stable Isotopes

Approved Catalog Copy:

### ANTH 5400. Introduction to Stable Isotopes

3 credits. Seminar. Permission of instructor is required.

Introduction to stable isotope theory, methodology, and applications.

### 2016-079 Add ANTH 5450. Paleoclimate Reconstruction

Approved Catalog Copy:

### ANTH 5450. Paleoclimate Reconstruction

3 credits. Seminar. Permission of instructor is required.

The impact of past climate on human societies, from Mid-Pleistocene to late Holocene, discussed in light of modern climatology and paleoclimate reconstruction methods.

### 2016-080 Add PSYC 2208. Sensory Systems Neuroscience

### Full Materials

Proposed Catalog Copy:

### PSYC 2208. Sensory Systems Neuroscience

3 credits. Prerequisite: PSYC 1100 or BIOL 1107 or BIOL 1108. Recommended preparation

### PSYC 2200.

Cellular, circuit and neural systems basis of sensation and perception including evolutionary and ecological differences among mammals.

# 2016-081 Add PSYC 5104. Foundations of Research in the Psychological Sciences I

Approved Catalog Copy: (Approved with two abstentions)

### PSYC 5104. Foundations of Research in the Psychological Sciences I

3 credits. Lecture. Open to graduate students in Psychological Sciences; others by permission. Introduction to the logic of experimental design and data analysis in the psychological sciences; including analysis of group designs, especially analysis of variance, and introduction to hypothesis testing.

# 2016-082 Add PSYC 5105. Foundations of Research in the Psychological Sciences II

Approved Catalog Copy:

### PSYC 5105. Foundations of Research in the Psychological Sciences II

3 credits. Lecture. Prerequisite: PSYC 5104. Open to graduate students in Psychological Sciences; others by permission.

Expands on material covered in PSYC 5104, including the development and application of correlational methods specific to conducting and understanding research in the psychological sciences.

### 2016-084 Add PSYC 5344. The History and Systems of Psychology

Approved Catalog Copy:

### PSYC 5344. The History and Systems of Psychology

1 credit. Seminar. Open to graduate students in Clinical Psychology.

An overview of the trends in philosophy and early psychology that shaped the present course of the discipline.

### 2016-085 Add HEJS 3201 to CA 1 and CLAS GE area B @(s)(b)

### 2016-086 Add ECON 2445. Economic Foundations of Gender Inequality

Approved Catalog Copy:

### ECON 2445. Economic Foundations of Gender Inequality

Three credits. Not open to students who have passed or are taking HRTS 3445 or WGSS 3445.

Economic approaches to gender inequality in political representation, economic opportunities, access to education, and health.

### 2016-087 Add HRTS 3445. Economic Foundations of Gender Inequality

Approved Catalog Copy:

### HRTS 3445: Economic Foundations of Gender Inequality

Three credits. Not open to students who have passed or are taking ECON 2445 or WGSS 3445.

Economic approaches to gender inequality in political representation, economic opportunities, access to education, and health.

### 2016-088 Add WGSS 3445. Economic Foundations of Gender Inequality

Approved Catalog Copy:

### WGSS 3445: Economic Foundations of Gender Inequality

Three credits. Not open to students who have passed or are taking ECON 2445 or HRTS 3445.

Economic approaches to gender inequality in political representation, economic opportunities, access to education, and health.

### 2016-089 Add HRTS 3252. Corporate Social Impact and Responsibility

Approved Catalog Copy:

### HRTS 3252. Corporate Social Impact and Responsibility

Three credits. Open only to non-business students of junior or higher status. Not open to students who have passed or are taking BADM 3252 or BLAW 3252.

Social impact and human rights implications related to global operations of multinational corporations; regulatory environment and competitive context that govern responsible business conduct on a global scale, how to navigate regulatory mandates and design social responsibility strategies to increase a firm's reputation, reduce costs, and improve its competitive positioning while respecting human rights principles.

### 2016-090 Change French major

Approved Catalog Copy:

### French

The French major requires a minimum of 30 credits in 2000-level or above French courses and 12 credits in 2000-level or above "related courses" from departments other than French. All majors must complete the following courses: FREN 3211, 3261W, 3262W, 3268 or 3268W, 3269 and 3257. Students may follow the French for the Global Community track or the French Cultural and Literary Studies track.

