

# CLAS Committee on Curricula and Courses

Chair: Steve Stifano

Agenda: October 18th, 2022

Meeting Details: 3:30-5:00 PM on WebEx: <https://uconn-cmr.webex.com/meet/scs06002>

## I. Approvals by the Chair:

<i>Agenda Item</i>	<i>Form</i>	<i>Action (Syllabus or Relevant Form is linked)</i>
2223-041	<a href="#">1228C</a>	<b>Add Special Topic:</b> CHEM 3195/MARN 3995: <a href="#">Environmental Aquatic Chemistry</a>
2223-042	<a href="#">1108C</a>	<b>Add Special Topic:</b> SOCI 5895: <a href="#">Professional Development</a>
2223-043	<a href="#">1168C</a>	<b>Add Special Topic:</b> PP 5397: <a href="#">Policymaking and Legislation</a>
2223-044	<a href="#">1268C</a>	<b>Add Special Topic:</b> PP 5397: <a href="#">Applied Policy Research in Justice Reinvestment</a>

## II. Old Business:

<i>Agenda Item</i>	<i>CAR</i>	<i>Program or Course</i>	<i>Action (Syllabus or Relevant Form is linked)</i>
<a href="#">2223-034</a>	<a href="#">13545</a>	<b>DSDA 4815</b>	Add <a href="#">Course</a> (Guest: Lyle Scruggs)
<a href="#">2223-050</a>		<b>Applied Data Analysis B.A.</b>	Add <a href="#">Major</a> (Guest: Lyle Scruggs)
<a href="#">2223-051</a>		<b>Report of the Alternative Bachelor of Science Subcommittee</b> (Dierssen et al)	
<a href="#">2223-052</a>		<b>Statistical Data Science B.S.</b>	Add <a href="#">Major</a> (Guest: Elizabeth Schifano)

## III. New Business:

<i>Agenda Item</i>	<i>CAR</i>	<i>Program or Course</i>	<i>Action (Syllabus or Relevant Form is linked)</i>
<a href="#">2223-053</a>		<b>Statistics</b>	Revise <a href="#">Minor</a> (Guest: Elizabeth Schifano)
<a href="#">2223-036</a>	<a href="#">14906</a>	<b>ERTH 6430</b>	Add <a href="#">Course</a>
<a href="#">2223-037</a>	<a href="#">14965</a>	<b>AFRA 3575</b>	Revise <a href="#">Course</a> (Add JOUR Crosslist)
<a href="#">2223-038</a>	<a href="#">14326</a>	<b>LING 5110</b>	Revise <a href="#">Course</a>
<a href="#">2223-039</a>	<a href="#">14327</a>	<b>LING 5120</b>	Revise <a href="#">Course</a>
<a href="#">2223-040</a>	<a href="#">15045</a>	<b>MAST 1200</b>	Revise <a href="#">Course</a> (G)(S)
<a href="#">2223-045</a>		<b>Anthropology</b>	Revise <a href="#">Major</a>
<a href="#">2223-046</a>	<a href="#">14205</a>	<b>COMM 3230</b>	Revise <a href="#">Course</a>
<a href="#">2223-047</a>	<a href="#">12485</a>	<b>STAT 4845</b>	Add <a href="#">Course</a>
<a href="#">2223-048</a>	<a href="#">14485</a>	<b>PNB 1000</b>	Revise <a href="#">Course</a> (S)
<a href="#">2223-049</a>	<a href="#">14445</a>	<b>PP 5363</b>	Revise <a href="#">Course</a>

## IV. Items for Discussion:

Presenting the **TRUCK**: Bulk Minor Curricular Action Request Form and Process (Stifano)

## Proposed Copy

DSDA 4815. Applied Data Analytics Capstone

1.00-3.00 Credits.

Prerequisites: STAT 3255. Not open for credit for students in the Bachelor of Science in Statistical Data Science program.

Grading Basis: Graded

Development and execution of original, student-led research projects.

