CLAS C&C

Chair: Pamela Bedore

9.24.2019, 3:30-5:30PM, Oak 408

Agenda Part I – Catalog Copy

**A. Guest: Juli Wade (3:30-4:00PM)**

**B. Approvals by the Chair**

2019-233 MARN 4895 Add Special Topic: Experimental Design in Marine Ecology

2019-234 MARN 5995 Add Special Topic: Experimental Design in Marine Ecology

2019-235 MCB 5896 Add Special Topic: Introduction to Molecular Dynamics Simulations

**C. New Business (begins at 4:00 PM)**

2019-236 POLS 2023/W Add Course (G) (S) (guest: Jane Gordon)

2019-237 HIST 1600/LLAS 1190/W Revise Course (G) (S) (guest: Charles Lansing)

2019-238 HIST 3350 Revise Course (S) (guest: Charles Lansing)

2019-239 HIST 3421 Revise Course (S) (guest: Charles Lansing)

2019-240 HIST 3470 Revise Course (S) (guest: Charles Lansing)

2019-241 HIST 3471 Revise Course (S) (guest: Charles Lansing)

2019-242 HIST 3570 Revise Course (G) (S) (guest: Charles Lansing)

2019-243 HIST 3832 Revise Course (S)

2019-244 HIST/URBN 3541/W Revise Course (G) (S)

2019-245 EEB 2250 Revise Course (G) (S)

2019-246 EEB 5813 Add Course

2019-247 ECON/MAST 2467 Revise Course (S)

2019-248 MARN/MAST 1001E Revise Course (G) (S)

2019-249 MCB 3849W Add Course (G) (S)

2019-250 Anthropology of Global Health Add Minor

2019-251 LING/PHIL Revise Major

2019-252 HDFS 2001 Revise Course (G) (S)

2019-253 HDFS 2004W Revise Course (G) (S)

2019-254 HDFS 3087 Revise Course

2019-255 HDFS 3092 Revise Course

2019-256 HDFS 3098 Revise Course

2019-257 HDFS 5000 Revise Course

2019-258 HDFS 5001 Revise Course

2019-259 HDFS 5003 Revise Course

2019-260 HDFS 5004 Revise Course

2019-261 HDFS 5005 Revise Course

2019-262 HDFS 5010 Revise Course

2019-263 HDFS 5030 Revise Course

2019-264 HDFS 5095 Revise Course

2019-265 HDFS 5098 Revise Course

2019-266 FREN 5369 Revise Course

2019-267 FREN 5370 Drop Course

2019-268 GERM 1001 Revise Course (G) (S)

2019-269 GERM 1002 Revise Course (G) (S)

2019-270 GERM 1003 Revise Course (S)

2019-271 GERM 1004 Revise Course (S)

2019-289 SPAN Revise Major

**D. Courses for Inclusion on Hyphenated-Course Omnibus Motion**

**(*Please review ahead of the meeting – we will discuss only as needed*)**

2019-272 SPAN 1001 Revise Course (G) (S)

2019-273 SPAN 1002 Revise Course (G) (S)

2019-274 SPAN 1003 Revise Course (S)

2019-275 SPAN 1004 Revise Course (S)

2019-276 CHEM 1127Q Revise Course (G) (S)

2019-277 CHEM 1128Q Revise Course (G) (S)

2019-278 CHEM 1137Q Revise Course (G) (S)

2019-279 CHEM 1138Q Revise Course (G) (S)

2019-280 CHEM 1147Q Revise Course (G) (S)

2019-281 CHEM 1148Q Revise Course (G) (S)

2019-282 CHEM 3563 Revise Course

2019-283 CHEM 3564 Revise Course

2019-284 MATH 2010Q Revise Course (G) (S)

2019-285 MATH 2011Q Revise Course (G) (S)

2019-286 MATH 2141Q Revise Course (G) (S)

2019-287 MATH 2142Q Revise Course (G) (S)

2019-288 MATH 2143Q Revise Course (G) (S)

2019-290 MATH 2144Q Revise Course (G) (S)

**E. Announcements and Discussion**

**General Education Revision Updates**

The Delta 2 General Education Taskforce met 9.20.2019. As the first order of business, the committee is putting together a list of challenges and questions upon which to base working groups at the next meeting (10.4.2019). Please come to our meeting with your list. ☺

**Next Meeting of CLAS C&C: Tues, 10.29.2019, 3:30-5:30PM, Oak 408**

**CATALOG COPY:**

**2019-236 POLS 2023/W Add Course (G) (S) (guest: Jane Gordon)**

*Proposed Copy:*

POLS 2023. Political Theory in Film.

Three Credits. Prerequisite: Open to sophomores or higher. Recommended Preparation: POLS 1002. Exploration of political theoretical questions through essays and films. POLS 2023W.

Political Theory in Film. Three Credits. Prerequisite: ENGL 1010 or 1011 or 2011. Open to sophomores or higher. Recommended Preparation: POLS 1002.

**2019-237 HIST 1600/LLAS 1190/W Revise Course (G) (S) (guest: Charles Lansing)**

*Current Copy:*

LLAS 1190. Introduction to Latin America and the Caribbean.

(also offered as HIST 1600)

Three credits.

Multidisciplinary exploration of the historical development of such aspects of Latin America and the Caribbean as colonization and nation formation; geography and the environment; immigration and migration; race, ethnicity, and gender in society, politics, economy, and culture. CA 1. CA 4-INT.

LLAS 1190W. Introduction to Latin America and the Caribbean.

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

*Proposed Copy:*

LLAS 1190. Introduction to Latin America and the Caribbean.

(also offered as HIST 1600)

Three credits.

Multidisciplinary exploration of the historical development of such aspects of Latin America and the Caribbean as colonization and nation formation; geography and the environment; immigration and migration; race, ethnicity, and gender in society, politics, economy, and culture. CA 1. CA 4-INT.

LLAS 1190W. Introduction to Latin America and the Caribbean.

(also offered as HIST 1600W)

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

**2019-238 HIST 3350 Revise Course (S) (guest: Charles Lansing)**

*Current Copy:*

HIST 3350. Byzantium

Three credits.

A survey of the major developments from the fourth through the fifteenth centuries: religious controversies, the theme system, the Crusades, Byzantine civilization, its law, art, literature, and its impact upon European and Russian civilization.

*Proposed Copy:*

HIST 2350. Byzantium

Three credits.

A survey of the major developments from the fourth through the fifteenth centuries: religious controversies, the theme system, the Crusades, Byzantine civilization, its law, art, literature, and its impact upon European and Russian civilization.

**2019-239 HIST 3421 Revise Course (S) (guest: Charles Lansing)**

*Current Copy:*

HIST 3421. History of Modern England

Three credits.

Cultural, political, economic, and intellectual development of modern Britain, with special emphasis on changing ideas of national identity.

*Proposed Copy:*

HIST 2421. History of Modern England

Three credits.

