CLAS Committee on Curricula and Courses
Chair: Stephen Stifano
Agenda
October 26th, 2021

WebEx: https://uconnvtc.webex.com/uconnvtc/j.php?MTID=m92fc6d6e91add607aa42884061019aff

I. Chair Approvals:

Agenda Item	*Form*	*Course*	*Action (Syllabus linked)*
2021-241	**585**	HIST 3095	Special Topic: History of the Chinese Communist Party at 100, 1921-2021
2021-243	**605**	ANTH 3095	Special Topic: Technology and Society: Archaeological Perspectives
2021-255	**625**	SOCI 5895	Special Topic: Seminar in the Sociology of Health

II. Old Business:

Agenda Item	*CAR*	*Course/Discipline*	*Action (Syllabus or Form linked)*
2021-222	**8904**	POLS 5620	Revise Course

III. New Business:

Agenda Item	*CAR*	*Course/Discipline*	*Action (Syllabus or Form linked)*	
2021-242	**8905**	POLS 5621	Revise Course	
2021-249	**9264**	STAT 3215Q	Add Course (**G**)(**S**)	(Guest: Elizabeth Schifano)
2021-246	**9225**	STAT 3255	Revise Course	(Guest: Elizabeth Schifano)
2021-247	**9244**	STAT 4255	Revise Course	(Guest: Elizabeth Schifano)
2021-248	**9246**	STAT 3115Q	Revise Course (**G**)(**S**)	(Guest: Elizabeth Schifano)
2021-245		STAT	Revise Major	(Guest: Elizabeth Schifano)
2021-250	**9265**	STAT 4915	Add Course	(Guest: Elizabeth Schifano)
2021-251	**9404**	STAT 4916W	Add Course (**G**)(**S**)	(Guest: Elizabeth Schifano)
2021-238	**8645**	MCB 4008	Revise Course	
2021-239	**8724**	GEOG/URBN 1200	Revise Course (**G**)(**S**)	
2021-240		URBN	Revise Major	
2021-244		GSCI	Revise Major	
2021-252	**9384**	EEB 2254W	Add Course (**G**)(**S**)	
2021-253	**9444**	EEB 2256W	Add Course (**G**)(**S**)	
2021-254	**9445**	EEB 2258W	Add Course (**G**)(**S**)	
2021-256	**9324**	HIST 2845/W	Add Course (**G**)(**S**)	
2021-257	**9484**	ENGR/HRTS 2300	Add Course (**S**)	

IV. Items for Discussion:

1. Update on the Core Curriculum for Leadership and Global Citizenship
2. Survey of C&C Membership Forthcoming
3. Graduate and Undergraduate combined courses (discussion request from Knecht)

2021-222 **8904** **POLS 5620** **Revise Course**

Current Copy:

POLS 5620. Master's Project I
3.00 credits
Prerequisites: None.
Grading Basis: Graded

All master's students in Political Science must take this course in their penultimate semester.

Proposed Copy:

POLS 5620. Research Design and Development I
3.00 credits
Prerequisites: None.
Grading Basis: Graded

Introduction to research methods and designs in political science. Students will develop and conduct original research projects. Intended for master's students in their first semester.

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2021-242 8905 POLS 5621 Revise Course

Current Copy:

POLS 5621. Master's Project II
3.00 credits
Prerequisites: POLS 5620.
Grading Basis: Graded

All master's students in Political Science must take this course in their final semester.

Proposed Copy:

POLS 5621. Research Design and Development II
3.00 credits
Prerequisites: POLS 5620.
Grading Basis: Graded

Advanced research methods and designs in political science. Students will develop and conduct original research projects. Intended for master's students in their second semester.

