

Solano Community College

Academic Senate
CURRICULUM COMMITTEE

MINUTES

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

ROLL CALL

Present: Robin Arie-Donch; Jeff Cardinal; Dr. Joe Conrad (filling in for Dean Rota); Lynn Denham-Martin; Christine Ducoing; Erin Farmer, Chair; Marianne Flatland; Laura Maghoney; Mary Mazzocco; Máire Morinec; Lexi Parmer; Pei-Lin Van't Hul; Luis Vazquez; and Teri Yumae

Excused: Leslie Rota, Sandra Rotenberg, and Dr. Robin Steinback

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.

CONSENT ITEMS

It was moved by Mary Mazzocco and seconded by Lexi Parmer to approve the agenda.

Joe Conrad requested to pull BIO 012 from the Agenda.

The motion carried unanimously as amended.

APPROVAL OF MINUTES – March 9, 2010 (Attachment)

It was moved by Mary Mazzocco and seconded by Laura Maghoney to approve the minutes.

Robin Arie-Donch had the following change to the first paragraph under the Articulation Officer report.

“...Title 5 states that Solano College can use MATH 330 or MATH 330A, and MATH 330B ...”

Robin Arie-Donch had the following correction to the last paragraph under the Articulation Officer report.

“Robin Arie-Donch shared that she and the evaluators have been working to identify errors that are in the catalog. One error concerns Area D in the Option A General Education (GE). Before the math requirement was changed, Area D3 included a paragraph about taking a test in lieu of elementary algebra to meet graduation requirements. Students would get credit for the content but would still need three or more units of GE to be chosen from a list of courses. When the math requirement was changed and updated in the 2009-11 Catalog, this paragraph was deleted, along with the course list. Students have been able to use these courses to make up the minimum 21 unit general education requirement. Instead of replacing the course list under Area D3, Robin recommends adding an additional area, D4, with language clarifying that the courses do not fulfill the GE area requirements. Robin will bring this information to the committee at the next meeting for consideration and approval.”

The motion carried unanimously with approved changes.

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.

It was moved by Mary Mazzocco and seconded by Luis Vazquez to approve action on the prerequisite. The motion carried unanimously.

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.

It was moved by Joe Conrad and seconded by Lexi Parmer to approve action on the course.

Joe Conrad noted that the class size is listed as 107 and will be changed to 50. The College does not have a room to facilitate 107 students and therefore the class size will be listed correctly in the database in the future.

Robin Arie-Donch was concerned about Section 12a and 12b; the reading and writing assignments are weak. The committee agreed that the course needed to have more concrete reading and writing assignments.

The committee agreed to table action on the 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).

It was moved by Mary Mazzocco and seconded by Laura Maghoney to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Joe Conrad and seconded by Lexi Parmer to approve action on the course.

Joe Conrad noted that the change in Section 3, units, and Section 5b, Weekly hours, is incorrect; keep Section 3, at 1 unit, and keep Section 5b, at 0 Lecture, 0 Activities, 3 Lab, and 0 By Arrangement. This will also affect Section 6, which should be Lab and Hybrid. The committee accepted keeping Section 3 and Section 5b unchanged and changing Section 6 as noted.

The motion carried unanimously with agreed upon change.

- c. (CP-10-15) ASTR 030 – The Solar System – Change in other catalog information, writing assignments, other assignments, and textbook.
 - 1) Action on course.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the course.

Marianne Flatland noted the same concern as above about Section 12a and 12b; the reading and writing assignments are weak. Christine Ducoing explained that this course has a lot of math involved and Section 12a, Reading Assignments are appropriate. The committee agreed to change Section 12b to the following: "Written essay project, 5-7 pages."

The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the course.

Marianne Flatland noted that the written essay project was removed and was concerned that Section 12a and 12b; the reading and writing assignments are weak. The committee agreed that the course needed to have more concrete reading and writing assignments.

The committee agreed to table the action on the 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.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the prerequisite. The motion carried unanimously.

- 2) Action on revalidation; prerequisite = MATH 104.

It was moved by Lexi Parmer and seconded by Máire Morinec to approve action on the revalidation. The motion carried unanimously.

- 3) Action on course.

It was moved by Christine Ducoing and seconded by Teri Yumae to approve action on the course.

Marianne Flatland asked why the change to course number? Christine Ducoing explained that the numbering needed to occur to make the course in alignment with other four year schools and enable the course to continue to be articulated.

Robin Arie-Donch asked about the effective date for this course. Joe Conrad noted that it should be effective in Summer 2011.

The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Luis Vazquez and seconded by Christine Ducoing to approve action on the course.