Cultural, political, economic, and intellectual development of modern Britain, with special emphasis on changing ideas of national identity.

**2019-240 HIST 3470 Revise Course (S) (guest: Charles Lansing)**

*Current Copy:*

HIST 3470. Medieval and Imperial Russia to 1855

Three credits.

The development of Russia from the emergence of the Slavs to the reign of Alexander II. Russian political institutions, orthodoxy and cultural traditions, nobility, peasantry, and townsmen.

*Proposed Copy:*

HIST 2470. Medieval and Imperial Russia to 1855

Three credits.

The development of Russia from the emergence of the Slavs to the reign of Alexander II. Russian political institutions, orthodoxy and cultural traditions, nobility, peasantry, and townsmen.

**2019-241 HIST 3471 Revise Course (S) (guest: Charles Lansing)**

*Current Copy:*

HIST 3471. History of Russia Since 1855

Three credits. Recommended preparation: HIST 3470.

Continuation of History 3470. Late imperial Russia, the former Soviet Union, and contemporary Russia.

*Proposed Copy:*

HIST 2471. History of Russia Since 1855

Three credits. Recommended preparation: HIST 2470.

Continuation of History 2470. Late imperial Russia, the former Soviet Union, and contemporary Russia.

**2019-242 HIST 3570 Revise Course (G) (S) (guest: Charles Lansing)**

*Current Copy:*

HIST 3570. American Indian History

Three credits.

Surveys American Indian History in what is now the United States from precolumbian times up to the present. Cultural diversity among Indian peoples the effects of European contact, tribal sovereignty, and other current issues. CA 4.

*Proposed Copy:*

HIST 2570. American Indian History

Three credits.

Surveys American Indian History in what is now the United States from precolumbian times up to the present. Cultural diversity among Indian peoples the effects of European contact, tribal sovereignty, and other current issues. CA 4.

**2019-243 HIST 3832 Revise Course (S)**

*Current Copy:*

HIST 3832. Modern Japan

Three credits.

Examines the dawn of the modern era to the present day in a place we call Japan. In each of our readings, we will seek to understand what constitutes, as one scholar put it, "history versus the radiant myth of belonging."

*Proposed Copy:*

HIST 2832. Modern Japan

Three credits.

Examines the dawn of the modern era to the present day in a place we call Japan. In each of our readings, we will seek to understand what constitutes, as one scholar put it, "history versus the radiant myth of belonging."

**2019-244 HIST/URBN 3541/W Revise Course (G) (S)**

*Current Copy:*

HIST 3541. The History of Urban America

(also offered as URBN 3541)

Three credits.

The development of Urban America with emphasis on social, political, physical, and environmental change in the industrial city.

HIST 3541W. The History of Urban America

(also offered as URBN 3541W)

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

*Proposed Copy:*

HIST 2541. The History of Urban America

(also offered as URBN 2541)

Three credits.

The development of Urban America with emphasis on social, political, physical, and environmental change in the industrial city.

HIST 2541W. The History of Urban America

(also offered as URBN 2541W)

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

**2019-245 EEB 2250 Revise Course (G) (S)**

*Current Copy:*

EEB 2250 Introduction to Plant Physiology

Three credits. BIOL 1107 or 1108 or 1110 or equivalent.

This course will explore the unique physiological processes of plants that underlie their capacity to grow, develop, and sense and respond to the environment. Topics will include photosynthesis, water and nutrient uptake, long distance transport, signals and signal transduction, growth and development, and environmental interactions (biotic and abiotic).

*Proposed Copy:*

EEB 2250 Introduction to Plant Physiology

Three credits. BIOL 1107 or 1108 or 1110 or instructor consent.

This course will explore the unique physiological processes of plants that underlie their capacity to grow, develop, and sense and respond to the environment. Topics will include photosynthesis, water and nutrient uptake, long distance transport, signals and signal transduction, growth and development, and environmental interactions (biotic and abiotic), including climate change. CA3.

**2019-246 EEB 5813 Add Course**

*Proposed Copy:*

EEB 5813. Evolutionary Ecology

Three credits. Prerequisite: Open only to graduate students in biological sciences and related fields, others with consent.

Unifies ecological and evolutionary thinking about shared core ideas, including foundational concepts such as fitness, optimality, coexistence, speciation, dispersal, community assembly, and spatial and temporal scales. Discussions and lectures will explore each concept from ecological and evolutionary viewpoints and then seek to reconcile differences and find novel intersections. Format includes student-led discussions, modeling exercises, and both independent and group projects.

**2019-247 ECON/MAST 2467 Revise Course (S)**

*Current Copy:*

ECON 2467. Economics of the Oceans

(also offered as MAST 2467)

Prerequisites: ECON 1200 or 1201.

Economies of industries that use and manage ocean resources. Applications of industrial organization, law and economics, natural resource theory, and environmental economics.

*Proposed Copy:*

ECON 2467E. Economics of the Oceans

(also offered as MAST 2467E)

Prerequisites: ECON 1200 or 1201.

Economies of industries that use and manage ocean resources. Applications of industrial organization, law and economics, natural resource theory, and environmental economics.

**2019-248 MARN/MAST 1001E Revise Course (G) (S)**

*Current Copy:*

MARN 1001. The Sea Around Us

(also offered as MAST 1001)

Three credits.

The relationship of humans with the marine environment. Exploitation of marine resources, development and use of the coastal zone, and the impact of technology on marine ecosystems. First semester Storrs and Avery Point. CA3.

*Proposed Copy:*

MARN 1001E. The Sea Around Us

(also offered as MAST 1001E)

Three credits.

The relationship of humans with the marine environment. Exploitation of marine resources, development and use of the coastal zone, and the impact of technology on marine ecosystems. Taught at Storrs and Avery Point. CA3.

**2019-249 MCB 3849W Add Course (G) (S)**

*Proposed Copy:*

MCB 3849W. Symbiosis: The Science of Living Together

Three credits Prerequisites: ENGL 1010 or 1011 or 2011; MCB 2610. Recommended Preparation: any additional 2000-level MCB course.

All animals and plants enter into lifelong associations with beneficial microorganisms that have a profound impact on host development and health. The molecular mechanisms by which these complex associations are established and maintained will be explored in various model systems. Lectures and discussions will be based on assigned readings from the scientific literature.

**2019-250 Anthropology of Global Health Add Minor**

*Proposed Copy:*

The Anthropology of Global Health minor provides students with the theoretical and methodological tools needed to analyze health from an anthropological perspective and integrate anthropological analysis into the study of global health problems and solutions. Students who are declared in the Anthropology minor are not allowed to declare this minor.

In order to complete the minor students must complete 15 credits from the following. At least 12 credits must be from the Department of Anthropology. ANTH 1000 or 2000(W) is the prerequisite to the minor. Anthropology students are not allowed to declare the minor.