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2021-249 9264 STAT 3215Q Add Course (G)(S)

Proposed Copy:

STAT 3215Q. Applied Linear Regression in Data Science

3.00 credits.
Prerequisites: STAT 2215Q or STAT 3025Q or instructor consent. Credit may not be received for both STAT 3215Q and 5315. Not open to students who have passed STAT 3115Q.
Grading Basis. Graded

Applied multiple linear regression analysis in data science: simple linear regression and correlation analysis, multiple linear regression, analysis of variance, goodness of fit, comparing regression models through partial and sequential F tests, dummy variables, regression assumptions and diagnostics, model selection and penalized regression, prediction and model validation, principles of design of experiments, one-way and two-way analysis of variance.

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2021-246 9225 STAT 3255 Revise Course

Current Copy:

STAT 3255. Introduction to Data Science
3.00 credits
Prerequisites: STAT 2255 and STAT 3115Q, or instructor consent.
Grading Basis: Graded

Introduction to data science for effectively storing, processing, analyzing and making inferences from data. Topics include project management, data preparation, data visualization, statistical models, machine learning, distributed computing, and ethics.

Proposed Copy:

STAT 3255. Introduction to Data Science
3.00 credits
Prerequisites: : STAT 2255 and 3115Q or 3215Q, or instructor consent
Grading Basis: Graded

Introduction to data science for effectively storing, processing, analyzing and making inferences from data. Topics include project management, data preparation, data visualization, statistical models, machine learning, distributed computing, and ethics.

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2021-247 9244 STAT 4255 Revise Course

Current Copy:

STAT 4255. Introduction to Statistical Learning
3 credits.
Prerequisites: STAT 3115Q or instructor consent
Grading Basis. Graded

Modern statistical learning methods arising frequently in data science and machine learning with real-world applications: linear and logistic regression, generalized additive models, decision trees, boosting, support vector machines, and neural networks (deep learning).

Proposed Copy:

STAT 4255. Introduction to Statistical Learning
3 credits.
Prerequisites: STAT 3115Q or 3215Q or instructor consent
Grading Basis. Graded

Modern statistical learning methods arising frequently in data science and machine learning with real-world applications: linear and logistic regression, generalized additive models, decision trees, boosting, support vector machines, and neural networks (deep learning).

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2021-248 9246 STAT 3115Q Revise Course (G)(S)

Current Copy:

STAT 3115Q. Analysis of Experiments
3 credits.
Prerequisites: STAT 2215Q or 3025Q or instructor consent. Credit may not be received for both STAT 3115Q and 5315.
Grading Basis. Graded

Straight-line regression, multiple regression, regression diagnostics, transformations, dummy variables, one-way and two-way analysis of variance, analysis of covariance, stepwise regression.

Proposed Copy:

STAT 3115Q. Analysis of Experiments
3 credits.
Prerequisites: STAT 2215Q or 3025Q or instructor consent. Credit may not be received for both STAT 3115Q and 5315. Not open to students who have passed STAT 3215Q.
Grading Basis. Graded

Straight-line regression, multiple regression, regression diagnostics, transformations, dummy variables, one-way and two-way analysis of variance, analysis of covariance, stepwise regression.

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2021-245 STAT Revise Major

Current Copy:

Statistics

The Department of Statistics offers work leading to degrees in theoretical and applied statistics.

The Department offers both Bachelor of Science and Bachelor of Arts degrees in Statistics and Mathematics-Statistics. The latter is offered jointly with the Mathematics Department.

The Statistics major requires 24 credits at the 2000-level or above in statistics, including STAT 3115Q, 3375Q, 3445, and 3675Q. A maximum of three credits from each of STAT 4190, 4299 and 4389 may count toward the 24-credit requirement. Since STAT 3375Q has MATH 2110Q or 2130Q as a prerequisite, students should begin the calculus sequence as soon as possible. In addition, at least 12 credits at the 2000-level or above in approved related areas are required. MATH 2210Q or 3210 is strongly recommended and can count towards the related credits.

