

Solano Community College

Academic Senate
CURRICULUM COMMITTEE

AGENDA

Tuesday, March 23, 2010
1:30 p.m., Board Room

1. ROLL CALL

Robin Arie-Donch, Jeff Cardinal, Lynn Denham-Martin, Christine Ducoing, Erin Farmer (Chair), Marianne Flatland, Laura Maghoney, Mary Mazzocco, Máire Morinec, Lexi Parmer, Leslie Rota, Sandra Rotenberg, Pei-Lin Van't Hul, Luis Vazquez, and Teri Yumae.

2. APPROVAL OF AGENDA

All matters listed under the Consent Items are considered routine and will be enacted by the approval of the agenda unless removed from the Consent Items by a Committee member.

3. CONSENT ITEMS

4. APPROVAL OF MINUTES – March 9, 2010 (Attachment)

5. COURSE MODIFICATIONS

- a. (CP-10-12) ENGL 348E –English Fundamentals – Change in prerequisites.
 - 1) Action on prerequisite = A score of 90-101 within the last three years on the sentence skills section of the assessment test.

6. MATH AND SCIENCE CURRICULUM REVIEW

Course Modifications Astronomy

- a. (CP-10-13) ASTR 010 – General Astronomy – Change in other catalog information, student performance objectives.
 - 1) Action on course.
- b. (CP-10-14) ASTR 020 – Astronomy Laboratory – Change in units, total weekly hours, method of instruction, course advisory, other catalog information, and textbook.
 - 1) Action on revalidation; prerequisite = ASTR 010, 030, or 040 (they may be taken concurrently).
 - 2) Action on course.
- c. (CP-10-15) ASTR 030 – The Solar System – Change in other catalog information, writing assignments, other assignments, and textbook.
 - 1) Action on course.
- d. (CP-10-16) ASTR 040 – Stars, Galaxies, and Cosmology – Change in other catalog information, methods of evaluating student achievement, writing assignments, other assignments, and textbook.
 - 1) Action on course.

Course Modifications Biology

- a. (CP-10-17) BIO 001 – Principles of Organismal Biology – Change in course number, course title, method of instruction, prerequisites, catalog description, other catalog information, methods of evaluating student achievement, writing assignments, other assignments, content outline, and textbooks.
 - 1) Action on prerequisite = BIO 002.
 - 2) Action on revalidation; prerequisite = MATH 104.
 - 3) Action on course.
- b. (CP-10-18) BIO 002 – Principles of Cell and Molecular Biology – Change in catalog description, student performance objectives, content outline, and textbooks.

- 1) Action on revalidation; prerequisite = CHEM 001.
- 2) Action on course.
- c. (CP-10-19) BIO 004 – Human Anatomy – Change in method of instruction, course advisory, catalog description, student performance objectives, methods of evaluating student achievement, content outline, and textbook.
 - 1) Action on course.
- d. (CP-10-20) BIO 005 – Introductory Physiology – Change in method of instruction, prerequisites, catalog description, student performance objectives, methods of evaluating student achievement, writing assignments, other assignments, content outline, and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of “C” or better in BIO 004 and CHEM 001 or CHEM 010 or CHEM 051.
 - 2) Action on course.
- e. (CP-10-21) BIO 012 – Environmental Science – Change in method of instruction, other catalog information, and textbooks. Add online form.
 - 1) Action on course.
- f. (CP-10-22) BIO 015 – Introduction to Biology – Change in method of instruction, catalog description, other catalog information, methods of evaluating student achievement, reading assignments, writing assignments, other assignments, content outline, and textbooks.
 - 1) Action on course.
- g. (CP-10-23) BIO 018 – Biology of Sex – Change in course advisory, catalog description, student performance objectives, writing assignments, other assignments, content outline, and textbooks.
 - 1) Action on course.
- h. (CP-10-24) BIO 019 – Marine Biology – Change in catalog description, other catalog information, writing assignments, other assignments, content outline, textbook.
 - 1) Action on course.
- i. (CP-10-25) BIO 049H – Biology Honors – Change in course number.
 - 1) Action on revalidation; prerequisite = 1. Eligibility for Honors Program. 2. BIO 001, BIO 002, BIO 005, BIO 004, or BIO 015 (any of these courses may be taken concurrently).
 - 2) Action on course.

