

Solano Community College

Academic Senate CURRICULUM COMMITTEE

MINUTES

Tuesday, April 27, 2004
1:30 p.m., Board Room

ROLL CALL

The Curriculum Committee members and guests present introduced themselves to each other.

Present: Robin Arie-Donch, Chair; Debbie Berrett, Erin Farmer, Ruth Fuller, John Glidden; Bob Myers, Brad Paschal, Kathy Rosengren, Robin Sytsma, Ann Willer, and Donna Vessels

Excused: Floyd Burnsed, Kathryn Campbell, Ed.D., Cynthia Guggemos, and Jean Reyes

Guests: Jean Baxter, Amy Gaylor, Dorothy Hawkes, Jim Ignatieff; Jane Berger, Mostafa Ghous, Deni Harding, Roy Pike, and Dave Nourot

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.

It was moved by Bob Myers and seconded by Debbie Berrett to approve the agenda as presented.

CONSENT ITEMS - (None)

APPROVAL OF MINUTES

It was moved by Kathy Rosengren and seconded by Bob Myers to approve the minutes of March 23, 2004, as presented.

The motion carried unanimously.

Because of the length of the agenda and time constraints, there was no objection from the committee for one motion to be made to cover action on the advisories or prerequisites and action on the course. Chair Arie-Donch asked if there was a problem or issue with any particular course for the committee to please speak up at that time; otherwise the minutes will reflect two motions from the same individuals, unless noted otherwise.

NEW COURSES

- a. (CP-04-107) COUN 148B – Math, Engineering and Science Achievement (MESA) Enrichment
- 1) Action on advisories: SCC minimum English and math standards.
 - 2) Action on course.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on the course.

The motion carried unanimously.

- b. (CP-04-108) FIRE 148AA – Emergency Response to Terrorism
- 1) Action on advisory: Eligibility for ENGL 1.
 - 2) Action on course.

It was moved by Erin Farmer and seconded by Bob Myers to approve the advisories as presented.

The motion carried unanimously.

It was moved by Erin Farmer and seconded by Bob Myers to approve action on the course.

The motion carried unanimously.

c. (CP-04-120) IR 1 – Global Interdependence

- 1) Action on advisories: POLSC 1, ENGL 62 and SCC minimum English standard.
- 2) Action on course.

It was moved by Bob Myers and seconded by Brad Paschal to approve the advisories as presented.

It was agreed to change the prerequisite from none to **ENGL 1**.

It was agreed to delete and attendance from 11.3. under 11. Methods of Evaluating Student Achievement: Class participation including discussion ~~and attendance~~.

The committee agreed this class would lend itself well to becoming a learning communities class.

The motion carried unanimously with the noted changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on the course.

The motion carried unanimously.

d. (CP-04-109) PE 148A – Beginning Road Bicycling

- 1) Action on advisories: SCC minimum English and math standards.
- 2) Action on course.

It was moved by Bob Myers and seconded by Debbie Berrett to approve the advisories as presented.

It was noted that Amazon.com is the publisher of the noted textbooks. Bello Press is the publisher of *Cyclists Training Bible*, 3rd Edition. Dean Myers will get the names of the publishers of the other two books and send the information to Donna Vessels.

The noted spelling errors will be sent to Donna Vessels for correction.

The motion carried unanimously with the noted changes.

It was moved by Bob Myers and seconded by Debbie Berrett to approve action on the course.

The motion carried unanimously.

COURSE MODIFICATIONS

a. (CP-04-111) ESL 6 – ESL Composition Skills – Change the prerequisites, course advisories and textbooks.

- 1) Action on prerequisites/advisories
- 2) Action on other change.

b. (CP-04-112) ESL 55 – Advanced ESL Reading – Change the prerequisites and textbooks.

- 1) Action on prerequisites.
- 2) Action on other change.

c. (CP-04-113) ESL 77 – Conversation/Pronunciation Skills – Change the prerequisites, course advisory and textbooks.