Students without mathematical background who wish some skill in statistical methodology should take STAT 1100Q followed by 2215Q. Students interested in the statistical analysis of business and economic data should take STAT 1000Q followed by 2215Q. Students with the appropriate calculus prerequisite should take STAT 3025Q rather than STAT 1000Q or 1100Q and 2215Q. STAT 3115Q and 3515Q are appropriate continuations for each of these three introductory sequences. STAT 3025Q is recommended before STAT 3375Q–3445.

To satisfy the information literacy competency and writing in the major requirement, statistics majors must take STAT 3494W. STAT 3494W does not count towards the 24 required major credits in Statistics, nor the 40 required major credits in Mathematics-Statistics.

Bachelor of Science or Arts in Mathematics-Statistics

The requirements for the B.S. or B.A. in Mathematics-Statistics degree are 40 credits at the 2000-level or above in Mathematics and Statistics, with at least 12 credits in each department.

The required courses for the Mathematics-Statistics major are MATH 2110Q (or 2130Q or 2143Q); MATH 2210Q or 3210 or (2143Q and 2144Q); 2410Q or (2420Q or 2144Q); and STAT 3375Q and 3445.

To satisfy the Writing in the Major and Information Literacy competencies, all students must pass one of the following courses: MATH 2710W, 2720W, 2794W, 3670W, 3710W, 3796W, or STAT 3494W.

A minor in Statistics is described in the Minors section.

Proposed Copy:

Statistics

The Department of Statistics offers work leading to degrees in theoretical and applied statistics.

The Department offers both Bachelor of Science and Bachelor of Arts degrees in Statistics and Mathematics-Statistics. The latter is offered jointly with the Mathematics Department.

The Statistics major requires 24 credits at the 2000-level or above in statistics, including STAT 3115Q, 3375Q, 3445, and 3675Q. Students who have taken STAT 3215Q instead of the required STAT 3115Q must additionally take STAT 3515Q. A maximum of three credits from each of STAT 4190, 4299 and 4389 may count toward the 24-credit requirement. Since STAT 3375Q has MATH 2110Q or 2130Q as a prerequisite, students should begin the calculus sequence as soon as possible. In addition, at least 12 credits at the 2000-level or above in approved related areas are required. MATH 2210Q or 3210 is strongly recommended and can count towards the related credits.

Students without mathematical background who wish some skill in statistical methodology should take STAT 1100Q followed by 2215Q. Students interested in the statistical analysis of business and economic data should take STAT 1000Q followed by 2215Q. Students with the appropriate calculus prerequisite should take STAT 3025Q rather than STAT 1000Q or 1100Q and 2215Q. STAT 3115Q and 3515Q are appropriate continuations for each of these three introductory sequences. STAT 3025Q is recommended before STAT 3375Q–3445.

To satisfy the information literacy competency and writing in the major requirement, statistics majors must take STAT 3494W. STAT 3494W does not count towards the 24 required major credits in Statistics, nor the 40 required major credits in Mathematics-Statistics.

Bachelor of Science or Arts in Mathematics-Statistics

The requirements for the B.S. or B.A. in Mathematics-Statistics degree are 40 credits at the 2000-level or above in Mathematics and Statistics, with at least 12 credits in each department.

The required courses for the Mathematics-Statistics major are MATH 2110Q (or 2130Q or 2143Q); MATH 2210Q or 3210 or (2143Q and 2144Q); 2410Q or (2420Q or 2144Q); and STAT 3375Q and 3445.

To satisfy the Writing in the Major and Information Literacy competencies, all students must pass one of the following courses: MATH 2710W, 2720W, 2794W, 3670W, 3710W, 3796W, or STAT 3494W.

A minor in Statistics is described in the Minors section.

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2021-250 9265 STAT 4915 Add Course

Proposed Copy:

STAT 4915. Data Science in Action
3.00 credits.
Prerequisites: STAT 3255; STAT 3025Q or 3375Q; ENGL 1007 or 1010 or 1011 or 2011 or instructor consent.
Corequisites: STAT 4916W.
Grading Basis. Graded

Capstone course in data science. Real-world statistical data science practice: problem formulation; integration of statistics, computing, and domain knowledge; collaboration; communication; reproducibility; project management.