Course Modifications Chemistry

- a. (CP-10-26) CHEM 001 – General Chemistry – Change in course advisory, catalog description, other catalog information, methods of evaluating student achievement, writing assignments, content outline, and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of “C” or better in any of the following: MATH 104 OR two years of high school algebra; AND one of the following: (a) CHEM 160 with a grade of “C” or better OR (b) one year of high school chemistry with a grade of “C” or better.
 - 2) Action on course.
- b. (CP-10-27) CHEM 002 – General Chemistry – Change in method of instruction, other catalog information, writing assignments, content outline, and textbook. Add hybrid form.
 - 1) Action on revalidation; prerequisite = CHEM 001 with a grade of “C” or better.
 - 2) Action on course.
- c. (CP-10-28) CHEM 003 – Organic Chemistry I – Change in method of instruction, catalog description, other catalog information, methods of evaluating student achievement, reading assignments, writing assignments, and textbook.
 - 1) Action on revalidation; prerequisite = CHEM 002 with a grade of “C” or better.
 - 2) Action on course.
- d. (CP-10-29) CHEM 004 – Organic Chemistry II – Change in method of instruction, course advisory, other catalog information, writing assignments, content outline, and textbook.
 - 1) Action on revalidation; prerequisite = CHEM 003 with a grade of “C” or better.
 - 2) Action on course.

- e. (CP-10-30) CHEM 010 – Intermediate Chemistry – Change in course advisory, catalog description, other catalog information, methods of evaluating student achievement, content outline, and textbooks.
 - 1) Action on revalidation; prerequisites = A grade of “C” or better in CHEM 160 or two semesters of high school chemistry, and a grade of “C” or better in MATH 104 or MATH 114 or two years of high school algebra.
 - 2) Action on course.
- f. (CP-10-31) CHEM 011 – Basic Organic Chemistry and Biochemistry – Change in other catalog information, reading assignments, writing assignments, and textbooks.
 - 1) Action on revalidation; prerequisite = CHEM 010 or CHEM 001 with a grade of “C” or better.
 - 2) Action on course.
- g. (CP-10-32) CHEM 051 – Chemistry for the Health Sciences – Change in method of instruction, prerequisites, other catalog information, student performance objectives, writing assignments, and textbooks.
 - 1) Action on prerequisite = MATH 104 or MATH 114.
 - 2) Action on revalidation; prerequisite = A grade of “C” or better in CHEM 160 or two semesters of high school chemistry, and a grade of “C” or better in MATH 104 or MATH 114 or the equivalent or two years of high school algebra.
 - 3) Action on course.
- h. (CP-10-33) CHEM 160 – Introductory Chemistry – Change in method of instruction, other catalog information, reading assignments, writing assignments, content outline, and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of “C” or better in any of the following: MATH 104 OR MATH 114 OR two years of high school algebra.
 - 2) Action on course.

Course Modifications Engineering

- a. (CP-10-34) ENGR 017 – Introduction to Electrical Engineering – Change in units, methods of evaluating student achievement, writing assignments, and textbooks.
 - 1) Action on revalidation; prerequisite = PHYS 007.
 - 2) Action on course.
- b. (CP-10-35) ENGR 030 – Engineering Mechanics: Statics – Change in units and textbook.
 - 1) Action on revalidation; prerequisite = MATH 021, PHYS 006.
 - 2) Action on course.

Course Modifications Geography

- a. (CP-10-36) GEOG 001 – Physical Geography – Change in method of instruction, other catalog information, and textbooks.
 - 1) Action on course.
- b. (CP-10-37) GEOG 060 – Advanced Geographic Information Systems – Change in method of instruction, catalog description, and textbooks. Add online form; add hybrid form.
 - 1) Action on revalidation; prerequisite = GEOG 010 or GEOL 010.
 - 2) Action on course.
- c. (CP-10-38) GEOG 061 – Introduction to Global Positioning Systems – Change in method of instruction and catalog description.
 - 1) Action on course.
- d. (CP-10-39) GEOG 062 – Advanced Global Positioning Systems – Change in method of instruction, catalog description, and textbook.
 - 1) Action on revalidation; prerequisite = GEOG 061.
 - 2) Action on course.