1)     At least three credits from the following: ANTH 3300 and ANTH 3325

2)     At least 9 credits from ANTH 2000(W), 3326, 3302(W), 3202, 3327. 3304, GEOG 3240, SOCI 3451, PUBH 3001, LLAS 3250, HRTS/SOCI 3837(W). Students may use ANTH 3095, ANTH 3098 and graduate level seminars in ANTH, depending on content, towards the requirement with approval of minor advisor.

**2019-251 LING/PHIL Revise Major**

*Current Copy:*

For the Linguistics and Philosophy joint major, required linguistics courses are [LING 3110](https://catalog.uconn.edu/LING/#3110), [3410Q](https://catalog.uconn.edu/LING/#3410Q), and at least two additional LING courses at the 2000 level or above; and required philosophy courses are [PHIL 3241](https://catalog.uconn.edu/PHIL/#3241) and at least three additional PHIL courses at the 2000 level or above. For this joint major, exit requirements for information literacy will be satisfied by passing [LING 3110](https://catalog.uconn.edu/LING/#3110). The exit requirement for writing in the major will be satisfied by passing any W course in LING or PHIL at the 2000-level or above that has been approved by the student’s advisor for inclusion in the plan of study.

*Proposed Copy:*

For the Linguistics and Philosophy joint major, required linguistics courses are [LING](https://catalog.uconn.edu/LING/%22%20%5Cl%20%223110) [3410Q](https://catalog.uconn.edu/LING/#3410Q), either LING 3000Q or 3110, and at least two additional LING courses at the 2000 level or above; and required philosophy courses are [PHIL 3241](https://catalog.uconn.edu/PHIL/#3241) and at least three additional PHIL courses at the 2000 level or above. For this joint major, exit requirements for information literacy will be satisfied by passing [LING 3000Q or 3110](https://catalog.uconn.edu/LING/%22%20%5Cl%20%223110). The exit requirement for writing in the major will be satisfied by passing any W course in LING or PHIL at the 2000-level or above that has been approved by the student’s advisor for inclusion in the plan of study.

**2019-252 HDFS 2001 Revise Course (G) (S)**

*Current Copy:*

HDFS 2001. Diversity Issues in Human Development and Family Studies

Three credits. Open to sophomores or higher. Recommended preparation: HDFS 1070.

Critical issues in diversity and multiculturalism in human development, family relations, and professional practice. CA 4.

*Proposed Copy:*

HDFS 2001. Diversity Issues in Human Development and Family Sciences

Three credits. Open to sophomores or higher. Recommended preparation: HDFS 1070.

Critical issues in diversity and multiculturalism in human development, family relations, and professional practice. CA 4.

**2019-253 HDFS 2004W Revise Course (G) (S)**

*Current Copy:*

HDFS 2004W. Research Methods in Human Development and Family Studies

Four credits. Prerequisites: ENGL 1010 or 1011 or 2011; HDFS 1070, which may be taken concurrently; open only to HDFS majors, sophomores or higher. Cannot be taken after passing HDFS 3092, 4004, or 4007.

Overview of research methods with emphasis on (1) the social context in which research occurs and is used, and (2) strengths and limitations of social science research methods. Includes topics such as hypothesis formation, measurement of social variables, research ethics, data collection techniques, and interpreting results.

*Proposed Copy:*

HDFS 2004W. Research Methods in Human Development and Family Sciences

Four credits. Prerequisites: ENGL 1010 or 1011 or 2011; HDFS 1070, which may be taken concurrently; open only to HDFS majors, sophomores or higher. Cannot be taken after passing HDFS 3092, 4004, or 4007.

Overview of research methods with emphasis on (1) the social context in which research occurs and is used, and (2) strengths and limitations of social science research methods. Includes topics such as hypothesis formation, measurement of social variables, research ethics, data collection techniques, and interpreting results.

**2019-254 HDFS 3087 Revise Course**

*Current Copy:*

HDFS 3087. Honors Proseminar

One credit. Prerequisites: Open only with consent of instructor to students in the Honors Program. Cannot be taken after passing HDFS 4097.

Overview of the Human Development and Family Studies Honors Programs and the opportunities available through University Honors. Includes presentations by Family Studies faculty members and discussions with faculty regarding research. Provides direction to students planning honors theses.

*Proposed Copy:*

HDFS 3087. Honors Proseminar

One credit. Prerequisites: Open only with consent of instructor to students in the Honors Program. Cannot be taken after passing HDFS 4097.

Overview of the Human Development and Family Sciences Honors Programs and the opportunities available through University Honors. Includes presentations by HDFS faculty members and discussions with faculty regarding research. Provides direction to students planning honors theses.

**2019-255 HDFS 3092 Revise Course**

*Current Copy:*

HDFS 3092. Research Practicum in Human Development and Family Studies

One to six credits | May be repeated for credit. Prerequisites: HDFS 2004W; GPA of 2.5 in HDFS courses.

Supervised experience conducting research in human development and family studies.

*Proposed Copy:*

HDFS 3092. Research Practicum in Human Development and Family Sciences

One to six credits | May be repeated for credit. Prerequisites: HDFS 2004W; GPA of 2.5 in HDFS courses.

Supervised experience conducting research in human development and family sciences.

**2019-256 HDFS 3098 Revise Course**

*Current Copy:*

HDFS 3098. Selected Topics in Human Development and Family Studies

1.00 - 6.00 credits | May be repeated for credit.

With a change in content this course may be repeated for credit.

*Proposed Copy:*

HDFS 3098. Selected Topics in Human Development and Family Sciences

1.00 - 6.00 credits | May be repeated for credit.

With a change in content this course may be repeated for credit.

**2019-257 HDFS 5000 Revise Course**

*Current Copy:*

HDFS 5000. Independent Study

1.00 - 6.00 credits | May be repeated for a total of 48 credits.

Advanced study for qualified students who present suitable projects for intensive, independent investigation in human development and family studies.

*Proposed Copy:*

HDFS 5000. Independent Study

1.00 - 6.00 credits | May be repeated for a total of 48 credits.

Advanced study for qualified students who present suitable projects for intensive, independent investigation in human development and family sciences.

**2019-258 HDFS 5001 Revise Course**

*Current Copy:*

HDFS 5001. Seminar

One credit. Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

Seminar in professional orientation to the field of human development and family relations.

*Proposed Copy:*

HDFS 5001. Seminar

1.00 credit. Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

Seminar in professional orientation to the field of human development and family sciences.

**2019-259 HDFS 5003 Revise Course**

*Current Copy:*

HDFS 5003. Research Methods in Human Development and Family Studies I

3.00 credits. Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

Family and human development procedures, research experience related to analyzing interpersonal interaction and developmental processes.

*Proposed Copy:*

HDFS 5003. Research Methods in Human Development and Family Sciences I

3.00 credits Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

Family and human development procedures, research experience related to analyzing interpersonal interaction and developmental processes.

**2019-260 HDFS 5004 Revise Course**

*Current Copy:*

HDFS 5004. Research Methods in Human Development and Family Studies II

3.00 credits. Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

Advanced family and human development research methods; research design and underlying methodological issues in analyzing interpersonal interaction and developmental processes.