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2021-251 9404 STAT 4916W Add Course (G)(S)

Proposed Copy:

STAT 4916W. Writing in Data Science
1.00 credit.
Prerequisites: STAT 3255; STAT 3025Q or 3375Q; ENGL 1007 or 1010 or 1011 or 2011 or instructor consent.
Corequisites: STAT 4915
Grading Basis. Graded

The course is a companion course to STAT 4915. Students will write a well-revised and comprehensive paper on their STAT 4915 course project, including literature review, description of technical details, reproducible statistical and data scientific analyses, and discussion of results.

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2021-238 8645 MCB 4008 Revise Course

Current Copy:

MCB 4008
3.00 credits
Prerequisites: MCB 3007 or CHEM 3563 or instructor consent.
Grading Basis: Graded

Theory and applications of biophysical methods for the analysis of the size, shape and interactions of proteins and nucleic acids. Topics include analytical ultracentrifugation, light scattering, X-ray scattering, calorimetry, surface plasmon resonance and single molecule approaches.

Revised Copy:

MCB 4008
3.00 credits
Prerequisites: MCB 3003 or CHEM 3563 or instructor consent.
Grading Basis: Graded

Theory and applications of biophysical methods for the analysis of the size, shape and interactions of proteins and nucleic acids. Topics include analytical ultracentrifugation, light scattering, X-ray scattering, calorimetry, surface plasmon resonance and single molecule approaches.

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2021-239 **8724** **GEOG/URBN 1200** **Revise Course (G)(S)**

Current Copy:

GEOG 1200: The City in the Western Tradition
Also offered as: URBN 1200
3.00 credits
Prerequisites: RHAG students cannot take more than 22 credits of 1000 level courses
Grading Basis: Graded

A broad discussion of the role and structure of the city in the western tradition from the Classical period to contemporary America. Special emphasis will be placed on the mechanisms by which cities and ideas about them have been diffused from one place to another and on the changing forces that have shaped the western city. CA 1.

Proposed Copy:

GEOG 1200: Global Urbanization
Also offered as: URBN 1200
3.00 credits
Prerequisites: RHAG students cannot take more than 22 credits of 1000 level courses
Grading Basis: Graded

A broad discussion of the role and structure of cities around the world from the first cities to contemporary times. Special emphasis will be placed on the mechanisms by which cities and ideas about them have been diffused from one place to another and on the changing forces that have shaped cities over time and across space. CA 1. CA 4.

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2021-240 **URBN** **Revise Major**

Current Copy:

Urban and Community Studies

Course descriptions

The undergraduate major in Urban and Community Studies is an interdisciplinary program in the College of Liberal Arts and Sciences with a focus on educating citizens on the multiple dimensions of urban and

community life and preparing students for careers in public and community service as well as graduate study in social work, public administration, law, planning, public health, or other related areas.

The major has three parts. First, students receive a broad education in the study of cities, suburbs, neighborhoods and communities through core courses in three fields drawn from Economics, Geography, History, Political Science, Public Policy, Sociology, and Urban and Community Studies. Second, students acquire a solid foundation in analytical techniques such as statistical analysis, survey research, geographic information systems, qualitative methods, or archival research. Finally, students take additional electives in order to broaden their academic training or to develop a deeper specialization in selected areas.