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2223-050 Applied Data Analysis B.A. Add [Major](#)

## Proposed Copy

The Applied Data Analysis major gives students broad training in the following core areas of data science: computer programming and data management, data analysis, data visualization, and data ethics. Students with this major obtain a Bachelor of Arts (B.A.) degree. The major can be tailored for a student's interest in a domain area. In order to apply to the Applied Data Analysis major, students must have:

-- a GPA of 3.2 or higher in the following classes: MATH 1132Q, STAT 1000Q/1100Q, and an introductory programming course (CSE 1010, 1729, STAT 2255, COGS 2500Q).

– completed at least 24 credits, 15 of which must be at the University of Connecticut, with a cumulative GPA of 3.2 or higher.

After entry into the majors, students must maintain a 3.2 cumulative GPA.

Students receiving a BA in Applied Data Analysis are required to take 36 credits, with one or more courses in four core areas, a nine-credit domain sequence, STAT 3255 (Introduction to Data Science), and a Capstone course of at least 3 credits. Students meet the “writing in the major” requirement in a domain-specific W course, or in a Capstone W course.

The four core area requirements are:

1. Programming and data management: 1 course (3 credits): STAT 2255 or COGS 2500
2. Basic Data Analysis: 1 course (3 credits): STAT 3215Q
3. Data Ethics: 1 course (3 credits): PHIL 3202
4. Data Visualization: 1 course (at least 3 credits): STAT 3675Q or GEOG 3510

Students must select one of the following domains areas:

American Political Institutions

Domain: three of the following: POLS 3600, POLS 3601, POLS 3604, POLS 3606

Capstone: DSCI 4815

W course: POLS 3603WQ

American Political Representation

Domain: three of the following: POLS 2607, POLS 3612, POLS 3617, POLS 3618, POLS 3625

Capstone: DSCI 4815

W course: POLS 3608W

Earth Data Science

Domain: three of the following: GSCI 2800, GSCI 3020, GSCI 3710, GSCI 4230, GSCI 4810

Capstone: GSCI 4150

W course: GSCI 2050W

Public Management and Policy

Domain: three of the following: PP 3032, PP 3033, PP 3098, PP 4031, PP 4034

Capstone: DSDA 4815

W course: PP 3020W

Survey Research Methods

Domain: PP 2100, PP 3030, PP 3098

Capstone: DSDA 4815

W course: PP 3020W

Population Dynamic

Domain: three of the following: SOCI 2110, SOCI 2651, SOCI 2660, SOCI 2820, SOCI 2901, SOCI 3971

Capstone: DSDA 4815

W course: one of the W versions in the domain list

To reach 36 credits, additional credits may be taken from approved domain areas above or the list of courses below.

GEOG 2500, GEOG 3500Q, STAT 2215Q, STAT 3025Q, STAT3515Q, STAT 3375Q

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**2223-052**

**Statistical Data Science B.S. Add Major**

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### Proposed Copy

The Statistical Data Science major gives students a broad training in the following core areas of data science: computer programming and data management, basic and advanced data analysis, data visualization, and data ethics. Students with this major obtain a Bachelor of Science (B.S.) degree. The major can be tailored for a student's interest in a domain area.

For a Statistical Data Science major that leads to a Bachelor of Science degree, students must take [STAT 1000Q](#) or [1100Q](#) ([STAT 1100Q](#) is recommended over [STAT 1000Q](#)) and one of the following MATH sequences: [MATH 1131Q](#) (or [1151Q](#)) and [1132Q](#) (or [1152Q](#)); or [MATH 2141Q](#) and [2142Q](#). In addition, B.S. majors must also take one of the following: [MATH 2110Q](#) or [2130Q](#) or [2210Q](#) or [2410Q](#) or [2420Q](#).