Course Modifications Math

- a. (CP-10-40) MATH 002 – Algebra for Calculus (College Algebra) – Change in content outline and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of “C” or better in Mathematics 104.
 - 2) Action on course.
- b. (CP-10-41) MATH 004 – Precalculus Mathematics – Change in student performance objectives, content outline, and textbook.

- 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 103 and MATH 104.
- 2) Action on course.
- c. (CP-10-42) MATH 011 – Elementary Statistics – Change in other catalog information, student performance objectives, other assignments, and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 104.
 - 2) Action on course.
- d. (CP-10-43) MATH 012 – Mathematical Ideas – Change in student performance objectives, methods of evaluating student achievement, and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 104.
 - 2) Action on course.
- e. (CP-10-44) MATH 020 – Analytic Geometry and Calculus I – Change in units, other catalog information, student performance objectives, content outline, and textbooks.
 - 1) Action on revalidation; prerequisite = Grades of "C" or better in MATH 002 and MATH 051, or MATH 004.
 - 2) Action on course.
- f. (CP-10-45) MATH 021 – Analytic Geometry and Calculus II – Change in units, prerequisites, student performance objectives, content outline, and textbooks.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 020.
 - 2) Action on course.
- g. (CP-10-46) MATH 022 – Analytic Geometry and Calculus III – Change in student performance objectives, methods of evaluating student achievement, and textbook.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 021.
 - 2) Action on course.
- h. (CP-10-47) MATH 023 – Differential Equations – Change in units, student performance objectives, and textbook.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 021.
 - 2) Action on course.
- i. (CP-10-48) MATH 030 – Analytic Geometry and Calculus – Change in student performance objectives and textbook.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 104.
 - 2) Action on course.
- j. (CP-10-49) MATH 031 – Analytic Geometry and Calculus – Change in student performance objectives and textbook.
 - 1) Action on revalidation; prerequisite = MATH 030 with a grade of "C" or better.
 - 2) Action on course.
- k. (CP-10-50) MATH 051 – Trigonometry – Change in content outline and textbooks.
 - 1) Action on revalidation; prerequisite = MATH 103 and 104 with grades of "C" or better. Equivalent courses may be substituted for the prerequisite courses.
 - 2) Action on course.
- l. (CP-10-51) MATH 104 – Intermediate Algebra – Change in student performance objectives and content outline.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 330 or 330B.
 - 2) Action on course.
- m. (CP-10-52) MATH 112 – Algebraic Reasoning – Change in total weekly hours.
 - 1) Action on revalidation; prerequisite = MATH 330 or MATH 330B with a grade of "C" or better.
 - 2) Action on course.
- n. (CP-10-53) MATH 114 – Math for Health Occupations – Change in total weekly hours, catalog description, student performance objectives, methods of evaluating student achievement, writing assignments, other assignments, and content outline.
 - 1) Action on revalidation; prerequisite = MATH 330 or MATH 330B with a grade of "C" or better.
 - 2) Action on course.
- o. (CP-10-54) MATH 310 – Arithmetic (Lecture) – Change in course title, units, total weekly hours, method of instruction, other catalog information, student performance objectives, methods of evaluating student achievement, and content outline.
 - 1) Action on course.
- p. (CP-10-55) MATH 320 – Pre-Algebra – Change in units, total weekly hours, method of instruction, prerequisites, catalog description, student performance objectives, other assignments, content outline, and textbooks.