*Proposed Copy:*

HDFS 5004. Research Methods in Human Development and Family Sciences II

3.00 credits. Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

Advanced family and human development research methods; research design and underlying methodological issues in analyzing interpersonal interaction and developmental processes.

**2019-261 HDFS 5005 Revise Course**

*Current Copy:*

HDFS 5005. Qualitative Research Methods in Human Development and Family Studies

3.00 credits. Prerequisites: HDFS 5003; open to graduate students in Human Development and Family Sciences, others with instructor consent.

Philosophical bases of qualitative research in the social sciences; developing qualitative strategies; including: existential-phenomenological, intensive interviews, participant observation, and textual analysis.

*Proposed Copy:*

HDFS 5005. Qualitative Research Methods in Human Development and Family Sciences

3.00 credits. Prerequisites: HDFS 5003; open to graduate students in Human Development and Family Sciences, others with instructor consent.

Philosophical bases of qualitative research in the social sciences; developing qualitative strategies; including: existential-phenomenological, intensive interviews, participant observation, and textual analysis.

**2019-262 HDFS 5010 Revise Course**

*Current Copy:*

HDFS 5010. Practicum in University Teaching of Human Development and Family Studies

3.00 credits.

Supervised teaching of undergraduate courses in Human Development and Family Studies.

*Proposed Copy:*

HDFS 5010. Practicum in University Teaching of Human Development and Family Sciences

3.00 credits

Supervised teaching of undergraduate courses in Human Development and Family Sciences.

**2019-263 HDFS 5030 Revise Course**

*Current Copy:*

HDFS 5030. Research Practicum

1.00 - 6.00 credits | May be repeated for a total of 24 credits.

Supervised research in family studies.

*Proposed Copy:*

HDFS 5030. Research Practicum

1.00 - 6.00 credits | May be repeated for a total of 24 credits.

Prerequisites: Instructor consent required.

Supervised research in Human Development and Family Sciences.

**2019-264 HDFS 5095 Revise Course**

*Current Copy:*

HDFS 5095. Special Topics in Human Development and Family Studies

1.00 - 3.00 credits | May be repeated for a total of 12 credits.

Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

In-depth investigation of a recent issue of human development and family studies. With a change of topic, students may enroll up to four times for a maximum of 12 credits.

*Proposed Copy:*

HDFS 5095. Special Topics in Human Development and Family Sciences

1.00 - 3.00 credits | May be repeated for a total of 12 credits.

Prerequisites: Open to graduate students in Human Development and Family Sciences, others with instructor consent.

In-depth investigation of a recent issue in Human Development and Family Sciences. With a change of topic, students may enroll up to four times for a maximum of 12 credits.

**2019-265 HDFS 5098 Revise Course**

*Current Copy:*

HDFS 5098. Current Issues in Human Development and Family Studies

1.00 - 3.00 credits | May be repeated for a total of 12 credits.

Focused presentation and discussion of an aspect of theory or methods related to advancing the field of human development and family studies.

*Proposed Copy:*

HDFS 5098. Current Issues in Human Development and Family Sciences

1.00 - 3.00 credits | May be repeated for a total of 12 credits.

Focused presentation and discussion of an aspect of theory or methods related to advancing the field of Human Development and Family Sciences.

**2019-266 FREN 5369 Revise Course**

*Current Copy:*

FREN 5369. The French Novel in the First Half of the Nineteenth Century.

Three credits.

Stendhal, Balzac, and the romantic novelists.

*Proposed Copy:*

FREN 5369. The Novel and Narrative Forms in Ninetenth-Century French Literature.

Three credits.

Explores trends in narrative, genre, criticism, and theory of literary production in nineteenth-century France and its material conditions.

**2019-267 FREN 5370 Drop Course**

*Current Copy:*

### FREN 5370. The French Novel in the Second Half of the Nineteenth Century

Three credits.

Flaubert, Zola, and their contemporaries.

**2019-268 GERM 1001 Revise Course (G) (S)**

GERM 1131. Elementary German I

Four credits. Prerequisites: Not open to students who have had three of more years of German in high school, GERM 1111, 1112, 1113, 1114, 1132, 1133, 1134 or any 2000 level or higher course taught in German.

Fundamentals of German. Presentation of dialogues, conversation, vocabulary building, grammar and culture. Emphasis on speaking, oral comprehension, reading of simple texts and writing, to satisfy basic survival needs within a cultural setting.

*Proposed Copy:*

GERM 1001. Elementary German I.

Four credits. Prerequisites: May not be taken out of sequence after passing GERM 1002, 1003, 1004, any 2000-level or above course taught in German, or three or more years of high school German.

Using project-based learning and authentic materials, students will learn to communicate about familiar topics in the German language and gain intercultural competence.

**2019-269 GERM 1002 Revise Course (G) (S)**

*Current Copy:*

GERM 1132. Elementary German II

Four credits. Prerequisites: GERM 1131. Not open to students who have had three or more years of German in high school, GERM 1112, 1113, 1114, 1133, 1134 or any 2000 level or higher course taught in German.

Fundamentals of German. Presentation of dialogues, conversation, vocabulary building, grammar and culture. Emphasis on speaking, oral comprehension, reading of simple texts and writing, to satisfy basic survival needs within a cultural setting.

*Proposed Copy:*

GERM 1002. Elementary German II

Four credits. Prerequisites: GERM 1001. May not be taken out of sequence after passing GERM 1003, 1004, any 2000-level or above course taught in German, or three or more years of high school German.

Further development of interpersonal, interpretive and presentational communicative skills on a variety of topics. Applying linguistic skills as well as intercultural competence in projects.

**2019-269 GERM 1003 Revise Course (S)**

*Current Copy:*

GERM 1133. Intermediate German I

Four credits. Prerequisites: GERM 1132 or two years of high school German. Not open to students who have passed GERM 1113, 1114, 1134, 1153, 3200, 3220 or any other 2000 level courses taught in German.

Review and extension of grammar, vocabulary expansion, graded composition, intensive and extensive reading, and intensive oral practice to further develop communicative abilities within a cultural setting.

*Proposed Copy:*

GERM 1003. Intermediate German I

Four credits. Prerequisites: GERM 1002 or two years of high school German. May not be taken out of sequence after passing 1004 or any 2000-level or above course taught in German.

Further development of communicative abilities and intercultural competence by investigating topics such as contemporary politics, the environment, history, film, music, fine art, literature, and technology.

**2019-269 GERM 1004 Revise Course (S)**

*Current Copy:*

GERM 1134. Intermediate German II

Four credits. Prerequisites: GERM 1333. Not open for credit to students who have passed GERM 1114, 1154, 2201, 2204, 3221, 3231, 3233 or any other 2000 level courses taught in German.

Review and extension of grammar, vocabulary expansion, graded composition, intensive and extensive reading, and intensive oral practice to further develop communicative abilities within a cultural setting.