- 1) Action on prerequisites/course advisory.
- 2) Action on other change.

d. (CP-04-114) ESL 78 – Intermediate ESL Reading – Change the prerequisites, course advisory and textbooks.

- 1) Action on prerequisites/course advisory.
- 2) Action on other change.

- e. (CP-04-115) ESL 79 – Intermediate Sentence Structure: Spoken English – Change the prerequisites, course advisory and textbooks.
 - 1) Action on prerequisites/course advisory.
 - 2) Action on other change.
- f. (CP-04-116) ESL 87 – Advanced Sentence Structure: Written English – Change the prerequisites and textbooks.
 - 1) Action on prerequisites.
 - 2) Action on other change.
- g. (CP-04-117) ESL 372 – Fundamentals of ESL Reading – Change the course advisories and textbooks.
 - 1) Action on course advisories.
 - 2) Action on other change.
- h. (CP-04-118) ESL 373 – ESL Basic Oral Communication Skills – Change the course advisories and textbooks.
 - 1) Action on course advisories.
 - 2) Action on other change.
- i. (CP-04-119) ESL 374 – ESL Basic Grammar A – Change the course advisories and textbooks.
 - 1) Action on course advisories.
 - 2) Action on other change.

It was moved by Bob Myers and seconded by Debbie Berrett to approve all of the noted course modification proposals for the ESL classes as presented.

It was noted the impetus for all of these changes is because when the assessment exams are changed from having specific score levels that go with one exam they don't translate to the next exam. The effort was made to make them translatable. Also, the courses are now sequential within and across disciplines.

It was noted that the textbook *Issues for Today*, 3rd Edition, is missing the date in the ESL 78 course. Dean Rosengren will get the date to Donna Vessels.

The motion carried with the noted change.

It was moved by Bob Myers and seconded by Debbie Berrett to approval action on other changes for all of the noted course modification proposals for the ESL classes.

The motion carried unanimously.

- j. (CP-04-110) WELD 148A – Carpentry Apprentice Welding – Change the course number to WELD 112 and change the textbooks.

It was moved by Bob Myers and seconded by Debbie Berrett to approve the course modification proposal as presented.

The motion carried unanimously.

PROGRAM MAJOR MODIFICATIONS

- a. (CP-04-106) International Relations – Add IR 1 to required courses which increases the units for the major from 28 to 31. #Contingent upon approval of 5c above.

It was moved by Bob Myers and seconded by Debbie Berrett to approve the program major modifications as presented.

The motion carried unanimously.

- b. (CP-04-105) Political Science – Removed 8 courses and added IR 1 to the list of electives. The total units for the major remain the same. #Contingent upon approval of 5c above.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the program major modifications as presented.

The motion carried unanimously.

Recorded by Judy Spencer

MATH & SCIENCE DIVISION CURRICULUM REVIEW (part 2 of 2)

Chair Arie-Donch complimented the Math/Science Division on their curriculum review. They did an excellent job.

- a. (CP-04-36) Anthropology Curriculum Review Verification Form
- b. (CP-04-56) Biology Curriculum Review Verification Form
- c. (CP-04-45) Chemistry Curriculum Review Verification Form
- d. ((CP-04-38) Geology Curriculum Review Verification Form
- e. (CP-04-78) Mathematics Curriculum Review Verification Form
- f. (CP-04-71) Physics Curriculum Review Verification Form
- g. CP-04-44) Science Curriculum Review Verification Form

It was moved by Bob Myers and seconded by Brad Paschal to approve the verification forms as presented.

The motion carried unanimously.

Course Modifications

- h. (CP-04-57) BIOSC 1–Principles of Organismal Biology – Change the prerequisites, course advisory, catalog description, writing assignments, content outline and textbooks.
 - 1) Action on advisory: Eligibility for ENGL 1.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve the course advisories as presented.

It was noted there were no dates attached to the textbooks. Brad Pascal will send this information to Donna Vessels.

There was discussion relative to moving the course to an online/hybrid course. Brad Paschal advised it was considered.

