

BROOKLYN COLLEGE  
OF  
THE CITY UNIVERSITY OF NEW YORK  
FACULTY COUNCIL

Meeting of May 10, 2011

**REVISED**

The Committee on Undergraduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 346.

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Note: All curriculum proposals will now include only new course numbers, wherever possible, with old numbers used only when there is no corresponding new number.

Respectfully submitted,

Isabelle Barriere (Speech Communication Arts and Sciences)  
Herve Queneau (Finance & Business Management)  
Mark Rosenberg (Student member)  
Doug Schwab (Art)  
Jeffrey Suzuki (Mathematics)  
Aaron Tenenbaum (Computer & Information Science, Chair)

Members of Faculty Council with any questions are urged to contact Aaron Tenenbaum at [tbaum@sci.brooklyn.cuny.edu](mailto:tbaum@sci.brooklyn.cuny.edu) or (718) 951-5657 prior to the meeting.

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## **SECTION A-III: CHANGES IN DEGREE PROGRAMS**

### **Department of Chemistry**

#### **Minor in Biochemistry**

##### **Department Requirements**

Biology 2073; Chemistry 1100, or both 1050 and 2050; Chemistry 2100; Chemistry 3410 or 3415W or Biology 2074 or Biology 1002; Chemistry 3510, 3520, 4570; Chemistry 4580 or 4581

**Rationale:** The Department of Biology will no longer offer Biology 2074. The bulk of the material for this course is contained in Biology 1002. The Department of Chemistry has reviewed the syllabus for the course and concluded it meets the needs of students seeking degree in biochemistry minor.

**Date of departmental approval:** April 12, 2011

**Effective Date:** Fall 2012

## SECTION A-IV: NEW COURSES

### Department of Chemistry

#### **3511 Organic Chemistry I Lecture**

3 hours lecture, 1 hour recitation; 3 credits

Structure and properties of fundamental classes of organic compounds. Emphasis on reactivity, reaction mechanisms, synthesis, stereochemistry, and applications to allied fields. First semester of a two-semester sequence intended for students interested in science and in health professional programs including medical, dental and pharmacy school. (Students who have taken Chemistry 2500 will lose credit for Chemistry 2500 upon successful completion of this course.)

Prerequisite: Chemistry 2100

Prerequisite or co-requisite: Chemistry 3510 or Chemistry 3512

**Frequency of offering:** Every semester

**Projected enrollment:** 150-250

**Clearances:** None

**Rationale :** The purpose of this document is to break the current first semester of organic chemistry (Organic Chemistry I, Chemistry 3510) into two separate courses: Chemistry 3511 (lecture) and Chemistry 3512 (laboratory). The material covered will remain the same, and the courses will remain pre-/corequisites for each other. There are several reasons for splitting Chemistry 3510 into two separate courses.

1. Faculty involved in the course have reached a consensus that the instructors for the laboratory component of the course should receive more formal training. This is more easily accomplished if the laboratory and lecture are split, and a coordinator is appointed. The coordinator, a member of the department's full-time teaching staff, can be appointed for multiple semesters to maintain continuity and establish best practices.
2. Students frequently have difficulty with the lecture portion of the course but successfully complete the laboratory. When repeating the course they may be exempted from repeating the laboratory if their earlier performance warranted exemption, but they are still paying fees for the full 5-credit course. Splitting the course allows a reduction in cost to students in this position.

**Program/ Department Goals Addressed by Course:** The Department's goals both for students pursuing a career in chemical sciences and for those pursuing professional or scientific careers in related fields includes the following goal:

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- Familiarity with basic chemical theory commensurate with the level of coursework achieved.

This course is an introduction to organic chemistry and exposes students to fundamental topics in the field. A background in this area is essential in chemistry, in the life sciences and in medical professions.

**Date of Departmental Approval:** April 12, 2011

**Effective date:** Fall 2012

## SECTION A-IV: NEW COURSES

### Department of Chemistry

#### **3512 Organic Chemistry I Laboratory**

4 hours laboratory; 2 credits

An introduction to basic laboratory skills of organic chemistry including distillation, synthesis, and purification techniques such as column chromatography.