Christine Ducoing noted that the Course Advisory should be: "Eligibility for ENGL 001 and SCC minimum Math standards." The committee agreed with the recommendation.

The motion carried unanimously with agreed upon change.

- 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.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the revalidation.

Christine Ducoing noted that the Course Advisory should be: "Eligibility for ENGL 001 and SCC minimum Math standards." The committee agreed with the recommendation.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

No action taken on course. Removed from agenda.

- 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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Laura Maghoney to approve action on the course.

Joe Conrad noted that the class size is listed as 107 and will be changed to 50. The College does not have a room to facilitate 107 students and therefore the class size will be listed correctly in the database in the future.

The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the course.

The committee discussed Section 12, Student Assignments, and whether or not the proposal reflects the rigor of the course. Erin Farmer agreed to post a question to the curriculum chair list serve to find out their general practice on how they list the student assignments in their science courses.

The motion carried unanimously.

- 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).

It was moved by Christine Ducoing and seconded by Máire Morinec to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Máire Morinec to approve action on the course. The motion carried unanimously.

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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Máire Morinec and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Teri Yumae to approve action on the course.

Christine Ducoing noted that the Course Advisory should be: “Eligibility for ENGL 001.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 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.

It was moved by Lynn Denham-Martin and seconded by Joe Conrad to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course.

Mary Mazzocco inquired about why ENGL 001 is strongly recommended. Christine Ducoing explained that it is because of the writing in the lab notebooks.

The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the revalidation.

Christine Ducoing noted that the Course Advisory should be: “ENGL 001 is strongly recommended.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the revalidation.

Christine Ducoing noted that the Revalidation Form advisory should state: “Eligibility for ENGL 001.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Joe Conrad and seconded by Luis Vazquez to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lexi Parmer and seconded by Mary Mazzocco to approve action on the revalidation.

Christine Ducoing noted that the Course Advisory and the Revalidation Form advisory should state: “Eligibility for ENGL 001.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Máire Morinec to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the prerequisite.

Christine Ducoing noted that the Course Advisory should state: “Eligibility for ENGL 001.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 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.

It was moved by Joe Conrad and seconded by Máire Morinec to approve action on the revalidation.

Christine Ducoing noted that the Revalidation Form advisory should state: “Eligibility for ENGL 001.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 3) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Joe Conrad and seconded by Marianne Flatland to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Lexi Parmer to approve action on the course. The motion carried unanimously.

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.

It was moved by Joe Conrad and seconded by Lynn Denham-Martin to approve action on the revalidation.

Christine Ducoing noted that Section 7b, Prerequisite, should state: “PHYS 007 with a grade of “C” or better”. The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Lexi Parmer and seconded by Christine Ducoing to approve action on the course. The motion carried unanimously.

- b. (CP-10-35) ENGR 030 – Engineering Mechanics: Statics – Change in units and textbook.
 - 1) Action on revalidation; prerequisite = MATH 021, PHYS 006.

It was moved by Joe Conrad and seconded by Lexi Parmer to approve action on the revalidation.

Christine Ducoing noted that the Course Advisory should be: “Eligibility for ENGL 001.” The committee agreed.

Christine Ducoing noted that Section 7b, Prerequisite, should be: “MATH 021, PHYS 006 with a grade of “C” or better.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

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.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the course.

Christine Ducoing noted that there is not a writing assignment for this course. The committee recommends that the course has a writing assignment due to the fact that this is a transferrable course to UC and CSU.

Robin Arie-Donch recommended that the course incorporate critical thinking into Section 10, Student Performance Objectives. The committee agreed.

The committee agreed to table the action on the 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.

It was moved by Lynn Denham-Martin and seconded by Joe Conrad to approve action on the revalidation.

Christine Ducoing noted that Section 7b, Prerequisite and the Revalidation Form should have the prerequisite listed as: "GEOG 010 or GEOL 010 with a grade of "C" or better." The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course.

Marianne Flatland recommended that the last sentence in Section 9a, be removed; "Course may be offered as a hybrid or online." The committee agreed with the recommendation.

The motion carried unanimously with agreed upon change.

- c. (CP-10-38) GEOG 061 – Introduction to Global Positioning Systems – Change in method of instruction and catalog description.
 - 1) Action on course.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on the course.

Christine Ducoing recommended that the last sentence in Section 9a, be removed; "Course may be offered as a hybrid." The committee agreed with the recommendation.

The motion carried unanimously with agreed upon change.

- 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.

It was moved by Joe Conrad and seconded by Lynn Denham-Martin to approve action on the revalidation.