The motion carried unanimously with the noted change.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

- i. (CP-04-58) BIOSC 2 –Principles of Cell and Molecular Biology – Change the course advisory, catalog description, content outline and textbooks.
 - 1) Action/revalidate advisory/prerequisite: Advisory = Eligibility for ENGL 1. Prerequisite = CHEM 1.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation of the advisories/prerequisites as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

- j. (CP-04-59) BIOSC 5–Introductory Physiology – Change the prerequisites, course advisories, catalog description, methods of evaluation, content outline and textbooks.
 - 1) Action/Revalidate prerequisites/advisories: Prerequisites = A grade of “C” or better in CHEM 1 or CHEM 10. Advisories = BIOSC 6; SCC minimum English and math standards.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation of the prerequisites/advisories as.

It was noted there were no dates attached to two textbooks. Brad Paschal will follow up and get the information to Donna Vessels. He stated that the reference “any” refers to many editions.

Recorded by Judy Spencer

There was a question raised if eligibility for ENGL 1 should be added since there are short essays associated with the course. Brad Paschal will take the inquiry to the author and report back if necessary.

The motion carried unanimously with the noted changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

- k. (CP-04-60) BIOSC 6–Human Anatomy – Change the catalog description, content outline, writing & other assignments, and textbooks.
 - 1) Action on advisory: SCC minimum English and math standards.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Debbie Berrett to approve action on the advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Debbie Berrett to approve action on other changes.

The motion carried unanimously.

- l. (CP-04-63) BIOSC 14–Principles of Microbiology – Change the content outline and textbooks.
 - 1) Revalidate prerequisite/advisory: Prerequisite = CHEM 10. Advisory= SCC minimum English standard.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve the revalidation and prerequisite/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

- m. (CP-04-64) BIOSC 15–Introduction to Biology – Change the catalog description, student performance objectives, methods of evaluation, reading and writing assignments, content outline and textbooks.
 - 1) Action on advisories: Eligibility for English 1; SCC minimum math standard.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve the advisories as presented.

It was noted there are three textbooks without dates attached to them. Brad Paschal will get the information to Donna Vessels.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

- n. (CP-04-65) BIOSC 16–Introduction to Human Biology – Change the method of instruction, catalog description, methods of evaluation, student performance objectives, content outline and textbooks.
 - 1) Action on advisories: SCC minimum English and math standards.
 - 2) Action on other changes

It was moved by Bob Myers and seconded by Brad Paschal to approve the advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

- o. (CP-04-46) CHEM 1–General Chemistry – Change the course advisory, catalog description, student performance objectives, writing assignments, content outline and textbooks.
- 1) Action/Revalidate prerequisites/advisories: 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: CHEM 160 with a grade of “C” or better OR one year of high school chemistry with a grade of “C” or better. Advisory = SCC minimum English standard; CHEM 10 is strongly recommended.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation and prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

- p. (CP-04-47) CHEM 2–General Chemistry – Change the student performance objectives, methods of evaluation, reading and writing assignments, content outline and textbooks.
- 1) Revalidate prerequisite: CHEM 1 with a grade of “C” or better.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by John Glidden to approve the revalidation of prerequisites as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by John Glidden to approve action on other changes.

The motion carried unanimously.

- q. (CP-04-48) CHEM 3–Organic Chemistry I – Change the catalog description, content outline and textbooks.
- 1) Revalidate prerequisite/advisory: Prerequisite = CHEM 2 with a grade of “C” or better. Advisory = ENGL 1 is strongly recommended.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Debbie Berrett to approve the revalidation of prerequisite/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Debbie Berrett to approve action on other changes.

The motion carried unanimously.

- r. (CP-04-49) CHEM 4– Organic Chemistry II – Change the catalog description, content outline and textbooks.
- 1) Revalidate prerequisite: CHEM 3 with a grade of “C” or better.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by John Glidden to approve revalidation of prerequisites as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by John Glidden to approve action on other changes.

