

**Central Connecticut State University**  
UNIVERSITY SENATE ACTION

**Senate Motion Number FS 21.22.021B**

TO: President Zulma Toro

FROM: President of the University Senate

1. The attached motion of the University Senate, dealing with: **Curriculum Committee report, April 2022 (FIRC proposal excluded)**, is presented to you for your consideration.
2. This motion was adopted by the University Senate on **05/02/2022**.
3. After considering this motion, please indicate your action on this form, and return it together with the original copy to the President of the University Senate.
4. Under the By-Laws of the University Senate, Section 3.7, the following schedule of action is to be observed.
  - a) By **06/03/2022**, Senate action reported to the President of the University. (Within five school days of the session in which they are adopted).
  - b) By **06/17/2022**, the President of the University to return the motion to the President of the Senate. (Within ten school days of its receipt).

**06/03/2022**

Date



Frederic Latour, President, University Senate

ENDORSEMENT:

TO: President of the University Senate

FROM: President Zulma Toro

1. Motion Approved : \_\_\_\_\_ ✓
2. Motion Disapproved: \_\_\_\_\_ (Explanatory statement must be appended).
3. Action "is deferred": \_\_\_\_\_
4. Resolution Noted: \_\_\_\_\_
5. Other: \_\_\_\_\_

Date

**6/8/2022**

President Zulma Toro



TO	Faculty Senate
FROM	Ned Moore, Chair, University Curriculum Committee ned.moore@ccsu.edu
SUBJECT	Senate Report for the 4 <sup>th</sup> Round of Curriculum Meetings, Rev A
DATE	4/29/2021

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### 1.0 Announcements

- a. Beth Merenstein is spearheading a pilot FYE course for exploratory students. There will be five sections, each focused on a different study area (business, STEM, etc.) They will run in fall 2022 and the students will be tracked at least until sophomore year to look for differences in retention. Students will be assigned to the course by advisors, and not all exploratory students will participate. Students will earn two general education credits in SK IV.

### 2.0 Minor Changes

- a. HIST 329 - History of Working America - Reinstate a recently deleted course
- b. ENG 360 – Cycling change from Even Years to Irregular
- c. ENG 361 – Cycling change from Even Years to Irregular
- d. ETM 467 – Description Change
  - i. Old - Application of the finite element method to structural engineering problems. Study of truss, beam, plane stress, plane strain, shell, and solid continuum finite elements; mesh generation; proper element density and element interfacing; and composite modeling problems.
  - ii. New – Application of the finite element method using commercially available finite element software for structural engineering applications including linear static, modal, buckling, and thermal stress analyses in addition to conductive and convective heat transfer analyses. Overview of essential topics from linear algebra including matrix multiplication, matrix inversion, and determinants. Development of the finite element stiffness method for one-dimensional spring problems. Study of truss, beam, plane stress, plane strain, axisymmetric, shell, and solid continuum finite elements; mixed element models; symmetry; stress singularities; and mesh convergence. Three hours of lecture per week.
- e. ME 467 – Description Change
  - i. Old – A first course in the finite element method that includes the solution of spring and truss structures using the stiffness method and the principle of minimum potential energy. Subsequent study of beam, plane stress, plane strain, axisymmetric, plate, and solid elements. Additional topics include theory of elasticity basics, mesh convergence, element interpolation functions, and element integration schemes. Additional structural applications will include modal, buckling, thermal stress, and dynamic analyses. Heat transfer, fluid mechanics, and nonlinear structural analyses applications will also be introduced. Analyses will include the use of commercially available finite element software. Two hours lecture and two hours laboratory, course meets four hours per week
  - ii. New – A first course in the finite element method that includes the solution of spring, truss, and beam structures using the stiffness method and the principle of minimum potential energy applied to spring problems. Subsequent study of beam, plane stress, plane strain, axisymmetric, plate, and solid elements. Additional topics include mixed element models, mesh convergence, symmetry, stress singularities, and an

introduction to element interpolation functions and element integration schemes. Additional structural applications include modal, buckling, dynamics, and thermal stress analyses in addition to conductive and convective heat transfer analyses. Analyses will include the use of commercially available finite element software. Two hours of lecture and two hours of laboratory per week.