French majors pursuing the French for the Global Community track must complete 12 credits, distributed as follows:

FREN 3215, 3216 or 3222; FREN 3217; FREN 3218 or 3250 or 3270W or 3280; FREN 3224 or 3274

French majors pursuing the French Cultural and Literary Studies track must complete 12 credits, distributed as follows:

FREN 3210, 3223 or 3224; FREN 3218, 3230, 3231, 3234, or 3235; FREN 3220, 3221, 3222 or 3250; FREN 3272

Study abroad in our Paris program is required for all French majors. Any of the above courses may be replaced, with advisor approval, by an appropriate FREN 3293 course from study abroad in Paris.

### **Education Abroad in Paris**

French majors must complete at least a semester in the Education Abroad program in a Francophone culture. Students participating in the Paris program attend the University of Paris, and may earn a full academic year's credit at the University of Connecticut and a maximum of 15 credits toward the major in French. The department encourages interdisciplinary work in this program, and wishes students to take courses in other disciplines wherever possible.

To satisfy the writing in the major and information literacy requirements, all majors must take FREN 3261W, 3262W, and 3268W.

A minor in French is described in the "Minors" section.

### 2016-091 Change Latino Studies minor

Approved Catalog Copy:

This minor advances a critical understanding of Latinos/as as an integral social and cultural component of the United States society and of the American hemisphere. Since it employs interdisciplinary research methods, this minor enhances a variety of majors and fields of study.

### Requirements

The Latino Studies minor requires a minimum of 15 credits of coursework. At least nine of these credits must be from courses listed as, or cross-listed with LLAS:

- LLAS 2001, 2011W, 2012, 2995, 3210, 3211, 3998, 3999, 4212;
- LLAS 3241/ANTH 3041
- LLAS 3232/ENGL 3605, LLAS 3233/ENGL 3607,
- LLAS 3250/HDFS 3442, LLAS 3251/HDFS 3268, LLAS 3250/HDFS 3442
- LLAS 3220/HIST 3674, LLAS/HRTS 3221/HIST 3575, LLAS/HIST 3660W
- LLAS 3270/POLS 3662, LLAS/POLS 3667, LLAS 3271/ POLS 3834; LLAS/COMM 4320; LLAS/COMM 4470
- LLAS/SOCI 3525, LLAS/SPAN 3265

• LLAS 3230/WGSS 3258, LLAS 3231/WGSS 3259, LLAS 3264/WGSS 3260/COMM 3321.

Additional courses elected from the following list may be counted for up to six credits permitted toward satisfaction of the required total of fifteen:

- AFRA/HRTS/SOCI 3505; AFRA/SOCI 3501;
- ANTH 3021, 3029, 3042, 3150, 3152;
- ARTH 3640;
- COMM 4450W, 4460, 4802;
- ECON 2444, 2456; LLAS/ECON 2474
- ENGL 3218, 3265W, 4203W;
- HDFS 3421;
- HIST 3554, 3610, 3620, 3621; HIST/LLAS 3608W, 3609, 3619, 3635, 3660W;
- INTD 2245;
- POLS 3218, 3235, 3237;
- SOCI/HRTS 3421/W, 3429, 3831; SOCI 3503, 3901, 3907, 3911, 3971;
- SPAN 3204, 3214, 3266;
- URBN 3276
- WGSS 2267

### 2016-092 Change Latin American Studies minor

Approved Catalog Copy:

The interdisciplinary minor in Latin American Studies offers a basic understanding of the peoples and cultures of Latin America and the Caribbean, their history and contemporary economic, social, and political problems, and the region's relations with the United States.

### Requirements

The minor consists of a minimum of 15 credit hours of course work selected from at least three disciplines distributed from the courses below:

- LLAS 2011W, 2012, 2995, 3293, 3998, 3999, 4212, 4994W;
- ANTH 3021, 3029, 3042, 3150, 3152; ANTH/LLAS 3241;
- ARTH 3610, 3620, 3630, 3640, 3645;

- LLAS/ECON 2474, GEOG 4710;
- HIST 3610, 3619, 3620, 3621, 3622, 3640, 3643, 3650, 4994W; HIST/LLAS 3607, 3608W, 3609, 3635, 3660W;
- POLS 3218, 3235, 3237; POLS 3834/LLAS 3271; POLS/LLAS 3667
- SPAN 3201, 3205, 3207, 3214, 3233, 3234, 3250, 3251, 3254, 3260, 3266; 3267W, SPAN/LLAS 3265

### Language Requirement

(Credits do not apply to minor's 15 credit minimum) Students may demonstrate elementary proficiency in a Latin American language in one of the following ways:

- One 2000-level or above language course
- Pass equivalent language exam administered by the Department of Literatures, Cultures and Languages
- Requirement waived for native speakers

Students minoring in Latin American Studies should also consider participating in an Education Abroad program in Latin America or the Caribbean. Courses taken abroad may be counted toward the minor if they are equivalents of the courses listed above.