The motion carried unanimously.

s. (CP-04-51) CHEM 10–Intermediate Chemistry – Change the method of instruction, catalog description, content outline and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisite = A grade of “C” or better in MATH 104 or two years of high school algebra AND CHEM 160 with a grade of “C” or better or two semesters of high school chemistry. Advisory = SCC minimum English standard
- 2) Action on other changes. .

It was moved by Bob Myers and seconded by Brad Paschal to approve the revalidation of prerequisites/advisories as presented.

It was agreed to add **nursing program** in 9.a. as follows. Catalog Description: A general chemistry course often required for **nursing program** students transferring to four-year college nursing programs and for students majoring in physical therapy, occupational therapy, industrial technology and home economics

The motion carried unanimously with the noted change.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

t. (CP-04-52) CHEM 11–Basic Organic Chemistry and Biochemistry – Change the catalog description, student performance objectives, methods of evaluation, writing assignments, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in CHEM 10 or CHEM 1. Advisory= SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

u. (CP-04-55) CHEM 160–Introductory Chemistry – Change the method of instruction, catalog description, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in MATH 104 or two years of high school algebra. Advisory= SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Brad paschal to approve action on other changes.

The motion carried unanimously.

v. (CP-04-40) GEOL 3–Earth and Life Through Time – Change the method of instruction, catalog description and textbooks.

- 1) Action on advisories: Eligibility for ENGL 1; GEOL 1 or GEOL 5; SCC minimum math standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the advisories as presented.

There was a question about how field trips are done by arrangement online. Brad Paschal will make the inquiry on the method to be used and report back to the committee at a future date.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

w. (CP-04-41) GEOL 4–Earth and Life Through Time Laboratory – Change the method of instruction, catalog description and textbooks.

- 1) Revalidate prerequisite/advisories: Prerequisite = GEOL 3 (may be taken concurrently); Advisories = SCC minimum English and math standards; GEOL 1 and GEOL 2.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the prerequisites/advisories as presented.

The motion carried unanimously

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

x. (CP-04-42) GEOL 5–Geology of California – Change the method of instruction, catalog description and textbooks.

- 1) Action on advisories: Eligibility for ENGL 1; SCC minimum math standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Debbie Berrett to approve the advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Debbie Berrett to approve action on other changes.

The motion carried unanimously.

y. (CP-04-80) MATH 2–Algebra for Calculus (College Algebra) – Change the content outline and textbooks.

- 1) Revalidate prerequisite/advisories: Prerequisite = A grade of “C” or better in MATH 104. Advisories = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Erin Farmer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Erin Farmer to approve action on other changes.

The motion carried unanimously.

z. (CP-04-81) MATH 4–Precalculus Mathematics – Change the content outline and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisites = A grade of “C” or better in MATH 103 and MATH 104. Advisories = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

aa. (CP-04-82) MATH 11–Elementary Statistics – Change the catalog description, content outline and textbooks.

- 1) Revalidate prerequisite/advisories: Prerequisite = A grade of "C" or better in MATH 104. Advisories = Eligibility for ENGL 1.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Erin Farmer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Erin Farmer to approve action on other changes.

The motion carried unanimously.

bb. (CP-04-83) MATH 12–Mathematical Ideas – Change the catalog description, student performance objectives, methods of evaluation, writing and other assignments and textbooks.

- 1) Revalidate prerequisite/advisories: Prerequisite = A grade of "C" or better in MATH 104. Advisories = SCC minimum English standard.
- 2) Action on other changes. .

It was moved by John Glidden and seconded by Bob Myers to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by John Glidden and seconded by Bob Myers to approve action on other changes.

The motion carried unanimously.

cc. (CP-04-84) MATH 15–Finite Mathematics – Change the content outline and textbooks.

- 1) Revalidate prerequisite/advisories: Prerequisite = A grade of "C" or better in MATH 104. Advisories = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

dd. (CP-04-85) MATH 20–Analytic Geometry and Calculus I – Change the catalog description, student performance objectives, methods of evaluation, writing and other assignments, content outline and textbooks.