Requirements of the major

1. URBN 2000/W and either URBN 4000 or URBN 4497W or INTD 3594.
2. Three of the following with no more than one per department (crosslisted courses count towards the non-URBN department): ECON 2439, 2456; GEOG/URBN 3200/W; GEOG 2000, 2400E, 4210; HIST/URBN 2541/W; HIST 3554; HIST/AFRA 3564; HIST 3674/LLAS 3220; POLS 3842 or PP 3031; POLS/URBN 3632/W; PP 4034; SOCI/URBN 3901/W; SOCI 3425.
3. One of the following: CE/GEOG 2500; ECON 2327; GEOG 2410, 2510, 3500Q; POLS 2072Q; PP/URBN 2100; SOCI 3201; STAT 2215Q; URBN 2301Q, 2302.
4. Two additional courses selected from Group 2, Group 3, or the following list: ANTH 3150/W; ECON 2328/W, 2431, 3431/W; ECON 3439/W/URBN 3439; EDLR 3547/W; ENGL 3235W; GEOG 3000, 4200W; HIST/URBN 2650; HIST 2810, 3102, 3520; HIST/AAAS 2530; HIST/AFRA/HRTS 3563; HIST/AFRA 3568; HDFS 2001, 3110, 3510, 3530, 3540/W; INTD 3584; NRE 3265; POLS 3240E; POLS 3662/LLAS 3270; POLS/AFRA 3642; POLS/HRTS 3212; POLS 2622, 3406/W, 3617, 3847; PP 3020/W; PP/AFRA 3033/POLS 3633; SOCI 3459/W/HDFS 3240/W; SOCI 2301/W, 2651/W, 2705, 2709WE, 2907/W, 3429/W, 3521/W, 3601/W; SOCI 3501/W/AFRA 3501; SOCI/AFRA/HRTS 3825; SOCI 3903/W/URBN 3276/W; SOCI/WGSS 3621/W; URBN 3981/3991 (three credits combined) or INTD 3594; AMST/URBN 2400; URBN 3993, 3995, 3998, 4497W, 4999. INTD 3594 and URBN 4497W can be counted if not used to fulfill requirement number one above.

In order to assure a breadth of experience, students are encouraged to take courses that include content in each of the following areas: change over time, structural and spatial dimensions, diversity, power and decision-making, and political and social processes. One unique option for students is to enroll in the 15 credit Urban Semester Program, which provides major credit for two courses: INTD 3584 and 3594.

Students interested in pursuing a program in Urban and Community Studies are advised to complete 1000-level courses in the social sciences, which may be prerequisites for courses in Urban and Community Studies. These include, but are not limited to: GEOG/URBN 1200; ECON 1201; POLS 1602; PP 1001; SOCI 1001, 1251; STAT 1000Q/1100Q; and URBN 1300W. They should also plan on enrolling in URBN 2000 as soon as possible.

The writing in the major requirement can be met by taking any 2000-level or above W course approved for this major. Students should be aware, however, that availability of specific W courses varies by campus. The information literacy requirements are met by successfully completing URBN 2000.

Proposed Copy:

Urban and Community Studies

Course descriptions

The undergraduate major in Urban and Community Studies is an interdisciplinary program in the College of Liberal Arts and Sciences with a focus on educating citizens on the multiple dimensions of urban and community life and preparing students for careers in public and community service as well as graduate study in social work, public administration, law, planning, public health, or other related areas.

The major has three parts. First, students receive a broad education in the study of cities, suburbs, neighborhoods and communities through core courses in three fields drawn from Economics, Geography, History, Political Science, Public Policy, Sociology, and Urban and Community Studies. Second, students acquire a solid foundation in analytical techniques such as statistical analysis, survey research, geographic information systems, qualitative methods, or archival research. Finally, students take additional electives in order to broaden their academic training or to develop a deeper specialization in selected areas.