B.S. students must take one of the following science sequences in Biology, Chemistry, or Physics that include laboratory measurements:

- Biology: [BIOL 1107](#) and either [BIOL 1108](#) or [1110](#).
- Chemistry: [CHEM 1124Q](#), [1125Q](#), [1126Q](#); or [CHEM 1127Q](#), [1128Q](#); or [CHEM 1137Q](#), [1138Q](#); or [CHEM 1147Q](#), [1148Q](#).
- Physics: [PHYS 1201Q](#), [1202Q](#); or [PHYS 1401Q](#), [1402Q](#); or [PHYS 1501Q](#), [1502Q](#); or [PHYS 1601Q](#), [1602Q](#).

One of these courses may be used to fulfill the CA 3 lab requirement of the University's general education requirements. In addition, students must take one other CA 3 course from a different subject area, but it need not be a lab course.

In order to apply to the Statistical Data Science major, students must have:

-- a GPA of 3.2 or higher in the following classes: MATH1132Q, STAT1000Q/1100Q, and an introductory programming course (CSE 1010, CSE 1729, or STAT2255).

– completed at least 24 credits, 15 of which must be at the University of Connecticut, with a cumulative GPA of 3.2 or higher.

After entry into the majors, students must maintain a 3.2 cumulative GPA.

Students receiving a BS in Statistical Data Science are required to take 36 major credits, with one or more courses in each of the core areas, a nine-credit domain sequence, STAT3255 and STAT 4915 (capstone)<sup>†</sup>. To satisfy the information literacy competency and writing in the major requirement, Statistical Data Science majors must also take STAT4916W<sup>†</sup>.

The core area requirements are:

1. *Programming and data management*: 1 course (3 credits): STAT 2255
2. *Basic Data Analysis*: 2 courses (6 credits): STAT 3025Q or STAT 3375Q\* or MATH3160; STAT 3215Q
3. *Data Ethics*: 1 course (3 credits): PHIL 3202
4. *Data Visualization*: 1 course (at least 3 credits): STAT 3675Q\* or GEOG 3510 or EEB 4100\*\*
5. *Advanced analysis*: 2 courses (6 credits): MATH 2210Q; STAT 4255

<sup>†</sup> Students completing a Biological Data Science domain may take any of the following to meet the capstone and W requirement: (i) STAT 4915 / STAT4916W, (ii) EEB 4896W, or (iii) MCB 4897W. Credits in EEB 4896W or MCB 4897W cannot simultaneously count towards both an Honors thesis in EEB or MCB and a Data Science capstone.

\*Students completing a Statistics domain must take STAT3375Q and STAT3675Q to meet these requirements.

\*\*Recommended for students completing the Biological Data Science domain.

To complete the domain sequence, students must take at least nine credits from one of the following groups:

**Advanced Statistics:** STAT 3445 and two of the following: STAT 3515Q, STAT 4625, STAT 4825, **STAT 4845**, STAT 4190\*\*\*

\*\*\* At least and no more than 3 credits of STAT4190 may count towards the major and must be pre-approved by the Department of Statistics for adequate data science content.

**American Political Institutions:** three of the following: POLS 3600, POLS 3601, POLS 3603WQ, POLS 3604, POLS 3606

**American Political Representation:** three of the following: POLS 2607, POLS 3608W, POLS 3612, POLS 3617, POLS 3618, POLS 3625

**Biological Data Science:** three of the following: EEB 3899<sup>‡</sup>, EEB 5050, EEB 5300, EEB 5348, EEB 5349, MCB 3637, MCB 4009, MCB 5430, MCB 5472, MCB 5631, MCB 4896<sup>‡</sup>

Students can choose any three courses<sup>‡</sup> from the list above based on availability, however, interested students might consider choosing subsets of courses from the list above that align with established sub-areas:

- Genome sequencing and analysis: EEB 5300, MCB 3637, MCB 5430
- Phylogenetics and evolution: EEB 5348, EEB 5349, MCB 3421, MCB 5472
- Ecological analyses: EEB 5050, EEB 5348, MCB 5631

<sup>‡</sup> Only 3 credits of either EEB 3899 or MCB 4896 can count towards the major, and these credits cannot simultaneously count towards another major or degree.