- 1) Action on revalidation; prerequisite = Grade of "C" or better in MATH 310, or 3 units of credit in MATH 304, or 3 units of BUS 181 with a grade of "C" or better.
- 2) Action on course.
- q. (CP-10-56) MATH 330 – Elementary Algebra – Change in other catalog information, student performance objectives, methods of evaluating student achievement, other assignments, and textbook.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 320.
 - 2) Action on course.
- r. (CP-10-57) MATH 330A – Elementary Algebra, Part I – Change in units, student performance objectives, methods of evaluating student achievement, and other assignments.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 320.
 - 2) Action on course.
- s. (CP-10-58) MATH 330B – Elementary Algebra, Part II – Change in units, other catalog information, student performance objectives, methods of evaluating student achievement, and other assignments.
 - 1) Action on revalidation; prerequisite = A grade of "C" or better in MATH 330A.
 - 2) Action on course.

Course Modifications Physical Science

- a. (CP-10-59) PHSC 012 – Introduction to Principles of Physical Science – Change in method of instruction, catalog description, other catalog information, and textbooks. Add hybrid form.
 - 1) Action on course.

Course Modifications Physics

- a. (CP-10-60) PHYS 002 – General Physics (Non-calculus) – Change in units, course advisory, other catalog information, and textbook.
 - 1) Action on revalidation; prerequisite = MATH 051 or MATH 004 with grades of "C" or better.
 - 2) Action on course.
- b. (CP-10-61) PHYS 004 – General Physics (Non-calculus) – Change in units, course advisory, other catalog information, and textbook.
 - 1) Action on revalidation; prerequisite = PHYS 002 with a grade of "C" or better.
 - 2) Action on course.
- c. (CP-10-62) PHYS 006 – Physics for Science and Engineering – Change in units, other assignments, and textbooks.
 - 1) Action on revalidation; prerequisite = MATH 21 (may be taken concurrently).
 - 2) Action on course.
- d. (CP-10-63) PHYS 007 – Physics for Science and Engineering – Change in units, other assignments, and textbook.
 - 1) Action on revalidation; prerequisites = A grade of "C" or better in both PHYS 006 and MATH 021.
 - 2) Action on course.
- e. (CP-10-64) PHYS 008 – Physics for Science and Engineering – Change in units, course advisory, other catalog information, and textbook
 - 1) Action on revalidation; prerequisites = A grade of "C" or better in both PHYS 006 and Mathematics 021.

Curriculum Review Verification Forms

- a. (CP-10-65) Anthropology Curriculum Review Verification Form
- b. (CP-10-66) Astronomy Curriculum Review Verification Form
- c. (CP-10-67) Chemistry Curriculum Review Verification Form
- d. (CP-10-68) Engineering Curriculum Review Verification Form
- e. (CP-10-69) Physical Science Curriculum Review Verification Form
- f. (CP-10-70) Physics Curriculum Review Verification Form

Revalidation of Prerequisites and/or Corequisites Only – (no changes – no attachments)

- a. (CP-10-71) ANTH 049 – Anthropology Honors – Revalidate prerequisite of: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 5 units in the discipline with a grade of “B” or better; an ability to work independently; and permission of the Dean based on instructor availability.
- b. (CP-10-72) CHEM 097 – Special Projects – Revalidate prerequisite of: CHEM 002 with a grade of “C” or better.
- c. (CP-10-73) CHEM 018 – Exploring Math and Science Teaching – Revalidate prerequisite of: MATH 104.

Course Deletions – (no attachments)

- a. (CP-10-74) CHEM 049H – Chemistry Honors
- b. (CP-10-75) MATH 052 – Calculus Prep Boot Camp
- c. (CP-10-76) MATH 102 – Elementary Algebra
- d. (CP-10-77) MATH 107 – Elementary Algebra Part I
- e. (CP-10-78) MATH 108 – Elementary Algebra, Part II
- f. (CP-10-79) MATH 198B – Probability & Statistics for Teachers
- g. (CP-10-80) MATH 304 – Arithmetic (Self-Paced)

7. REPORT FROM THE CHAIR

8. REPORT FROM THE VICE PRESIDENT OF ACADEMIC AFFAIRS

9. REPORT FROM THE ARTICULATION OFFICER

10. OTHER

11. OPEN DISCUSSION

12. ADJOURNMENT

Next Meeting: April 13, 2010, 1:30 – 3:30 p.m., Board Room (626).

cc:agenda
Attachments