- f. TE 221
  - i. Old Title: Innovation & Invention
  - ii. New Title: Innovation & Invention for Makerspaces and Lab
- g. WRT 100 – Description Change
  - i. Old: Focus on improvement of basic writing skills in order to meet entrance requirements for WRT 110. After review of grammar and punctuation, the course emphasizes sentence and paragraph formation and the development of the coherent essay. Students who are required to take WRT 100 must pass the course with a C- or better before successful completion of 30 hours of coursework. No credit for students with credit for ENG 099, WRT 105 or WRT 110.
  - ii. New: To prepare students for WRT 110, this course focuses on the fundamental skills of academic writing (developing and presenting a controlling idea; responding to reading; awareness of audience; writing conventions such as tone, mechanics, and citations), and the steps necessary to write successfully in college (crafting sound arguments; developing and organizing essays; prioritizing different writing tasks; reflecting on one's own writing). Students who are required to take WRT 100 must pass the course with a C- or better before successfully completing 30 credits. For students with a WRT 100 placement, this course is a pre-requisite for WRT 105/WRT 105P and WRT 110. No credit given for students with prior credit for ENG 099, WRT 105 and/or WRT 110.

### 3.0 Consent Agenda

Item	Type	Name
3.1	Change Program	<a href="#">Biomolecular Sciences, B.S.</a>
3.2	New Course	<a href="#">BUS 250 Introduction to Business Analytics and Skills - 3 credits</a>
3.3	Change Course	<a href="#">BUS 544 Business Process Modeling - 3 credits</a>
3.4	Change Course	<a href="#">BUS 548 Business Decision Models - 3 credits</a>
3.5	New Program	<a href="#">Business Administration, B.S.</a>
3.6	New Program	<a href="#">Official Certificate Program in Business Analytics</a>
3.7	New Program	<a href="#">Certificate in Database Management</a>
3.8	Change Program	<a href="#">Management Information Systems, B.S.</a>
3.9	Delete Program	<a href="#">Caribbean Studies Minor</a>
3.10	New Course	<a href="#">DAN 210 Occupational Wellness in Dance Education - 3 credits</a>
3.11	New Course	<a href="#">DATA 576 Topics in Data Science - 4 credits</a>
3.12	Change Course	<a href="#">EDL 605 Leadership in Teaching and Learning I - 3 credits</a>
3.13	Change Course	<a href="#">EDL 606 Leadership in Teaching and Learning II - 3 credits</a>
3.14	Change Course	<a href="#">EDL 610 School Leadership I - 3 credits</a>
3.15	Change Course	<a href="#">EDL 611 School Leadership II - 3 credits</a>
3.16	Change Course	<a href="#">EDL 688 Administration of Programs for Diverse Learners I - 1 credits</a>
3.17	Change Course	<a href="#">EDL 689 Administration Programs for Diverse Learners II - 1 credits</a>
3.18	Change Course	<a href="#">EDL 720 Inquiry Seminar XI: Disseminating Research Findings - 2 credits</a>
3.19	New Course	<a href="#">EDL 734 Leadership and Innovation in Higher Education Administration - 3 credits</a>

3.20	Change Course	<a href="#"><u>EXS 407 Exercise Physiology and Applied Biomechanics - 3 credits</u></a>
3.21	New Course	<a href="#"><u>EXS 517 Exercise Physiology and Applied Biomechanics - 3 credits</u></a>
3.22	Change Course	<a href="#"><u>PE 404 Methods of Teaching School Health Education - 3 credits</u></a>
3.23	New Course	<a href="#"><u>PE 514 Methods of Teaching School Health Education - 3 credits</u></a>
3.24	New Course	<a href="#"><u>PE 516 Adapted Physical Education - 3 credits</u></a>
3.25	Change Course	<a href="#"><u>PE 406 Adapted Physical Education - 3 credits</u></a>
3.26	New Course	<a href="#"><u>MUS 102 Fundamentals of Musicianship - 3 credits</u></a>
3.27	Change Course	<a href="#"><u>MUS 235 Music History I - 3 credits</u></a>
3.28	Change Course	<a href="#"><u>MUS 334 Music History II - 3 credits</u></a>
3.29	Change Course	<a href="#"><u>MUS 335 Music History III - 3 credits</u></a>
3.30	Change Program	<a href="#"><u>Robotics and Mechatronics Engineering, B.S.</u></a>
3.31	Change Course	<a href="#"><u>GRT 272 Packaging Technology - 3 credits</u></a>
3.32	Change Program	<a href="#"><u>Electrical Engineering, B.S.</u></a>
3.33	Change Program	<a href="#"><u>Statistics Minor</u></a>
3.34	Change Course	<a href="#"><u>COMM 410 Public Opinion - 4 credits</u></a>
3.35	Change Program	<a href="#"><u>Strategic Communication, B.A.</u></a>
3.36	Change Course	<a href="#"><u>TE 150 Fundamentals of Engineering and Technology for Teachers - 3 credits</u></a>