Christine Ducoing noted that Section 7b, Prerequisite and the Revalidation Form should have the prerequisite listed as: "GEOG 061 with a grade of "C" or better." The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Joe Conrad and seconded by Christine Ducoing to approve action on the course.

Marianne Flatland recommended that the last sentence in Section 9a, be removed; "Course may be offered as a hybrid course." The committee agreed with the recommendation.

The motion carried unanimously with agreed upon change.

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.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Joe Conrad to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Máire Morinec to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Máire Morinec to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Laura Maghoney to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Joe Conrad and seconded by Máire Morinec to approve action on the revalidation.

Christine Ducoing asked about the Math Lab listed as category 2. Pei-Lin Van’t Hul noted that it should be category 3 and that the Curriculum Office will make the change to all of the MATH courses.

The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Joe Conrad to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Máire Morinec and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the course.

Erin Farmer noted that the CAN number listed under Section 9b, needs to be deleted. CAN numbers are no longer used.

The motion carried unanimously with agreed upon change.

- 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.

It was moved by Lexi Parmer and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on the course.

Máire Morinec noted that the CAN number listed under Section 9b, needs to be deleted. CAN numbers are no longer used.

The motion carried unanimously with agreed upon change.

- 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.

It was moved by Joe Conrad and seconded by Christine Ducoing to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Joe Conrad and seconded by Christine Ducoing to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Luis Vazquez and seconded by Christine Ducoing to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the revalidation.

Teri Yumae noted that the prerequisites states; “Equivalent courses may be substituted for the prerequisite courses.” Joe Conrad recommended that the sentence be removed. The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Máire Morinec to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Laura Maghoney to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lynn Denham-Martin and seconded by Máire Morinec to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the revalidation.

Pei-Lin shared with the committee the difficulty of inputting 3 units of BUS 181 into banner. Pei-Lin will check on how this may be resolved.

The motion carried unanimously.

- 2) Action on course.

It was moved by Lexi Parmer and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Christine Ducoing to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Máire Morinec to approve action on the course. The motion carried unanimously.

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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course.

Christine Ducoing recommended that the last sentence in Section 9a, be removed; “Course may be offered as a hybrid.” The committee agreed with the recommendation.

The motion carried unanimously with agreed upon change.

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.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lexi Parmer and seconded by Christine Ducoing to approve action on the revalidation. The motion carried unanimously.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Máire Morinec to approve action on the course. The motion carried unanimously.

- 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).

It was moved by Lynn Denham-Martin and seconded by Máire Morinec to approve action on the revalidation.

Christine Ducoing noted that Section 7c, Course Advisory and the Revalidation Form should have the advisory listed as: “Eligibility for ENGL 001. High School Physics, or PHYS 2 with a grade of “C” or better.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Joe Conrad to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Joe Conrad and seconded by Máire Morinec to approve action on the revalidation.

Christine Ducoing noted that the Course Advisory should be: “Eligibility for ENGL 001.” The committee agreed.

The motion carried unanimously with agreed upon change.

- 2) Action on course.

It was moved by Lynn Denham-Martin and seconded by Lexi Parmer to approve action on the course. The motion carried unanimously.

- 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.

It was moved by Lexi Parmer and seconded by Marianne Flatland to approve action on the revalidation. The motion carried unanimously.

It was moved by Mary Mazzocco and seconded by Máire Morinec to amend the Agenda to add “Action on course” to PHYS 008. The motion carried unanimously.

Erin Farmer noted that in the Curriculum Handbook, the Committee loosely bases the meetings on Roberts Rules, but it is not stated that the committee follows Roberts Rules to the letter of the law because of how fast the committee has to run through the volume of material.

- 2) Action on course.

It was moved by Christine Ducoing and seconded by Marianne Flatland to approve action on the course.

Pei-Lin Van’t Hul noted that in Section 9a, Catalog Description, the course numbers should be as follows:

- First paragraph, first sentence; “The Physics 006, 007, 008 sequence...”
- Second paragraph, first sentence; “A continuation of PHYS 006 and PHYS 007...”

The committee agreed with the noted change.

The motion carried unanimously with recommended change.

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

It was moved by Christine Ducoing and seconded by Lynn Denham-Martin to group the Curriculum Verification Forms together as one motion. The motion carried unanimously.

It was moved by Lynn Denham-Martin and seconded by Máire Morinec to approve action on the Curriculum Review Verification Forms.

The committee agreed to table the Astronomy Curriculum Review Verification Form due to the fact that there were two Astronomy courses tabled.

The motion to approve all the forms except Astronomy carried unanimously.

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.