*Proposed Copy:*

GERM 1004. Intermediate German II

Four credits. Prerequisites: GERM 1003. May not be taken out of sequence after passing any 2000-level or above course taught in German.

Solidifying communicative abilities and intercultural competence by investigating topics such as contemporary politics, the environment, history, film, music, fine art, literature, and technology.

**2019-289 SPAN Revise Major**

*Current Copy:*

[Course descriptions](https://catalog.uconn.edu/span/)

Spanish courses comprise three main groups: Literature, Culture, and Language and Communication.

#### Group 1 (Literature)

[SPAN 3207](https://catalog.uconn.edu/SPAN/#3207), [3208](https://catalog.uconn.edu/SPAN/#3208), [3230](https://catalog.uconn.edu/SPAN/#3230), [3231](https://catalog.uconn.edu/SPAN/#3231), [3232](https://catalog.uconn.edu/SPAN/#3232), [3233](https://catalog.uconn.edu/SPAN/#3233), [3234](https://catalog.uconn.edu/SPAN/#3234), [3260](https://catalog.uconn.edu/SPAN/#3260), [3261](https://catalog.uconn.edu/SPAN/#3261), [3262](https://catalog.uconn.edu/SPAN/#3262), [3263](https://catalog.uconn.edu/SPAN/#3263), [3264](https://catalog.uconn.edu/SPAN/#3264), [3265](https://catalog.uconn.edu/SPAN/#3265), [3267W](https://catalog.uconn.edu/SPAN/#3267W), [3293](https://catalog.uconn.edu/SPAN/#3293), [4200W](https://catalog.uconn.edu/SPAN/#4200W)

#### Group 2 (Culture)

[SPAN 3179](https://catalog.uconn.edu/SPAN/#3179), [3200](https://catalog.uconn.edu/SPAN/#3200), [3201](https://catalog.uconn.edu/SPAN/#3201), [3204](https://catalog.uconn.edu/SPAN/#3204), [3205](https://catalog.uconn.edu/SPAN/#3205), [3206](https://catalog.uconn.edu/SPAN/#3206), [3207](https://catalog.uconn.edu/SPAN/#3207), [3208](https://catalog.uconn.edu/SPAN/#3208), [3214](https://catalog.uconn.edu/SPAN/#3214), [3250](https://catalog.uconn.edu/SPAN/#3250), [3251](https://catalog.uconn.edu/SPAN/#3251), [3252](https://catalog.uconn.edu/SPAN/#3252), [3254](https://catalog.uconn.edu/SPAN/#3254), [3293](https://catalog.uconn.edu/SPAN/#3293), [4200W](https://catalog.uconn.edu/SPAN/#4200W)

#### Group 3 (Language and Communication)

[SPAN 3170](https://catalog.uconn.edu/SPAN/#3170), [3177](https://catalog.uconn.edu/SPAN/#3177), [3179](https://catalog.uconn.edu/SPAN/#3179), [3204](https://catalog.uconn.edu/SPAN/#3204), [3240W](https://catalog.uconn.edu/SPAN/#3240W), [3241](https://catalog.uconn.edu/SPAN/#3241), [3242](https://catalog.uconn.edu/SPAN/#3242), [3261](https://catalog.uconn.edu/SPAN/#3261), [3267W](https://catalog.uconn.edu/SPAN/#3267W), [3178](https://catalog.uconn.edu/SPAN/#3178), [3293](https://catalog.uconn.edu/SPAN/#3293), [4200W](https://catalog.uconn.edu/SPAN/#4200W)

#### Guidelines

To major in Spanish, students must take 24 credits of Spanish courses numbered 2000, 3000 or 4000 and according to the following guidelines:

1. One composition course ([SPAN 3178](https://catalog.uconn.edu/SPAN/#3178), [3240W](https://catalog.uconn.edu/SPAN/#3240W) or [3293](https://catalog.uconn.edu/SPAN/#3293)).
2. One introductory or literary survey course ([SPAN 3230](https://catalog.uconn.edu/SPAN/#3230), [3231](https://catalog.uconn.edu/SPAN/#3231), [3232](https://catalog.uconn.edu/SPAN/#3232), [3233](https://catalog.uconn.edu/SPAN/#3233), [3234](https://catalog.uconn.edu/SPAN/#3234), [3242](https://catalog.uconn.edu/SPAN/#3242)).
3. Two courses from Group 1 (not used to satisfy requirement B).
4. Two courses from Group 2.
5. Two courses from Group 3 (not used to satisfy requirements A or B).
6. All majors must take at least one W course as part of the previous 24 required Spanish credits.
7. 12 additional credits are required in 2000, 3000 and 4000-level related courses from programs other than Spanish. These may include appropriate Education Abroad courses ([ARTH 2993](https://catalog.uconn.edu/ARTH/#2993); [POLS 3993](https://catalog.uconn.edu/POLS/#3993); [INTD 3993](https://catalog.uconn.edu/INTD/#3993); [ECON 2493](https://catalog.uconn.edu/ECON/#2493); [HIST 3993](https://catalog.uconn.edu/HIST/#3993)). Other related courses require advisor’s prior consent.
8. Enrollment in an Education Abroad program in a Spanish speaking country is also required. In consultation with the advisor, this requirement can be substituted with additional Spanish credits in residence, research credits related to the U.S. Hispanic community, Urban Semester, and other options.

In addition, the following rules apply: A minimum of 12 of the major credits must consist of Spanish courses taken in residence. Up to 12 credits may be met by [SPAN 3293](https://catalog.uconn.edu/SPAN/#3293). Only 6 may be transfer credits. AP credits may not be used toward the major. A single course cannot satisfy more than one requirement. To satisfy the information literacy and writing in the major requirements, all students must pass one of [SPAN 3240W](https://catalog.uconn.edu/SPAN/#3240W) or [4200W](https://catalog.uconn.edu/SPAN/#4200W).

*Proposed Copy:*

### Spanish

[Course descriptions](https://catalog.uconn.edu/span/)

Spanish courses comprise three main groups: Literature, Culture, and Language and Communication.