**Financial Analysis:** three of the following: ECON 3313, ECON 3315, ECON 3413, ECON 4323

**Marine Science:** three of the following: MARN 3001, MARN 3002, MARN 3014, MARN 4001, MARN 4210Q

**Population Dynamics:** three of the following: SOCI 2110(W), SOCI 2651(W), SOC 2660(W), SOCI 2820(W), SOCI 2901(W), SOCI 3971(W)

**2223-053**

**Statistics**

Revise **Minor** (Guest: Elizabeth Schifano)

Existing Copy	Proposed Revisions, Changes Highlighted
<p>This minor requires at least 15 credits at the 2000-level or above. Students must choose one of two options:</p> <ul style="list-style-type: none"><li>• <b>Track I:</b> STAT 2215Q, 3115Q, 3375Q, 3445, plus one course from the <i>Optional List</i> below.</li><li>• <b>Track II:</b> STAT 2215Q, 3025Q, 3115Q, plus two courses from the <i>Optional List</i> below.</li><li>• <b>Optional List:</b> STAT 3515Q, 3675Q, 3965, 4475, 4525, 4625, 4825, and 4875.</li></ul> <p>Students who have passed MATH 1132Q or 1152Q and also MATH 2110Q or 2130Q are strongly advised to take Track I. Students who have passed only MATH 1132Q, or 1152Q should take Track II. The minor is offered by the <a href="#">Statistics Department</a>.</p>	<p>This minor requires at least 15 credits at the 2000-level or above. Students must choose one of two options:</p> <ul style="list-style-type: none"><li>• <b>Track I:</b> STAT 2215Q, 3115Q, 3375Q, 3445, plus one course from the <i>Optional List</i> below.</li><li>• <b>Track II:</b> STAT 2215Q, 3025Q, 3115Q, plus two courses from the <i>Optional List</i> below.</li><li>• <b>Optional List:</b> STAT 3515Q, 3675Q, 3965, 4475, 4525, 4625, 4825, and 4875.</li></ul> <p>Students who have passed MATH 1132Q or 1152Q and also MATH 2110Q or 2130Q are strongly advised to take Track I. Students who have passed only MATH 1132Q, or 1152Q should take Track II. <b>The minor is not open to students majoring in Statistics, Mathematics-Statistics, Statistical Data Science, or Applied Data Analysis.</b> The minor is offered by the <a href="#">Statistics Department</a>.</p>

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**2223-036**

**14906 EARTH 6430**

**Add Course**

Proposed Copy
<p>6430. Seminar in Geochemistry 1.00 - 3.00 credits. Repeatable for credit up to a maximum of 6 credits. Prerequisites: None. Grading Basis: Graded</p> <p>Readings and discussions of recent advances in low temperature and stable isotope geochemistry.</p>

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**2223-037**

**14965 AFRA 3575**

Revise **Course** (Add JOUR Crosslist)

Existing Copy	Proposed Revisions, Changes Highlighted
<p>AFRA 3575. Black Documentary Film Archival Practices 3.00 credits Prerequisites: None. Grading Basis: Graded</p> <p>Critical and historical examination of Black American archival usage through documentary films and media.</p>	<p>AFRA 3575. Black Documentary Film Archival Practices <b>Also offered as JOUR 3575</b> 3.00 credits Prerequisites: None. Grading Basis: Graded</p> <p>Critical and historical examination of Black American archival usage through documentary films and media.</p>

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**2223-038**    [14326](#)    LING 5110

Revise [Course](#)

Existing Copy	Proposed Revisions, Changes Highlighted
<p>5110. The Acquisition of Syntax 3.00 credits Prerequisites: None. Grading Basis: Graded</p> <p>Relationship between the syntax of children's language and linguistic theory.</p>	<p>5110. <b>Acquisition I</b> 3.00 credits Prerequisites: <b>Open to graduate students in Linguistics, others with consent.</b> Grading Basis: Graded</p> <p><b>Relationship between children's language and linguistic theory.</b></p>

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**2223-039**    [14327](#)    LING 5120

Revise [Course](#)