Requirements of the major

1. URBN 2000/W and either URBN 4000 or URBN 4497W or INTD 3594.
2. Three of the following with no more than one per department (crosslisted courses count towards the non-URBN department): ECON 2439, 2456; GEOG/URBN 3200/W; GEOG 2000, 2400E, 4210; HIST/URBN 2541/W; HIST 3554; HIST/AFRA 3564; HIST 3674/LLAS 3220; POLS 3842 or PP 3031; POLS/URBN 3632/W; PP 4034; SOCI/URBN 3901/W; SOCI 3425, 3429/W.
3. One of the following: CE/GEOG 2500; ECON 2327; GEOG 2410, 2510, 3500Q; POLS 2072Q; PP/URBN 2100; SOCI 3201; STAT 2215Q; URBN 2301Q, 2302.
4. Two additional courses selected from Group 2, Group 3, or the following list: ANTH 3150/W; ECON 2328/W, 2431, 3431/W; ECON 3439/W/URBN 3439; EDLR 3547/W; ENGL 3235W; GEOG 3000, 4200W; HIST/URBN 2650; HIST 2810, 3102, 3520; HIST/AAAS 2530; HIST/AFRA/HRTS 3563; HIST/AFRA 3568; HDFS 2001, 3110, 3510, 3530, 3540/W; INTD 3584; NRE 3265; POLS 3240E; POLS 3662/LLAS 3270; POLS/AFRA 3642; POLS/HRTS 3212; POLS 2622, 3406/W, 3617, 3847; PP 3020/W; PP/AFRA 3033/POLS 3633; SOCI 3459/W/HDFS 3240/W; SOCI 2301/W, 2651/W, 2705, 2709WE, 2907/W, ~~3429/W,~~ 3521/W, 3601/W; SOCI 3501/W/AFRA 3501; SOCI/AFRA/HRTS 3825; SOCI 3903/W/URBN 3276/W; SOCI/WGSS 3621/W; URBN 3981/3991 (three credits combined) or INTD 3594; AMST/URBN 2400; URBN 3993, 3995, 3998, 4497W, 4999. INTD 3594 and URBN 4497W can be counted if not used to fulfill requirement number one above.

In order to assure a breadth of experience, students are encouraged to take courses that include content in each of the following areas: change over time, structural and spatial dimensions, diversity, power and decision-making, and political and social processes. One unique option for students is to enroll in the 15 credit Urban Semester Program, which provides major credit for two courses: INTD 3584 and 3594.

Students interested in pursuing a program in Urban and Community Studies are advised to complete 1000-level courses in the social sciences, which may be prerequisites for courses in Urban and Community Studies. These include, but are not limited to: GEOG/URBN 1200; ECON 1201; POLS 1602; PP 1001; SOCI 1001, 1251; STAT 1000Q/1100Q; and URBN 1300W. They should also plan on enrolling in URBN 2000 as soon as possible.

The writing in the major requirement can be met by taking any 2000-level or above W course approved for this major. Students should be aware, however, that availability of specific W courses varies by campus. The information literacy requirements are met by successfully completing URBN 2000.

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2021-244 **GSCI** **Revise Major**

Current Copy:

Geoscience

Course descriptions

Majors in Geoscience focus on the materials, processes, and histories of Earth as a planetary system, with a special emphasis on environmental change at geologic time scales. Interest areas include global change, climate adaptation, water resources, planetary science, tectonics, paleontology and evolution, natural hazards, mineral and energy resources, surface processes, geophysics, and paleoclimatology.
Students may obtain a Bachelor of Science degree or a Bachelor of Arts degree. The Bachelor of Science degree has three tracks.

Bachelor of Science

At least 30 credits of Geoscience courses at the 2000 level and above and at least 12 credits of related courses at the 2000 level and above must be successfully completed for the Bachelor of Science in Geoscience in addition to the college B.S. requirements. Courses cross-listed with Geoscience courses cannot be used to fulfill the related courses requirement.
All Students must complete GSCI 2500, a 2000 level or above GSCI W course, and a concentration listed below. No more than three credits in the major can be from GSCI 4989, 4990, 4991, 4999.

Earth Track

1. All of the following: GSCI 3010, 3030, 3040.
2. At least 14 additional credits of Geoscience courses at the 3000 level and above.

Environment Track

1. All of the following: GSCI 3020, 3030, 3040.
2. Three courses chosen from GSCI 3710, 4150, 4210, 4230, 4240, 4430, 4710, 4720, 4735.
3. At least five additional credits of Geoscience courses at the 3000 level and above.

