General Education Learning Outcomes
as approved by the General Education Subcommittee
December 7, 2015

PREAMBLE

PRINCIPLES

- CSU East Bay General Education (GE) Learning Outcomes for Areas A-E were aligned with the requirements of Executive Order 1100 - General Education Breadth Requirements
- In order to qualify for General Education credit, a course must thoroughly embed the required outcomes for that area.
- Completion of Area C (12 semester units) and Area D (12 semester units) must include courses from at least 3 different disciplines, as represented by course prefix.
- Upper-division GE courses shall be taken no sooner than the term in which upper-division status is attained, as required in EO 1100.
- Required oral communication outcomes will be enforced for online courses and recorded forms are allowed to accommodate the online environment.
- Courses will not be approved for more than one of GE Areas A - D.

REQUIREMENTS

- In cases where a course has an external examination for credit (AP, IB, CLEP), GE area approval shall be consistent with the Chancellor’s Office (CO) recommendations.
- For each learning outcome and area characteristic, GE course applications will require a brief narrative explaining how students will develop and demonstrate that outcome/characteristic. Evidence must include specific activities and assignments.

RECOMMENDATIONS

- An institution level programmatic review of current and potential GE offerings should occur in order to ensure sufficient access to students under semesters.
- Starting in 2018, the clock should start on the enforcement of 13-14 CIC 4 - Renewal of General Education Classes.
- As part of GE Program assessment, departments offering GE courses may be asked to provide sample student artifacts as described in their GE area proposals.
- GE requirements completed under the quarter calendar will be honored as completed under the semester calendar in keeping with CSU East Bay’s Student Pledge and EO 1100.
- The GE Subcommittee intends to create a curriculum map between the GE area outcomes and the Institutional Learning Outcomes in order to facilitate an understanding of GE as a program as well as to facilitate program-level assessment.
LEARNING OUTCOMES

Area A - English Language, Communication, and Critical Thinking (9 semester units)

A1 - Oral Communication (3 semester units)

As appropriate, American Sign Language may be substituted for oral communication.

Students will be able to

1. describe the principles of effective oral communication, including its form, content, and context;
2. develop proficiency in and use oral communication in English, drawing on rhetorical perspectives, to advocate for a cause or idea, and present facts and arguments in an organized and accurate manner;
3. practice the discovery, critical evaluation, and reporting of information; and
4. actively participate in and practice oral communication.

A2 - Written Communication (3 semester units)

Students will be able to

1. describe the principles of effective written communication, including its form, content, and context;
2. demonstrate proficiency in and use written communication in English, drawing on rhetorical perspectives, to advocate for a cause or idea, and present facts and arguments in an organized and accurate manner;
3. practice the discovery, critical evaluation, and reporting of information, as well as read and write effectively; and
4. actively participate in and practice written communication.

A3 - Critical Thinking (3 semester units)

Students will be able to

1. understand logic and its relation to language, and elementary inductive and deductive processes, including an understanding of the formal and informal fallacies of language and thought;
2. demonstrate the ability to distinguish among different sorts of claims, such as statements of opinion, reasoned judgments, proofs, and articles of faith; and
3. develop the ability to analyze, criticize, and advocate ideas; reason inductively and deductively; and reach well-supported factual or judgmental conclusions.
Area B - Scientific Inquiry and Quantitative Reasoning (12 semester units)

B1 - Physical Science (3 semester units)

Students will be able to

1. demonstrate knowledge of scientific theories, concepts, and data about the physical sciences;
2. demonstrate an understanding of scientific principles and the scientific methods; and
3. develop the ability to describe the potential limits of scientific endeavors, and the value systems and ethics associated with human inquiry.

B2 - Life Sciences (3 semester units)

Students will be able to

1. demonstrate knowledge of scientific theories, concepts, and data about the life sciences;
2. demonstrate an understanding of scientific principles and the scientific method; and
3. describe the potential limits of scientific endeavors, and the value systems and ethics associated with human inquiry.

B3 - Laboratory Activity

Laboratory activities that are not a component of B1 or B2 course must have a pre- or co-requisite of a B1 or B2 course in the same discipline.

Course characteristic:

- courses should emphasize collaboration in a laboratory setting.

Students will be able to

1. apply their knowledge of scientific theories, concepts, and data about the physical and life sciences through laboratory activities;
2. apply their understanding of scientific principles and the scientific method in a laboratory setting; and
3. practice the value systems and ethics associated with human inquiry, while completing laboratory activities.

B4 - Mathematics/Quantitative Reasoning (3 semester units)

B4 courses shall have an explicit intermediate algebra prerequisite.

In B4 courses, students will not just practice computational skills, but will engage in more complex mathematical work.
Students will be able to

1. explain and apply basic mathematical concepts; and
2. solve problems through quantitative reasoning.

B6 - Upper Division Science Inquiry and Quantitative Reasoning (3)

Courses in B6 may focus on any area of the sciences, including mathematics.