Existing Copy	Proposed Revisions, Changes Highlighted
<p>5120. Readings and Research in Acquisition 3.00 credits   May be repeated for a total of 12 credits. Prerequisites: LING 5110. Grading Basis: Graded</p> <p>Lectures and discussion of classic and current articles in first language acquisition; presentation of ongoing student research.</p>	<p>5120. <b>Acquisition II</b> <b>3.00 credits</b> Prerequisites: LING 5110. Grading Basis: Graded</p> <p>Lectures and discussion of classic and current articles in first language acquisition; presentation of ongoing student research.</p>

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**2223-040**    [15045](#)    MAST 1200

Revise [Course \(G\)\(S\)](#)

Existing Copy	Proposed Revisions, Changes Highlighted
<p>1200. Introduction to Maritime Culture 3.00 credits</p>	<p>1200. Introduction to Maritime Culture 3.00 credits</p>

<p>Prerequisites: None. Grading Basis: Graded</p> <p>A study of history and literature to understand the international maritime culture that links peoples, nations, economies, environments, and cultural aesthetics. CA 1-C</p>	<p>Prerequisites: None. Grading Basis: Graded</p> <p>A study of history and literature to understand the international maritime culture that links peoples, nations, economies, environments, and cultural aesthetics. CA 1-B &amp; C</p>
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2223-045

**Anthropology**

Revise **Major**

Existing Copy	Proposed Revisions, Changes Highlighted
<p>Anthropology studies human beings of all times and places. It examines human biological, cultural and social similarities and differences, and tries to explain them. Because of its broad perspective — which stresses writing, critical thinking, and social analysis — anthropology provides an excellent preparation for a variety of professional and business careers. Anthropology can also be an integral part of the training for life that is the goal of the University’s liberal arts program.</p> <p>Students must take the following major courses:</p> <ul style="list-style-type: none"> <li>A. ANTH 1000 or 1006 or 1500.</li> <li>B. ANTH 2000, 2501, and 2502.</li> <li>C. At least one course in an ethnographic area (ANTH 3021, 3026, 3027, 3028, 3029, 3030, 3038, 3041, 3042, 3050, 3155, or 3904).</li> <li>D. At least one information literacy course (ANTH 2600, 3003, 3004, 3200, 3202W, 3250, 3300, 3340E, 3450W, 3506W, 3555, 3701, 3703, 3704 W, or 3706).</li> <li>E. At least nine additional anthropology credits at the 2000 level or above. No more than one ethnographic area (Requirement C) course can be applied here. No more than six credits from the following courses can be counted towards this requirement: ANTH 3081, 3090, 3093, 3096, 3099.</li> <li>F. A minimum of 12 credits of related courses (2000 level or above) must be approved by the major advisor.</li> </ul> <p>To satisfy the writing in the major competency, one of the courses above must be a 2000 level or above ANTH W course. At least 24 2000-level or above</p>	<p>Anthropology studies human beings of all times and places. It examines human biological, cultural and social similarities and differences, and tries to explain them. Because of its broad perspective — which stresses writing, critical thinking, and social analysis — anthropology provides an excellent preparation for a variety of professional and business careers. Anthropology can also be an integral part of the training for life that is the goal of the University’s liberal arts program.</p> <p>Students must take the following major courses:</p> <ul style="list-style-type: none"> <li>A. ANTH 1000 or 1006 or 1500.</li> <li>B. ANTH 2000, 2501, and 2502.</li> <li>C. At least one course in an ethnographic area (ANTH 3021, <b>3025</b>, 3026, 3027, 3028, 3029, 3030, 3038, 3041, 3042, 3050, 3155, or 3904).</li> <li>D. At least one information literacy course (ANTH 2600, 3003, 3004, 3200, 3202W, 3250, 3300, 3340E, 3450W, 3506W, 3555, 3701, 3703, 3704 W, or 3706).</li> <li>E. At least nine additional anthropology credits at the 2000 level or above. No more than one ethnographic area (Requirement C) course can be applied here. No more than six credits from the following courses can be counted towards this requirement: ANTH 3081, 3090, 3093, 3096, 3099.</li> <li>F. A minimum of 12 credits of related courses (2000 level or above) must be approved by the major advisor.</li> </ul> <p>To satisfy the writing in the major competency, one of the courses above must be a 2000 level or above ANTH W course. At least 24 2000-level or above</p>