The minor is offered by El Instituto: Latino/a, Caribbean and Latin American Studies Institute. For information, contact Anne Gebelein or call 860-486-5508.

# 2016-093 Add HDFS 3XXX. Developmental Approaches to Intergroup Relations and Victimization

#### Full Materials

Proposed Catalog Copy:

# HDFS 3XXX. Developmental Approaches to Intergroup Relations and Victimization

Three credits. Recommended Preparation: HDFS 2001; open to sophomores or higher. Developmental, social-ecological, and social psychological theories of the fundamental processes involved in intergroup relations; cognitive, affective, and social underpinnings of intergroup dynamics; critical issues of diversity and social justice in the lives of children and families; experiences of intergroup discrimination and victimization such as bullying and exclusion; theoretical approaches to improving intergroup relations and tolerance.

### 2016-094 Add PNB 3700. Sensory Physiology

Approved Catalog Copy:

### PNB 3700. Sensory physiology

Three credits. Prerequisite: PNB 2274 or PNB 3251, or instructor consent; open to juniors

or higher.

Cellular and molecular mechanisms supporting the detection of sensory stimuli in vertebrates, invertebrates and other organisms. Detection of chemicals, touch, temperature, pain, sound, light, heat, magnetic fields, and electricity.

### 2015-095 Change Cognitive Science major

Proposed Catalog Copy:

[...]

### Core Courses (16 credits)

COGS 2201, 3584 and four of the following courses: ANTH 3250; CSE 4705; LING 2010Q; PHIL 3250/W; PSYC 2501.

[...]

### Advanced courses (12 credits)

Must include courses from at least 3 departments.

Can include core courses not needed to satisfy the core course requirement.

ANTH 3200; CSE 3500², 3502², 4095; LING 3310Q², 3410Q², 3511Q²; 3610W; PHIL 2210/W, 2212/W, 3241, 3247/W, 3249/W, 3256/W; PNB 3251; PSYC 2200, 2400, 2500, 3100/W, 3470/W³, 3500, 3501, 3502; SLHS 2204, 4245/W, 4254/W [...]

### 2015-096 Change Mathematics majors

Approved Catalog Copy:

### Bachelor of Science in Applied Mathematical Sciences

The requirements for the B.S. in Applied Mathematical Sciences are

- 1. Either
  - (a) MATH 2110Q (or 2130Q), 2210Q, 2410Q (or 2420Q), 2710 (or 2141Q-2142Q); or
  - (b) MATH 2141Q, 2142Q, 2143Q, 2144Q;
- 2. MATH 3150 (or 4110), 3410 (or 3435), 3510, and 3511;
- 3. Two additional courses selected from MATH 3146, 3151, 3160 (or 3165), 3170, 3410, 3435, 3710, and approved sections of 3094 and 3795;
- 4. At least 3 additional credits from MATH 2360Q, 3160 (or 3165), 3210 (or 4210), 3230, 3231, 3240, 3250, 3260, 3330 (or 4310), and approved sections of 3094 and 3795.

In addition, at least 12 credits at the 2000-level or above in approved related areas are required.

### Bachelor of Arts in Applied Mathematical Sciences

The requirements for the B.A. in Applied Mathematical Sciences 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 for the degree are MATH 2110Q (or 2130Q or 2143Q), 2210Q (or 2143Q–2144Q), 2410Q (or 2420Q or 2144Q), 3510, 3410 (or 3435), and 3511.

The remainder of the 27 credits of Mathematics must be chosen from MATH 2710, 3146, 3150 (or 4110), 3160 (or 3165), 3170, 3210 (or 4210), 3250, 3410, 3435, and 3710.

### Bachelor of Science in Mathematics

The requirements for the B.S. in Mathematics are:

- 1. Either
  - (a) MATH 2110Q (or 2130Q), 2210Q, 2410Q (or 2420Q), 2710 (or 2141Q-2142Q); or
  - (b) MATH 2141Q, 2142Q, 2143Q, 2144Q;
- 2. MATH 3150 (or 4110), 3151, 3230 (or 4210);
- 3. At least 6 additional credits from any of the following courses: MATH 2360Q, 3146, 3160 (or 3165), 3170, 3210, 3231, 3240, 3250, 3260, 3330 (or 4310), 3370, 3410, 3435, 3510, 3511, 3710, and approved sections of 3094 and 3795;
- 4. At least 3 additional credits from any of the following courses: MATH 3210, 3231, 3240, 3250, 3330 (or 4310), and 3370. In addition, at least 12 credits at the 2000-level or above in approved related areas are required.