Students will be able to

1. demonstrate advanced and/or focused science or quantitative content knowledge in a specific scientific field, using appropriate vocabulary and referencing appropriate concepts (such as models, uncertainties, hypotheses, theories, and technologies);
2. apply advanced quantitative skills (such as statistics, algebraic solutions, interpretation of graphical data) to scientific problems and evaluate scientific claims;
3. demonstrate understanding of the nature of science and scientific inquiry and the experimental and empirical methodologies used in science to investigate a scientific question or issue; and
4. apply science content knowledge to contemporary scientific issues (e.g. global warming) and technologies (e.g. cloning), where appropriate.

Area C - Arts and Humanities (12 semester units)

Area C courses may include participation in individual aesthetic, creative experiences; however, it excludes courses that solely emphasize skills development.

Completion of Area C must include courses from at least 3 different disciplines as represented by course prefix.

C1- Arts (3 semester units)

Students will be able to

1. demonstrate an appreciation of the arts using their intellect, imagination, sensibility, and sensitivity;
2. respond to aesthetic experiences in the arts and develop an understanding of the integrity of both emotional and intellectual responses; and
3. in their intellectual and subjective considerations, demonstrate an understanding of the relationship among the self, the creative arts, and culture.
C2 - Humanities (3 semester units)

Students will be able to

1. show appreciation for the humanities using their intellect, imagination, sensibility, and sensitivity;
2. develop their affective and cognitive faculties through studying great works of human imagination; and
3. demonstrate an understanding of the relationship between the self and the humanities.

C3 - Creative Expression (3 semester units)

Students will be able to

1. exhibit their intellect, imagination, sensibility and sensitivity through substantive active participation in creative endeavors;
2. examine and respond to a wide variety of creative works; and
3. through their creative expression, develop an understanding of the self and others.

C4 - Upper Division Arts or Humanities (3 semester units)

C4 courses shall have an explicit prerequisite of completion of GE A1, A2, A3.

C4 courses will have maximum capacity of 30.

Course characteristics:

- advanced writing requiring a minimum of 4,000 assigned words (informal writing, drafts of papers, tests, exams, and other written work) with critical feedback provided by an instructor to students throughout the semester;
- critical thinking and information literacy that includes at least one assignment requiring original analysis, using evidence to support a conclusion, and/or involving research;
- oral communication or manual communication (sign language) involving at least one significant oral presentation with a visual aid or a significant original recorded presentation with graphics.
- at least one classroom activity or assignment that requires students to collaborate with their peers.

Students will be able to

1. demonstrate an understanding of and ability to apply principles, methodologies, value systems, and thought processes employed in the arts and humanities;
2. analyze cultural production as an expression of our shared humanity; and
3. use the perspectives of the arts and humanities to demonstrate the capacity to participate in and contribute to their local and global communities as informed, engaged, and reflective citizens.
Area D - Social Sciences (12 semester units)

Courses that emphasize skills development and professional preparation are excluded from Area D.

Completion of Area D must include courses from at least 3 different disciplines as represented by course prefix.

D1-3 - Social Sciences (9 semester units)

Students will be able to

1. describe how social, political, and economic institutions and behavior are interwoven;
2. explain how humans individually and collectively relate to relevant social, political, and economic systems—how they produce, resist, and transform them;
3. discuss and debate issues from the course’s disciplinary perspective in a variety of historical, contemporary, and cultural contexts; and
4. explore principles, methodologies, value systems, and ethics employed in social scientific inquiry.

D4 - Upper Division Social Sciences (3)

D4 courses shall have an explicit prerequisite of completion of GE A1, A2, A3.

D4 courses will have maximum capacity of 30.

Course characteristics:

- advanced writing requiring a minimum of 4,000 assigned words (informal writing, drafts of papers, tests, exams, and other written work) with critical feedback provided by an instructor to students throughout the semester;
- critical thinking and information literacy that includes at least one assignment requiring original analysis, using evidence to support a conclusion, and/or involving research;
- oral communication or manual communication (sign language) involving at least one significant oral presentation with a visual aid or a significant original recorded presentation with graphics.
- at least one classroom activity or course assignment that requires students to collaborate with their peers.

Students will be able to

1. analyze the importance of power and social identity in order to participate effectively in today’s world;
2. demonstrate an understanding of and ability to apply accurately disciplinary concepts of the social or behavioral sciences; and
3. demonstrate an understanding of and the ability to effectively plan or conduct research using an appropriate method of the social or behavioral sciences.

**Area E Lifelong Learning and Self-Development (3 semester units)**

For native first-year students
- this requirement will be satisfied via 2 units of General Studies and 1 unit of information literacy (see CIC 40, 2014-2015) as part of the first year experience.

For transfer students who have not already satisfied Area E prior to transfer
- Courses may address topics such as human behavior, sexuality, nutrition, physical and mental health, stress management, physical literacy, information literacy, financial literacy, social relationships and relationships with the environment, as well as implications of death and dying and avenues for lifelong learning.

Students will be able to

1. develop intellectual, practical, and/or physical skills and abilities that will serve them throughout their lives;
2. apply their learning to other pursuits within and outside of the classroom; and
3. make informed and ethical decisions.