It was moved by Marianne Flatland and seconded by Lynn Denham-Martin to approve action on the revalidation. The motion carried unanimously.

- b. (CP-10-72) CHEM 097 – Special Projects – Revalidate prerequisite of: CHEM 002 with a grade of “C” or better.

It was moved by Lexi Parmer and seconded by Laura Maghoney to approve action on the revalidation. The motion carried unanimously.

- c. (CP-10-73) MATH 018 – Exploring Math and Science Teaching – Revalidate prerequisite of: MATH 104.

It was moved by Lexi Parmer and seconded by Lynn Denham-Martin to approve action on the revalidation.

Robin Arie-Donch recommended that Section 7b, Prerequisite, state: “MATH 104 with a grade of “C” or better.” The committee agreed with the recommendation.

The motion carried unanimously with agreed upon changes.

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)

It was moved by Mary Mazzocco and seconded by Lynn Denham-Martin to approve action on all the course deletions as one motion. The motion carried unanimously.

REPORT FROM THE CHAIR - None

REPORT FROM THE VICE PRESIDENT OF ACADEMIC AFFAIRS - None

REPORT FROM THE ARTICULATION OFFICER

Robin Arie-Donch brought forward to the committee the action item for the Graduation Requirements, Area D. She gave two handouts in reference to the action item and the proposed change to the Graduation Requirement.

What is being recommended is that the paragraph about taking a test in lieu of elementary algebra to meet graduation requirements and the listing of courses (slightly modified) that can be used to make up the minimum 21 unit general education requirement be placed in an additional area, D4, for Solano College General Education Graduation Requirements with language clarifying that the courses does not fulfill the GE area requirements.

It was moved by Mary Mazzocco and seconded by Christine Ducoing to add an action item to amend the Graduation Requirements, Area D.

It was moved by Christine Ducoing and seconded by Lexi Parmer to approve action on amendment to Graduation Requirements, Area D.

The motion carried unanimously.

OTHER

The committee noticed that whenever there is a prerequisite or corequisite for a course, the statement; “with a “C” or better” should be added.

Máire Morinec asked about using an e-pack that goes with an online course. The instructor has augmented the e-pack, and it is a requirement of the student to purchase the augmented e-pack. Another instructor thinks that it is marginally illegal; you cannot require the students to purchase these types of online resources. Máire would like to know whether or not it is legal.

Erin Farmer shared that in Title 5 it states: “any other materials that a student must procure or possess as a necessary condition of enrollment or entry into a class. The district can, under certain circumstances, charge students for instructional materials fees for access to instructional materials in electronic form.” “Electronic media may be considered instructional material so long as the student may have the ability to use the materials after the class in a manner comparable to the students’ ability to use the material during the class. This expansion of the definition of tangible personal property has significant impact on the district’s ability to charge students for license fees or for access codes to electronic media. If students are to be charged for electronic media, the tangible personal property should have the continuing educational value to the students. The equivalent to a textbook, study guide, solutions manual, or test bank that students have access to beyond the class session for which the instructional materials were purchased. Additionally, the text, lessons, and problem materials should be readily printable to hard copy to serve as a permanent record should the student desire to retain a copy of the instructional materials. If the student can print, and/or save materials accessed, that are of continuing educational value, charging students for access codes is permissible. On the other hand, it is not permissible to charge students for internet access or access to a research data base.”

Erin Farmer noted that ACCJC guidelines require that the Curriculum Committee to review course materials that are packaged from a vendor. This is a process that the committee has not done; it is considered an entire curriculum.

Máire noted that the course is also offered in a face-to-face teaching environment and the additional charge for the e-pack would not necessarily occur for that type of course. If this is the consideration of limiting access, then this wouldn’t be an issue.

The other issue, Máire noted is that when first teaching online, the course could not be a “canned” course (a course directly from the publisher uploaded to online). E-pack is more along the lines of a “canned” course except that the instructor has in fact enhanced it and made it her own, but there is an additional charge for it. And, it is actually a better course, based on peer review, than then the instructor developed course. Máire asked whether or not this is legal.

Erin Farmer will write to the Academic Affairs division of the Chancellor’s Office with the hypothetical question. Erin asked Máire to please help write up the question to the Chancellor’s Office and forward to her. The committee noted that it is not just this one course in discussion, but that there are other courses that the College offers that are doing the exact same thing.

OPEN DISCUSSION

ADJOURNMENT

There being no further business to come before the committee, it was moved by Luis Vazquez and seconded by Lynn Denham-Martin to adjourn at 3:50 p.m., to meet again April 13, 2010 at 1:30 p.m.

CCMinutes 3/23/10:km