Atmosphere Track

1. GSCI 3010.
2. One course chosen from the following: GSCI 3020, 3030, 3040.

3. Three courses chosen from GSCI 2800, 4150, 4230, 4430, 4810, 4850.
4. At least nine additional credits of Geoscience courses at the 3000 level and above.

Bachelor of Arts

At least 24 credits of Geoscience courses at the 2000 level and above and at least 12 credits of related courses at the 2000 level and above must be successfully completed for the Bachelor of Arts in Geoscience in addition to the college B.A. requirements. Courses cross-listed with Geoscience courses cannot be used to fulfill the related courses requirement.

The requirements include the following:

1. GSCI 2500.
2. A 2000 level or above GSCI W course.
3. Two courses chosen from: GSCI 3010, 3020, 3030, 3040.
4. At least 12 additional credits of Geoscience courses at the 2000 level and above.

No more than three credits can be from GSCI 4989, 4990, 4991, 4999. No more than six credits at the 2000 level can count toward the 24 credit total.

Geoscience majors satisfy the writing in the major and information literacy competency requirements by passing a 2000 level or above GSCI W course.

A minor in Geoscience is described in the Minors section.

Proposed Copy:

Geoscience

Course descriptions

Majors in Geoscience focus on the materials, processes, and histories of Earth as a planetary system, with a special emphasis on environmental change at geologic time scales. Interest areas include global change, climate adaptation, water resources, planetary science, tectonics, paleontology and evolution, natural hazards, mineral and energy resources, surface processes, geophysics, and paleoclimatology.

Students may obtain a Bachelor of Science degree or a Bachelor of Arts degree. The Bachelor of Science degree has three tracks.

Bachelor of Science

At least 30 credits of Geoscience courses at the 2000 level and above and at least 12 credits of related courses at the 2000 level and above must be successfully completed for the Bachelor of Science in Geoscience in addition to the college B.S. requirements. Courses cross-listed with Geoscience courses cannot be used to fulfill the related courses requirement.

All Students must complete GSCI 2500, a 2000 level or above GSCI W course, and a concentration listed below. No more than three credits in the major can be from GSCI 4989, 4990, 4991, 4999.

Earth Track

1. All of the following: GSCI 3010, 3030, 3040.
2. At least 15 additional credits of Geoscience courses at the 3000 level and above.

Environment Track

1. All of the following: GSCI 3020, 3030, 3040.
2. Three courses chosen from GSCI 3710, 4150, 4210, 4230, 4240, 4430, 4710, 4720, 4735.
3. At least six additional credits of Geoscience courses at the 3000 level and above.

Atmosphere Track

1. GSCI 3010.
2. One course chosen from the following: GSCI 3020, 3030, 3040.
3. Three courses chosen from GSCI 2800, 4150, 4230, 4430, 4810, 4850.
4. At least nine additional credits of Geoscience courses at the 3000 level and above.

Bachelor of Arts

At least 24 credits of Geoscience courses at the 2000 level and above and at least 12 credits of related courses at the 2000 level and above must be successfully completed for the Bachelor of Arts in Geoscience in addition to the college B.A. requirements. Courses cross-listed with Geoscience courses cannot be used to fulfill the related courses requirement.
The requirements include the following:

1. GSCI 2500.
2. A 2000 level or above GSCI W course.
3. Two courses chosen from: GSCI 3010, 3020, 3030, 3040.
4. At least 12 additional credits of Geoscience courses at the 2000 level and above.

No more than three credits can be from GSCI 4989, 4990, 4991, 4999. No more than six credits at the 2000 level can count toward the 24 credit total.
Geoscience majors satisfy the writing in the major and information literacy competency requirements by passing a 2000 level or above GSCI W course.
A minor in Geoscience is described in the Minors section.