- 1) Revalidate prerequisite/advisories: Prerequisite = Grades of "C" or better in MATH 2 and MATH 51, or MATH 4. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Brad Paschal to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Brad Paschal to approve action on other changes.

The motion carried unanimously.

ee. (CP-04-86) MATH 21–Analytic Geometry and Calculus II – Change the catalog description, student performance objectives, methods of evaluation, reading/writing/other assignments, content outline and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisites = A grade of "C" or better in MATH 20 or MATH 29. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Robin Sytsma to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Robin Sytsma to approve action on other changes.

The motion carried unanimously.

ff. (CP-04-87) MATH 22–Analytic Geometry and Calculus III – Change the catalog description, student performance objectives, reading/writing/other assignments and content outline.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of "C" or better in MATH 21. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Erin Farmer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Erin Farmer to approve action on other changes.

The motion carried unanimously.

gg. (CP-04-88) MATH 23–Differential Equations – Change the catalog description, methods of evaluation, writing assignments, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of "C" or better in MATH 21. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

There was discussion of the number of units versus the number of lecture hours. Dorothy Hawkes reported that this formula matches up with the transfer units at U.C.'s for this particular course. When students transfer, they won't lose credit.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

hh. (CP-04-91) MATH 30– Analytic Geometry and Calculus – Change student performance objectives, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of "C" or better in MATH 104. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

- ii. (CP-04-93) MATH 40–Introduction to Linear Algebra – Change the catalog description, student performance objectives, methods of evaluation, other assignments, content outline and textbooks.
 - 1) Revalidate prerequisites/advisory: Prerequisites = A grade of “C” or better in MATH 20 or MATH 30. Advisory = SCC minimum English standard.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Robin Sytsma to approve the revalidation of prerequisites/advisories as presented.

It was agreed under 12.a. Required Reading Assignments to add ***XX-XX of pages per week from a standard college-level textbook*** as opposed to standard college-level textbook. This will be consistent with other Math courses. Brad Paschal will get the specific number of pages to Donna Vessels.

The typographical error in 14.b. will be corrected, i.e. ***applications***.

The motion carried unanimously with the noted change.

It was moved by Bob Myers and seconded by Robin Sytsma to approve action on other changes.

The motion carried unanimously.

- jj. (CP-04-94) MATH 51–Trigonometry – Change the content outline and textbooks.
 - 1) Revalidate prerequisites/advisory: Prerequisites = A grade of “C” or better in MATH 103 and MATH 104. Advisory = SCC minimum English standard.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve action on other changes.

The motion carried unanimously.

- kk. (CP-04-95) MATH 60–Introduction to the Use of Technology in Mathematics – Change the course length, total weekly hours, method of instruction, catalog description, content outline and textbooks.

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the course modifications as presented.

There was discussion on the course content outline. It was agreed to expand the outline. Brad Paschal will send the information to Donna Vessels.

The motion carried unanimously with the noted change.

- ll. (CP-04-97) MATH 102–Elementary Algebra – Change the units, method of instruction, content outline and textbooks.
 - 1) Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in MATH 320. Advisory = SCC minimum English standard.
 - 2) Action on other changes.

It was moved by Bob Myers and seconded by Erin Farmer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Erin Farmer to approve action on other changes.

The motion carried unanimously.

- mm. (CP-04-98) MATH 103–Plane Geometry – Change the total weekly hours, catalog description, student performance objectives, content outline and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisites = A grade of "C" or better in MATH 102 or MATH 108. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

nn. (CP-04-99) MATH 104–Intermediate Algebra – Change the method of instruction, student performance objectives, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of "C" or better in MATH 102 or MATH 108. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Brad Paschal and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Brad Paschal and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

oo. (CP-04-100) MATH 107–Elementary Algebra Part I – Change the units, method of instruction, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of "C" or better in MATH 320. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Ann Willer and seconded by Bob Myers to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Ann Willer and seconded by Bob Myers to approve action on other changes.