<p>Anthropology credits need to be completed with an average GPA of 2.0 or higher.</p> <p>Minors in Anthropology, Anthropology of Global Health, Native American and Indigenous Studies, and Religion are described in the “Minors” section.</p>	<p>Anthropology credits need to be completed with an average GPA of 2.0 or higher.</p> <p>Minors in Anthropology, Anthropology of Global Health, Native American and Indigenous Studies, and Religion are described in the “Minors” section.</p>
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**2223-046**     [14205](#)   **COMM 3230**     **Revise Course**

Existing Copy	Proposed Revisions, Changes Highlighted
<p>3230. Marital and Family Communication 3.00 credits Prerequisites: COMM 2200. Grading Basis: Graded</p> <p>The role of communication in family life, including marital, parent/child, and sibling relationships; the interdependence of families and the unique demands these interrelationships place on communication. Formerly offered as COMM 4240.</p>	<p>3230. <b>Family Communication</b> 3.00 Credits Prerequisites: COMM 2200. Grading Basis: Graded</p> <p>The role of communication <b>theories and processes in family contexts, construed broadly to include the biological, legal, and voluntary kin comprising diverse families today.</b> Formerly offered as COMM 4240.</p>

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**2223-047**     [12485](#)   **STAT 4845**     **Add Course**

Proposed Copy
<p>STAT 4845. Applied Spatio-Temporal Statistics 3.00 credits Prerequisites: STAT 3445; STAT 3215 or STAT 3675 or instructor consent Recommended Preparation: Experience with R. Grading Basis: Graded</p> <p>Applied statistical methodology and computing for spatio-temporal data, including visualization, models, and inferences. Extreme value analysis in spatio-temporal contexts. Focus on models that account for spatio-temporal dependence and inferences that provide appropriate uncertainty measures, with applications to real-world problems using open-source software.</p>

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**2223-048**     [14485](#)   **PNB 1000**     **Revise Course (S)**

Existing Copy	Proposed Revisions, Changes Highlighted
<p>1000. Introduction to Physiology and</p>	<p>1000. <b>Preparation for success as a PNB major</b></p>



<p>Neurobiology 1.00 credits Prerequisites: Open to first-year students, others with consent of instructor. Grading Basis: Satisfactory/Unsatisfactory</p> <p>An introduction for declared and prospective Physiology and Neurobiology majors. Introduces key discoveries, current research areas, and technological innovations in physiology and neurobiology, and develops familiarity with the PNB department. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).</p>	<p><b>2.00</b> credits Prerequisites: Open to first-year students <b>majoring in Physiology and Neurobiology</b>, others with consent of instructor. Grading Basis: Satisfactory/Unsatisfactory</p> <p><b>A hands-on introduction to scientific methods for first-year declared and prospective Physiology and Neurobiology students. May include discussions of current research in Physiology and Neurobiology and skills for academic success within the PNB major.</b></p>
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**2223-049**     **14445** PP 5363

Revise **Course**

Existing Copy	Proposed Revisions, Changes Highlighted
<p>5363. Administrative Functions of Local Government 3.00 credits Prerequisites: None. Grading Basis: Graded</p> <p>An examination of the characteristic managerial problems of the several functions of local government such as police, fire, traffic, public works, parks, health, recreation. Designed for individuals planning to work with citizen agencies, in agencies for governmental management, or in journalism.</p>	<p>5363. <b>Local Government Management and Leadership</b> 3.00 credits Prerequisites: None. Grading Basis: Graded</p> <p>An examination of the characteristic managerial problems of the several functions of local government such as police, fire, traffic, public works, parks, health, recreation. Designed for individuals planning to work with citizen agencies, in agencies for governmental management, or in journalism.</p>

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