#### Group 1 (Literature)

[SPAN 3207](https://catalog.uconn.edu/SPAN/#3207), [3208](https://catalog.uconn.edu/SPAN/#3208), [3230](https://catalog.uconn.edu/SPAN/#3230), [3231](https://catalog.uconn.edu/SPAN/#3231), [3232](https://catalog.uconn.edu/SPAN/#3232), [3233](https://catalog.uconn.edu/SPAN/#3233), [3234](https://catalog.uconn.edu/SPAN/#3234), [3260](https://catalog.uconn.edu/SPAN/#3260), [3261](https://catalog.uconn.edu/SPAN/#3261), [3262](https://catalog.uconn.edu/SPAN/#3262), [3263](https://catalog.uconn.edu/SPAN/#3263), [3264](https://catalog.uconn.edu/SPAN/#3264), [3265](https://catalog.uconn.edu/SPAN/#3265), [3267W](https://catalog.uconn.edu/SPAN/#3267W), [3293](https://catalog.uconn.edu/SPAN/#3293), [4200W](https://catalog.uconn.edu/SPAN/#4200W)

#### Group 2 (Culture)

[SPAN 3179](https://catalog.uconn.edu/SPAN/#3179), [3200](https://catalog.uconn.edu/SPAN/#3200), [3201](https://catalog.uconn.edu/SPAN/#3201), [3204](https://catalog.uconn.edu/SPAN/#3204), [3205](https://catalog.uconn.edu/SPAN/#3205), [3206](https://catalog.uconn.edu/SPAN/#3206), [3207](https://catalog.uconn.edu/SPAN/#3207), [3208](https://catalog.uconn.edu/SPAN/#3208), [3214](https://catalog.uconn.edu/SPAN/#3214), [3250](https://catalog.uconn.edu/SPAN/#3250), [3251](https://catalog.uconn.edu/SPAN/#3251), [3252](https://catalog.uconn.edu/SPAN/#3252), [3254](https://catalog.uconn.edu/SPAN/#3254), [3293](https://catalog.uconn.edu/SPAN/#3293), [4200W](https://catalog.uconn.edu/SPAN/#4200W)

#### Group 3 (Language and Communication)

[SPAN 3101, 3102, 3103, 3170](https://catalog.uconn.edu/SPAN/#3170), [3177](https://catalog.uconn.edu/SPAN/#3177), [3179](https://catalog.uconn.edu/SPAN/#3179), [3204](https://catalog.uconn.edu/SPAN/#3204), [3240W](https://catalog.uconn.edu/SPAN/#3240W), [3241](https://catalog.uconn.edu/SPAN/#3241), [3242](https://catalog.uconn.edu/SPAN/#3242), [3261](https://catalog.uconn.edu/SPAN/#3261), [3267W](https://catalog.uconn.edu/SPAN/#3267W), [3178](https://catalog.uconn.edu/SPAN/#3178), [3293](https://catalog.uconn.edu/SPAN/#3293), [4200W](https://catalog.uconn.edu/SPAN/#4200W)

#### Guidelines

To major in Spanish, students must take 24 credits of Spanish courses numbered 2000, 3000 or 4000 and according to the following guidelines:

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2. One introductory or literary survey course ([SPAN 3230](https://catalog.uconn.edu/SPAN/#3230), [3231](https://catalog.uconn.edu/SPAN/#3231), [3232](https://catalog.uconn.edu/SPAN/#3232), [3233](https://catalog.uconn.edu/SPAN/#3233), [3234](https://catalog.uconn.edu/SPAN/#3234), [3242](https://catalog.uconn.edu/SPAN/#3242)).
3. Two courses from Group 1 (not used to satisfy requirement B).
4. Two courses from Group 2.
5. Two courses from Group 3 (not used to satisfy requirements A or B).
6. All majors must take at least one W course as part of the previous 24 required Spanish credits.
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8. Enrollment in an Education Abroad program in a Spanish speaking country is also required. In consultation with the advisor, this requirement can be substituted with additional Spanish credits in residence, research credits related to the U.S. Hispanic community, Urban Semester, and other options.

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**D. Courses for Inclusion on Hyphenated-Course Omnibus Motion**

**(*Please review ahead of the meeting – we will discuss only as needed*)**

**2019-272 SPAN 1001 Revise Course (G) (S)**

### *Current Copy*

### SPAN 1001. Elementary Spanish I

Four credits. Prerequisites: Not open to students who have had three or more years of high school Spanish, SPAN 1002, 1003 or 1004, or any 2000 level or above course taught in Spanish.

Development of ability to communicate in Spanish, orally and in writing, to satisfy basic survival needs within a cultural setting.

### *Proposed Copy:*

SPAN 1001. Elementary Spanish I

Four credits. Prerequisites: May not be taken out of sequence after passing SPAN 1002, 1003, 1004, any 2000-level or above course taught in Spanish, or three or more years of high school Spanish.

Elementary level communication skills in Spanish focusing on expressing likes, dislikes, personal information. Introduction to the cultures of the Spanish-speaking world. Course for students who have never studied Spanish.

**2019-273 SPAN 1002 Revise Course (G) (S)**

### *Current Copy*

### SPAN 1002. Elementary Spanish II

Four credits. Prerequisites: SPAN 1001. Not open to students who have had three or more years of high school Spanish, SPAN 1003 or 1004, or any 2000 level or above course taught in Spanish.

Development of ability to communicate in Spanish, orally and in writing, to satisfy basic survival needs within a cultural setting.

### *Proposed Copy:*

### SPAN 1002. Elementary Spanish II

Four credits. Prerequisite: SPAN 1001. May not be taken out of sequence after passing SPAN 1003, 1004, any 2000-level or above course taught in Spanish, or three or more years of high school Spanish.

Advanced beginner level Spanish course with further development of communication skills in Spanish. Focus on expressing events in the past and the future. Further exploration of cultural diversity in the Spanish-speaking world.

**2019-274 SPAN 1003 Revise Course (S)**

### *Current Copy:*

### SPAN 1003. Intermediate Spanish I

Four credits

Prerequisites: SPAN 1002 or two years of high school Spanish. Cannot be taken for credit after SPAN 1004 or any 2000 level or above course taught in Spanish.

Further development of understanding, speaking, reading, and writing skills within a cultural setting. Readings to enhance cultural awareness of the Spanish-speaking world.

### *Proposed Copy:*

### SPAN 1003. Intermediate Spanish I

Four credits. Prerequisites: SPAN 1002 or two years of high school Spanish. May not be taken out of sequence after passing SPAN 1004, any 2000-level or above course taught in Spanish, or three or more years of high school Spanish.

Basic intermediate level Spanish course with further development of uncomplicated communicative tasks. Focus on expressing subjectivity, opinions and arguments. Detailed analysis of Spanish speaking countries and societies.

**2019-275 SPAN 1004 Revise Course (S)**

### *Current Copy:*

### SPAN 1004. Intermediate Spanish II

Four credits. Prerequisites: SPAN 1003. Cannot be taken for credit after any 2000 level or above courses taught in Spanish.

Further development of understanding, speaking, reading, and writing skills within a cultural setting. Readings to enhance cultural awareness of the Spanish-speaking world.

### *Proposed Copy:*

### SPAN 1004. Intermediate Spanish II

Four credits. Prerequisites: SPAN 1003. May not be taken for credit after any 2000-level or above course taught in Spanish.

Intensive practice in communicative skills in all modes of communication. Course provides a cultural context in order to ease communicating in Spanish. Topics include analysis of short films and texts. Students elaborate complex arguments and connect them to their own experience at an intermediate high level.