The motion carried unanimously.

pp. (CP-04-101) MATH 108– Elementary Algebra Part II – Change the units, method of instruction, student performance objectives, content outline and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = A grade of "C" or better in MATH 107. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

qq. (CP-04-102) MATH 304–Arithmetic (Self-Paced) – Change the method of instruction, content outline and other catalog information.

- 1) Action on Advisory: SCC minimum English standard.
- 2) Action on other changes.

It was moved by Ann Willer and seconded by Bob Myers to approve action on the advisories as presented.

The motion carried unanimously.

It was moved by Ann Willer and seconded by Bob Myers to approve action on other changes.

The motion carried unanimously.

rr. (CP-04-103) MATH 310–Arithmetic (Lecture) – Change the catalog description, other catalog information, methods of evaluation and content outline.

- 1) Action on Advisory: SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by John Glidden to approve action on the advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by John Glidden to approve action on other changes.

The motion carried unanimously.

ss. (CP-04-104) MATH 320–Pre-Algebra – Change the method of instruction.

- 1) Revalidate prerequisites/advisory: Prerequisites = 3 units of credit in MATH 304 or a grade of “C” or better in MATH 310 or 3 units of BUS 181. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Ann Willer and seconded by Bob Myers to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Ann Willer and seconded by Bob Myers to approve action on other changes.

The motion carried unanimously.

tt. (CP-04-72) PHYS 2–General Physics (Non-Calculus) – Change the catalog description and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisites = MATH 51 or MATH 4. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

It was agreed to add to 7.b. Prerequisites: ... **a grade of “C” or better.**

The motion carried unanimously with the noted change.

It was moved by Bob Myers and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

uu. (CP-04-73) PHYS 4–General Physics (Non-Calculus) – Change the catalog description and textbooks.

- 1) Revalidate prerequisite/advisory: Prerequisite = PHYS 2. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Ann Willer and seconded by Bob Myers to approve the revalidation of prerequisites/advisories as presented.

It was agreed to add to 7.b. Prerequisites: ... **a grade of “C” or better.**

The motion carried unanimously with the noted change.

It was moved by Ann Willer and seconded by Bob Myers to approve action on other changes.

The motion carried unanimously.

vv. (CP-04-74) PHYS 6–Physics for Science and Engineering – Change the prerequisites, course advisories, catalog description and textbooks.

- 1) Action/Revalidation prerequisites/advisory: Prerequisites = MATH 21 (may be taken concurrently); High School Physics or PHYS 2. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Ann Willer and seconded by Bob Myers to approve the revalidation of prerequisites/advisories as presented.

It was agreed to add to 7.b. Prerequisites: ... **a grade of “C” or better.**

The motion carried unanimously with the noted change.

It was moved by Ann Willer and seconded by Bob Myers to approve action on other changes.

The motion carried unanimously.

ww. (CP-04-75) PHYS 7– Physics for Science and Engineering – Change the catalog description and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisites = A grade of “C” or better in both PHYS 6 and MATH 21. Advisory = SCC minimum English standard.
- 2) Action on other changes. .

It was moved by Bob Myers and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Bob Myers and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

xx. (CP-04-76) PHYS 8– Physics for Science and Engineering – Change the catalog description and textbooks.

- 1) Revalidate prerequisites/advisory: Prerequisites = A grade of “C” or better in both PHYS 6 and MATH 21. Advisory = SCC minimum English standard.
- 2) Action on other changes.

It was moved by Debbie Berrett and seconded by Ann Willer to approve the revalidation of prerequisites/advisories as presented.

The motion carried unanimously.

It was moved by Debbie Berrett and seconded by Ann Willer to approve action on other changes.

The motion carried unanimously.

yy. (CP-04-77) PHYS 10– Descriptive Physics – Change the units, weekly hours, method of instruction, catalog description, methods of evaluation and student performance objectives.

- 1) Action on advisories: MATH 102 or MATH 108; SCC minimum English standard.
- 2) Action on other changes.