#### Bachelor of Science or Arts in Mathematics-Actuarial Science

The requirements for the B.S. or B.A. degree in Mathematics-Actuarial Science are 36 credits at the 2000-level or above in Mathematics, Statistics, Business, and related areas (in addition to MATH 2110Q or 2130Q or 2143Q).

The required courses are MATH 2210Q (or 2144Q), 2620, 3160 (or 3165), 3630–3631; STAT 3375Q–3445; either MATH 3632 or 3634; and either MATH 2610, HCMI 3221 or 4325.

#### Bachelor of Science or Arts in Mathematics-Actuarial Science-Finance

The requirements for the B.S. or B.A. degree in Mathematics-Actuarial Science-Finance are 36 credits at the 2000-level or above in Mathematics, Statistics, Business, and related areas (in addition to MATH 2110Q or 2130Q or 2143Q) and 15 credits in Finance.

The required courses are MATH 2210Q (or 2144Q), 2620, 3160 (or 3165), 3630, 3631, 3650, 3660; STAT 3375Q, 3445, ACCT 2001, FNCE 3302, 4209, 4302, 4305, either MATH 3632 or 3634; either MATH 2610, HCMI 3221 or 4325, and either FNCE 4306 or 4895. Students should include ECON 1201 and 1202, and a Computer Science course in their program of study as early as possible.

#### Bachelor of Science in Mathematics-Physics

Track B (Mathematics Emphasis)

The required courses for the Mathematics-Physics Major Track B (Mathematics Emphasis) are:

### 1. Either:

- (a) MATH 2110Q (or 2130Q or 2143Q) and 2210Q and 2410Q (or 2420Q and 2710Q (or 2141Q and 2142Q) and 3146; or
- (b) MATH 2141Q and 2142Q and 2143Q and 2144Q and 3146
- 2. All of: PHYS 2300, 2501W, 3101, 3201, 3202, 3401.
- 3. Any 3 credits from: PHYS 2200, 2400, 2502, 3102, 3150, 3300, 3989, 4093, 4095, 4096W, 4098, 4099, 3402, 4100, 4130, 4140, 4150, 4210, 4300, 4350, 4900.
- 4. Any 4 courses from MATH 3150 (or 4110), 3151, 3160 (or 3165), 3210, 3230 (or 4210), 3330 (or 4310), 3370, 3410.

# 4 Tabled Proposals

### 2016-083 Add PSYC 5322 Methods of Child and Family Therapy

Proposed Catalog Copy: - Tabled for consultation with HDFS

### PSYC 5322 Methods of Child and Family Therapy

3 credits. Seminar. Open to graduate students in Clinical Psychology.

Overview of multiple intervention models for therapy with children and families.

# Appendix: Attendance

Committee Mem	Visitors			
Name	Dept.	Present	Name	Dept.
Samuel Martínez	ANTH	Y	Yohei Igarashi	ENGL
Nicholas Leadbeater	CHEM	Y	Gustavo Nanclares	LCL
Katrina Higgins	CLAS	N		
Mansour Ndiaye	CLAS	Y		
Davita Silfen Glasberg	CLAS	N		
Stephen Stifano	COMM	Y		
Richard Langlois	ECON	Y		
Eldridge Adams	EEB	Y		
Hap Fairbanks	ENGL	Y		
John Volin	ENVI	N		
Mark Boyer	EVST	N		
Robert Cromley	GEOG	N		
Kari Adamsons	HDFS	Y		
Melina Pappademos	HIST	N		
Samuel Martínez	HRTS	Y		
Steven Smith	JOUR	Y		
Philip Balma	LCL	Y		
Jon Gajewski	LING	Y		
Anne Gebelein	LLAS	Y		
Heidi Dierssen	MARN	N		
Jeffrey Connors	MATH	Y		
David Knecht	MCB	Y		
Lionel Shapiro	PHIL	Y		
Boris Sinkovic	PHYS	N		
Robert Gallo	PNB	Y		
Meina Cai	POLS	N		
Rob Henning	PSYC	Y		
Ken Dautrich	PUBL	N		
Lendra Friesen	SLHS	Y		
Ralph McNeal	SOCI	Y		
Richard Vitale	STAT	Y		
Margaret Breen	WGSS	Y		