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2021-252 9384 EEB 2254W Add Course (G)(S)

Proposed Copy:

EEB 2254W Current Research Topics in Ecology and Evolutionary Biology
3.00 credits
Prerequisites: ENGL 1007 or 1010 or 1011 or 2011. At least three credits of college-level courses in biology.
Grading Basis: Graded

Engagement with primary research literature in ecology and evolutionary biology and development of written communication skills through writing, editing, revising, and peer feedback.

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2021-253 9444 EEB 2256W Add Course (G)(S)

Proposed Copy:

EEB 2256W Current Research Topics in Evolutionary Medicine and Disease Ecology
3.00 credits
Prerequisites: ENGL 1007 or 1010 or 1011 or 2011. At least three credits of college-level courses in biology.
Grading Basis: Graded

Engagement with primary research literature in evolutionary medicine and disease ecology and development of written communication skills through writing, editing, revising, and peer feedback.

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2021-254 9445 EEB 2258W Add Course (G)(S)

Proposed Copy:

EEB 2258W Current Research Topics in Conservation and Climate Change Biology
3.00 credits
Prerequisites: ENGL 1007 or 1010 or 1011 or 2011. At least three credits of college-level courses in biology.
Grading Basis: Graded

Engagement with primary research literature in conservation and climate change biology and development of written communication skills through writing, editing, revising, and peer feedback.

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2021-256 9324 HIST 2845/W Add Course (G)(S)

Proposed Copy:

HIST 2845. Global History of Capitalism
3.00 credits
Prerequisites: None.
Grading Basis: Graded

What does capitalism mean? Where did it originate and when did it evolve? What are its different forms and manifestations? How did capitalism change throughout time and space? Why are some individuals and countries rich while others are poor? This and similar questions will be examined to shed light on the impact of capitalism on global history, notions of time, slavery, class, race, gender, law and the contemporary world.

HIST 2845W. Global History of Capitalism
3.00 credits
Prerequisites: ENGL 1007 or 1010 or 1011 or 2011.
Grading Basis: Graded

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2021-257 9484 ENGR/HRTS 2300 Add Course (S)

Proposed Copy:

ENGR 2300 - Engineering for Human Rights
Also Offered as HRTS 2300
3.00 Credits
Prerequisites: None

Grading Basis; Graded

Foundational concepts of human rights and engineering ethics from a global perspective. Discussions of the role of engineering in society from human rights and different ethical perspectives. Principles of "Engineering for human rights" on distributive justice, participation, consideration of duty bearers, accountability, and indivisibility of rights. Case study analysis of engineering projects for human rights impacts.

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Discussion: Graduate and Undergraduate Combined Courses

from David Knecht:

My department has some combined courses that meet with undergrads and graduate students. They register for different numbers but have the same lectures. The graduate students are assigned some extra work or papers or exam questions to justify the different course numbers. I fundamentally do not support this type of situation and discourage it when new courses like this are proposed in my department for the following reasons:

1. My philosophy of teaching at the graduate vs. undergraduate level is that undergraduate courses, whether introductory or advanced, tend to be more centered on textbook information and the overview of a field, while graduate courses are centered on the primary literature, with all its inconsistencies, disagreements and emerging ideas. Thus I think it is difficult to combine the two into one course.
2. My experience with our graduate students is that they are no more capable than our advanced undergraduates (especially honors students) and in many cases, significantly less capable. In our department, honors undergraduates routinely get the top grades in combined classes. Therefore, expecting graduate students to perform at a higher level is not based in reality.
3. Undergraduates can take graduate courses. Honors students can take them with no approvals and advanced undergraduates with approval.
4. Graduate students who need remediation can take 6 credits of undergraduate courses and count them toward their degree.

Given especially points 3 and 4, what is the incentive or justification for offering the same course in both levels? I believe courses should either be developed for graduate students or developed for undergraduate students, but allow each to take both.

I am approaching this as a scientist. I don't know how well it applies across disciplines. Thoughts? Counterarguments?

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