Prerequisite: Chemistry 2100

Prerequisite or co-requisite: Chemistry 3510 or 3511

**Frequency of offering:** Every semester

**Projected enrollment:** 150 to 250 students

**Clearances:** None

**Rationale :** The purpose of this document is to break the current first semester of organic chemistry (Organic Chemistry I, Chemistry 3510) into two separate courses: Chemistry 3511 (lecture) and Chemistry 3512 (laboratory). The material covered will remain the same, and the courses will remain pre-/corequisites for each other. There are several reasons for splitting Chemistry 3510 into two separate courses.

1. Faculty involved in the course have reached a consensus that the instructors for the laboratory component of the course should receive more formal training. This is more easily accomplished if the laboratory and lecture are split, and a coordinator is appointed. The coordinator, a member of the department's full-time teaching staff, can be appointed for multiple semesters to maintain continuity and establish best practices.
2. Students frequently have difficulty with the lecture portion of the course but successfully complete the laboratory. When repeating the course they may be exempted from repeating the laboratory if their earlier performance warranted exemption, but they are still paying fees for the full 5-credit course. Splitting the course allows a reduction in cost to students in this position.

**Department Goals Addressed by the Course:** The Department's goals both for students pursuing a career in chemical sciences and for those pursuing professional or scientific careers in related fields includes the following goals:

- Familiarity with common laboratory techniques commensurate with the level of coursework achieved.

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- The ability to follow guidelines for good scientific practice, including the maintenance of experimental records and the use of safety equipment, commensurate with the level of coursework achieved.

This course is an introduction to laboratory techniques in organic chemistry and exposes students to common protocols and instrumentation used in the field. A background in this area is essential in chemistry, in the life sciences and in medical professions.

**Date of departmental approval:** April 12, 2011

**Effective Date:** Fall 2012

## SECTION A-IV: NEW COURSES

### Department of Chemistry

#### **3521 Organic Chemistry II Lecture**

3 hours lecture, 1 hour recitation; 3 credits

Continuation of Chemistry 3511. Different classes of compounds, including biomolecules and polymers, with a greater emphasis on reaction mechanisms and synthesis. A second semester of a two-semester sequence intended for students interested in science and in health professional programs including medical, dental and pharmacy school. (Students who have taken Chemistry 2500 will lose credit for Chemistry 2500 upon successful completion of this course.)

Prerequisite: Chemistry 3511 and Chemistry 3512; or Chemistry 3510

Prerequisite or co-requisite: Chemistry 3522

**Frequency of offering:** Every semester

**Projected enrollment:** 150-250

**Clearances:** None

**Rationale :** The purpose of this document is to break the current second semester of organic chemistry (Organic Chemistry II, Chemistry 3520) into two separate courses: Chemistry 3521 (lecture) and Chemistry 3522 (laboratory). The material covered will remain the same, and the courses will be pre-/corequisites for each other. There are several reasons for splitting Chemistry 3520 into two separate courses.

1. Faculty involved in the course have reached a consensus that the instructors for the laboratory component of the course should receive more formal training. This is more easily accomplished if the laboratory and lecture are split, and a coordinator is appointed. The coordinator, a member of the department's full-time teaching staff, can be appointed for multiple semesters to maintain continuity and establish best practices.
2. Students frequently have difficulty with the lecture portion of the course but successfully complete the laboratory. When repeating the course they may be exempted from repeating the laboratory if their earlier performance warranted exemption, but they are still paying fees for the full 5-credit course. Splitting the course allows a reduction in cost to students in this position.

**Department Goals Addressed by the Course:** The Department's goals both for students pursuing a career in chemical sciences and for those pursuing professional or scientific careers in related fields includes the following goal:

- Familiarity with basic chemical theory commensurate with the level of coursework achieved.

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

This course is an introduction to organic chemistry and exposes students to fundamental topics in the field. A background in this area is essential in chemistry, in the life sciences and in medical professions.

**Date of departmental approval:** April 12, 2011

**Effective Date:** Fall 2012

## SECTION A-IV: NEW COURSES

### Department of Chemistry

#### **3522 Organic Chemistry II Laboratory**

4 hours laboratory; 2 credits

An introduction to basic laboratory skills of organic chemistry. Emphasis is placed on qualitative analysis and spectroscopic identification of compounds.