**2019-276 CHEM 1127Q Revise Course (G) (S)**

*Current Copy:*

CHEM 1127Q. General Chemistry

Four credits each semester. Three class periods and one 3-hour laboratory period. Students who have passed CHEM 1122 will receive only 2 credits for CHEM 1127Q but 4 credits will be used for calculating the GPA. CHEM 1127 is not open for credit to students who have passed CHEM 1124Q or 1137Q or 1147Q; CHEM 1128Q is not open to students who have passed CHEM 1126Q or 1138Q or 1148Q.

Designed to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Properties of some of the more familiar elements and their compounds. Quantitative measurements illustrating the laws of chemical combination in the first semester lab. CA 3-LAB.

*Proposed Copy:*

CHEM 1127Q. General Chemistry I

Four credits. Three class periods and one 3-hour laboratory period. Not open for credit to students who have passed CHEM 1124Q or 1137Q or 1147Q. Students who have passed CHEM 1122 will receive only 2 credits but 4 credits will be used for calculating the GPA.

Designed to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Quantitative measurements illustrating the laws of chemical combination in the laboratory component. CA 3-LAB.

**2019-277 CHEM 1128Q Revise Course (G) (S)**

*Current Copy:*

CHEM 1128Q. General Chemistry

Four credits each semester. Three class periods and one 3-hour laboratory period. Students who have passed CHEM 1122 will receive only 2 credits for CHEM 1127Q but 4 credits will be used for calculating the GPA. CHEM 1127 is not open for credit to students who have passed CHEM 1124Q or 1137Q or 1147Q; CHEM 1128Q is not open to students who have passed CHEM 1126Q or 1138Q or 1148Q.

Designed to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Properties of some of the more familiar elements and their compounds. Equilibrium in solutions and qualitative reactions of the common cations and anions in the second semester lab. CA 3-LAB.

*Proposed Copy:*

CHEM 1128Q. General Chemistry II

Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: CHEM 1127Q, CHEM 1137Q, or CHEM 1147Q. Not open to students who have passed CHEM 1126Q or 1138Q or 1148Q.

Equilibrium, thermodynamics, nuclear chemistry and kinetics. Properties of some of the more familiar elements and their compounds. Equilibrium in solutions and reactions of the common cations and anions in the laboratory component. CA 3-LAB.

**2019-278 CHEM 1137Q Revise Course (G) (S)**

*Current Copy:*

CHEM 1137Q. Enhanced General Chemistry

Four credits each semester. Three class periods and one 3-hour laboratory period. Prerequisite: One year of high school chemistry. Prerequisite or corequisite: MATH 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. CA 3-LAB.

*Proposed Copy:*

CHEM 1137Q. Enhanced General Chemistry I

Four credits. Three class periods and one 3-hour laboratory period. Primarily for majors in chemistry and related disciplines. Can be used as an alternate wherever CHEM 1127Q is listed as a prerequisite. Not open for credit to students who have passed CHEM 1124Q or 1127Q or 1147Q. Students who have passed CHEM 1122 will receive only 2 credits but 4 credits will be used for calculating the GPA.

Designed to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Quantitative measurements illustrating the laws of chemical combination in the laboratory component. CA 3-LAB.

**2019-279 CHEM 1138Q Revise Course (G) (S)**

*Current Copy:*

CHEM 1138Q. Enhanced General Chemistry

Four credits each semester. Three class periods and one 3-hour laboratory period. Prerequisite: One year of high school chemistry. Prerequisite or corequisite: MATH 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. CA 3-LAB.

*Proposed Copy:*

CHEM 1138Q. Enhanced General Chemistry II

Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: CHEM 1127Q, CHEM 1137Q, or CHEM 1147Q. Not open to students who have passed CHEM 1126Q or 1128Q or 1148Q. Can be used as an alternate wherever 1128Q is listed as a prerequisite.

Equilibrium, thermodynamics, nuclear chemistry and kinetics. Properties of some of the more familiar elements and their compounds. Equilibrium in solutions and reactions of the common cations and anions in the laboratory component. CA 3-LAB.

**2019-280 CHEM 1147Q Revise Course (G) (S)**

*Current Copy:*

CHEM 1147Q. Honors General Chemistry

(Honors Course.) Four credits each semester. Three class periods and one 3-hour laboratory period. Prerequisite: Strong background in high school chemistry and physics. Prerequisite or corequisite: MATH 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 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 the laboratory assignments. Designed primarily for exceptionally well-prepared science and engineering students, although any qualified honors students may take it. This course can be used as an alternate wherever CHEM 1127Q-1128Q is listed as a prerequisite. CA 3-LAB.

*Proposed Copy:*

CHEM 1147Q. Honors General Chemistry I

(Honors Course.) Four credits. Three class periods and one 3-hour laboratory period. Designed primarily for exceptionally well-prepared science and engineering students, although any qualified honors student may take it. Can be used as an alternate wherever CHEM 1127Q is listed as a prerequisite. Not open for credit to students who have passed CHEM 1124Q or 1127Q or 1137Q. Students who have passed CHEM 1122 will receive only 2 credits but 4 credits will be used for calculating the GPA.

Designed to provide a foundation for more advanced courses in chemistry. Atomic theory, laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Quantitative measurements illustrating the laws of chemical combination in the laboratory component. Considerable personal initiative will be demanded of students in carrying out the laboratory assignments. CA 3-LAB.

**2019-281 CHEM 1148Q Revise Course (G) (S)**

*Current Copy:*

CHEM 1148Q. Honors General Chemistry

(Honors Course.) Four credits each semester. Three class periods and one 3-hour laboratory period. Prerequisite: Strong background in high school chemistry and physics. Prerequisite or corequisite: MATH 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 the laboratory assignments. Designed primarily for exceptionally well-prepared science and engineering students, although any qualified honors students may take it. This course can be used as an alternate wherever CHEM 1127Q-1128Q is listed as a prerequisite. CA 3-LAB.

*Proposed Copy:*

CHEM 1148Q. Honors General Chemistry II

(Honors Course.) Four credits. Three class periods and one 3-hour laboratory period. Prerequisite: CHEM 1147Q; or consent of instructor. Designed primarily for exceptionally well-prepared science and engineering students, although any qualified honors student may take it. Not open to students who have passed CHEM 1126Q or 1128Q or 1138Q. Can be used as an alternate wherever 1128Q is listed as a prerequisite.

Equilibrium, thermodynamics, nuclear chemistry and kinetics. Properties of some of the more familiar elements and their compounds. Equilibrium in solutions and reactions of the common cations and anions in the laboratory component. Considerable personal initiative will be demanded of students in carrying out the laboratory assignments. CA 3-LAB.

**2019-282 CHEM 3563 Revise Course**

*Current Copy:*

CHEM 3563. Physical Chemistry

Four credits. Prerequisites: CHEM 1126 or 1128 or 1138 or 1148; PHYS 1230 or 1402 or 1502 or 1602; MATH 2110 or 2130.

A study of gases, liquids, solids, solutions, and thermodynamics.

*Proposed Copy:*

CHEM 3563. Physical Chemistry I

Four credits. Prerequisite: CHEM 1126Q or 1128Q or 1138Q or 1148Q; PHYS 1230 or 1402Q or 1502Q or 1602Q; MATH 2110Q or 2130Q.