Prerequisite or Corequisite: Chemistry 3520 or 3521.

**Frequency of offering:** Every semester

**Projected enrollment:** 150-250 students

**Clearances:** None

**Rationale :** The purpose of this document is to break the current second semester of organic chemistry (Organic Chemistry II, Chemistry 3520) into two separate courses: Chemistry 3521 (lecture) and Chemistry 3522 (laboratory). The material covered will remain the same, and the courses will be pre-/corequisites for each other. There are several reasons for splitting Chemistry 3520 into two separate courses.

1. Faculty involved in the course have reached a consensus that the instructors for the laboratory component of the course should receive more formal training. This is more easily accomplished if the laboratory and lecture are split, and a coordinator is appointed. The coordinator, a member of the department's full-time teaching staff, can be appointed for multiple semesters to maintain continuity and establish best practices.
2. Students frequently have difficulty with the lecture portion of the course but successfully complete the laboratory. When repeating the course they may be exempted from repeating the laboratory if their earlier performance warranted exemption, but they are still paying fees for the full 5-credit course. Splitting the course allows a reduction in cost to students in this position.

**Department Goals Addressed by the Course:** The Department's goals both for students pursuing a career in chemical sciences and for those pursuing professional or scientific careers in related fields includes the following goals:

- Familiarity with common laboratory techniques commensurate with the level of coursework achieved.
- The ability to follow guidelines for good scientific practice, including the maintenance of experimental records and the use of safety equipment, commensurate with the level of coursework achieved.

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

This course is an introduction to laboratory techniques in organic chemistry and exposes students to common protocols and instrumentation used in the field. A background in this area is essential in chemistry, in the life sciences and in medical professions.

**Date of departmental approval:** April 12, 2011

**Effective Date of the Change:** Fall 2012

## SECTION A-V CHANGES IN EXISTING COURSES

### Program in Women's Studies

Change in course number

#### FROM:

#### **1002: Fundamental Concepts in LGBTQ Studies**

3 hours; 3 credits

Concepts, theories, and texts central to the study of lesbian, gay, bisexual, transgender, and queer experience: definitions of sex, gender, sexuality, sexual orientation; queer theory; intersections of sexuality, race, gender, ethnicity, (dis)ability, and class; study of LGBTQ (lesbian, gay, bisexual, transgender and queer) politics, communities, identities, and new social movements; representations of gender and sexuality in popular culture, religion, arts, literature, and visual culture; examination of different disciplinary and methodological approaches.

*Prerequisite:* Core Curriculum 1230 or Women's Studies 1001 or permission of the coordinator.

#### TO:

#### **2100: Fundamental Concepts in LGBTQ Studies**

3 hours; 3 credits

Concepts, theories, and texts central to the study of lesbian, gay, bisexual, transgender, and queer experience: definitions of sex, gender, sexuality, sexual orientation; queer theory; intersections of sexuality, race, gender, ethnicity, (dis)ability, and class; study of LGBTQ (lesbian, gay, bisexual, transgender and queer) politics, communities, identities, and new social movements; representations of gender and sexuality in popular culture, religion, arts, literature, and visual culture; examination of different disciplinary and methodological approaches.

*Prerequisite:* Core Curriculum 1230 or Women's Studies 1001 or permission of the coordinator.

**Rationale:** At the time of renumbering courses, this course was mistakenly given an introductory course number. The course is an elective beyond the introductory level. The new course number reflects its elective status. This change will circumvent difficulties encountered especially by students minoring in LGBTQ studies in counting this course toward their minor.

**Date of program approval:** April 7, 2011

**Effective date:** Fall 2012

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

**APPENDIX**

**Special Topics:** The committee has approved the following special topics for the term indicated and informed the Provost of the committee's approval. These items do not require Faculty Council action and are announced here for information only.

*Second offering in Fall 2011*

POLS 3501 Special Topics: Legal Internships

*First offering in Fall 2011*

BIOL 5020 Special Topics: Immunology