A study of gases, liquids, solids, solutions, and thermodynamics.

**2019-283 CHEM 3564 Revise Course**

*Current Copy:*

CHEM 3564. Physical Chemistry

Four credits. Prerequisites: CHEM 3563 or CHEG 3112; MATH 2410 or 2420.

A study of kinetics, atomic and molecular theory and spectroscopy.

*Proposed Copy:*

CHEM 3564. Physical Chemistry II

Four credits. Prerequisite: CHEM 3563 or CHEG 3112; MATH 2410Q or 2420Q.

A study of kinetics, atomic and molecular theory and spectroscopy.

**2019-284 MATH 2010Q Revise Course (G) (S)**

*Current Copy:*

2010Q. Fundamentals of Algebra and Geometry

Three credits each semester. Prerequisite: PSYC 1100 and three credits of Mathematics; open only to students enrolled in the Elementary Education program in the Neag School of Education or by consent of instructor. May not be counted in any of the major groups described in the Mathematics Departmental listing.

Development of the number system with applications to elementary number theory and analytic geometry.

*Proposed Copy:*

2010Q. Fundamentals of Algebra and Geometry

Three credits. Prerequisites: PSYC 1100; three credits of Mathematics; open only to students enrolled in the Elementary Education program in the Neag School of Education, or by consent of instructor. Not open to students who have passed MATH 2011Q.

Development of the number system with applications to elementary number theory and analytic geometry. May not be counted in any of the major groups described in the Mathematics Departmental listing.

**2019-285 MATH 2011Q Revise Course (G) (S)**

*Current Copy:*

2011Q. Fundamentals of Algebra and Geometry

Three credits each semester. Prerequisite: PSYC 1100 and three credits of Mathematics; open only to students enrolled in the Elementary Education program in the Neag School of Education or by consent of instructor. May not be counted in any of the major groups described in the Mathematics Departmental listing.

Development of the number system with applications to elementary number theory and analytic geometry.

*Proposed Copy:*

2011Q. Fundamentals of Algebra and Geometry

Three credits. Prerequisite: MATH 2010Q. May not be counted in any of the major groups described in the Mathematics Departmental listing.

A continuation of Math 2010Q, furthering the treatment of elementary number theory and analytic geometry.

**2019-286 MATH 2141Q Revise Course (G) (S)**

*Current Copy:*

2141Q. Advanced Calculus I

Both semesters. Four credits each semester. 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 1131Q or 1151Q to fulfill any requirement satisfied by MATH 1131Q or 1151Q. MATH 2142Q may be used in place of MATH 1132Q or 1152Q to fulfill any requirement satisfied by MATH 1132Q or 1152Q to fulfill any requirement satisfied by MATH 1132Q or 1152Q or 2710. May be used in place of MATH 1131 or 1151 to fulfill any requirement satisfied by MATH 1131 or 1151.

A 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.

*Proposed Copy:*

2141Q. Advanced Calculus I
Four credits. May be taken for honors credit, but open to any qualified student. Prerequisites: A year of calculus (that may include high school) and instructor consent. May be used in place of MATH 1131Q or 1151Q to fulfill any requirement satisfied by MATH 1131Q or 1151Q. May not be taken for credit after passing MATH 2142Q.
A 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.

**2019-287 MATH 2142Q Revise Course (G) (S)**

*Current Copy:*

2142Q. Advanced Calculus II

Both semesters. Four credits each semester. 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 1131Q or 1151Q to fulfill any requirement satisfied by MATH 1131Q or 1151Q. MATH 2142Q may be used in place of MATH 1132Q or 1152Q to fulfill any requirement satisfied by MATH 1132Q or 1152Q or 2710.

A 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.

*Proposed Copy:*
2142Q. Advanced Calculus II
Four credits. May be taken for honors credit, but open to any qualified student. Prerequisite: MATH 2141Q. May not be taken for credit after passing MATH 2110Q (or 2130Q), 2143Q, 2210Q or 2410Q (or 2420Q). May be used in place of MATH 1132Q, 1152Q or 2710 to fulfill any requirement satisfied by MATH 1132Q, 1152Q or 2710.
A continuation of the rigorous treatment of the mathematics underlying the main results of one variable calculus. Basic properties of vectors and vector valued functions.

**2019-288 MATH 2143Q Revise Course (G) (S)**

*Current Copy:*

2143Q. Advanced Calculus III

Both semesters. Four credits each semester. May be taken for honors credit but open to any qualified student. Prerequisite: MATH 2142Q or consent of instructor. MATH 2143Q may be used in place of MATH 2110Q to fulfill any requirement satisfied by MATH 2110Q. MATH 2144Q may be used in place of MATH 2410Q, MATH 2420Q, or MATH 2210Q to fulfill any requirement satisfied by MATH 2410Q, MATH 2420Q, or MATH 2210Q.

A rigorous treatment of more advanced topics, including vector spaces and their application to multivariable calculus and first-order, second-order and systems of differential equations.

*Proposed Copy:*
2143Q. Advanced Calculus III
Four credits. May be taken for honors credit, but open to any qualified student. Prerequisite: MATH 2142Q. May not be taken for credit after passing MATH 2110Q (or 2130Q), 2144Q, 2210Q or 2410Q (or 2420Q). May be used in place of MATH 2110Q to fulfill any requirement satisfied by MATH 2110Q.
A rigorous treatment of advanced topics in calculus including vector spaces and their applications in multivariable calculus.

**2019-289 MATH 2144Q Revise Course (G) (S)**

*Current Copy:*

2144Q. Advanced Calculus IV

Both semesters. Four credits each semester. May be taken for honors credit but open to any qualified student. Prerequisite: MATH 2142Q or consent of instructor. MATH 2143Q may be used in place of MATH 2110Q to fulfill any requirement satisfied by MATH 2110Q. MATH 2144Q may be used in place of MATH 2410Q, MATH 2420Q, or MATH 2210Q to fulfill any requirement satisfied by MATH 2410Q, MATH 2420Q, or MATH 2210Q. MATH 2144 may be used in place of MATH 2410, MATH 2420 or MATH 2210 to fulfill any requirement satisfied by MATH 2410, MATH 2420 or MATH 2210.

A rigorous treatment of more advanced topics, including vector spaces and their application to multivariable calculus and first-order, second-order and systems of differential equations.

*Proposed Copy:*
2144Q. Advanced Calculus IV
Four credits. May be taken for honors credit, but open to any qualified student. Prerequisite: MATH 2143Q. May not be taken for credit after passing MATH 2110Q (or 2130Q), 2210Q or 2410Q (or 2420Q). May be used in place of MATH 2210Q or 2410Q to fulfill any requirement satisfied by MATH 2210Q or 2410Q.
The continuation of the rigorous treatment of advanced topics in multivariable calculus, vector spaces and systems of differential equations.