It was moved by Bob Myers and seconded by Robin Sytsma to approve action on advisories as presented.

It was agreed to remove the language on laboratory from the course outline: V. Other topics pertinent to the study of physics.

~~Laboratory: In the laboratory portion of this course, students will perform approximately 15 experiments related to the topics covered in the lecture. The student will be required to maintain a written record of their lab work in which they will describe the experiments done and perform critical analyses of the results. These shall include calculations of the experimental uncertainties and analyses of what conclusions may or may not be inferred from their data.~~

It was agreed to remove laboratory reports from 12.b. Required Writing Assignments: 20 to 30 homework questions per week; laboratory reports.

It was noted that the textbook needs a date. This information will be forwarded to Donna Vessels.

The motion carried unanimously with the noted changes.

It was moved by Bob Myers and seconded by Robin Sytsma to approve action on other changes.

The motion carried unanimously.

Course Deletions

- zz. (CP-04-68) BIOSC 98A – Biology by the Bay
- aaa. (CP-04-69) BIOSC 98B – Coastal Redwoods: A Travel Class
- bbb. (CP-04-89) MATH 28 – Analytic Geometry and Calculus I Part A
- ccc. (CP-04-90) MATH 29 – Analytic Geometry and Calculus I Part B
- ddd. (CP-04-79) MATH 98A – Statistics Peer Tutor Training

It was moved by Bob Myers and seconded by Kathy Rosengren to approve the course deletions as presented.

The motion carried unanimously.

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

- eee. (CP-04-37) ANTH 49-Anthropology Honors – Revalidate prerequisite: 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 division Dean based on instructor availability.
- fff. (CP-04-61) BIOSC 10 –Anatomy and Physiology – Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in CHEM 160 or one year of high school chemistry. Advisory = SCC minimum English standard.
- ggg. (CP-04-62) BIOSC 12L-Environmental Science Laboratory – Revalidate prerequisite/advisory: Prerequisite = BIOSC 12 (may be taken concurrently). Advisory - SCC minimum math standard; eligibility for ENGL 1.
- hhh. (CP-04-66) BIOSC 47-Independent Study – Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in 12 units of credit, including 4 units from within the discipline. Advisory = Eligibility for ENGL 1.
- iii. (CP-04-67) BIOSC 49H-Biology Honors – Revalidate prerequisite/advisory: Prerequisite = Eligibility for Honors Program; BIOSC 1, BIOSC 2, BIOSC 5, BIOSC 14, or BIOSC 15 (any of these courses may be taken concurrently.) Requires approval of a faculty member sponsor and the Dean of the Math/Science Division. Advisory = Eligibility for ENGL 1.
- jjj. (CP-04-70) BIOSC 99-Biology Honors: Dissection – Revalidate prerequisite: 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 division Dean based on instructor availability.
- kkk. (CP-04-50) CHEM 5-Quantitative Analysis – Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in CHEM 2. Advisory = ENGL 1 is strongly recommended.

- III. (CP-04-53) CHEM 49H-Chemistry Honors – Revalidate prerequisite/advisory: Prerequisite = Eligibility for Honors Program; CHEM 1, CHEM 2, CHEM 3, CHEM 4, CHEM 5, CHEM 10, or CHEM 11 (any of these courses may be taken concurrently.) Requires approval of a faculty member sponsor and the Dean of the Math/Science Division. Advisory = Eligibility for ENGL 1.
- mmm. (CP-04-54) CHEM 97-Special Projects – Revalidate prerequisite: A grade of “C” or better in CHEM 2.
- nnn. (CP-04-39) GEOL 2-Geology Laboratory – Revalidate prerequisite/advisory: Prerequisite = GEOL 1 or GEOL 5 (either may be taken concurrently). Advisory = SCC minimum English and math standards.
- ooo. (CP-04-43) GEOL 49H-Geology Honors – Revalidate prerequisite/advisory: Prerequisite = Eligibility for Honors Program; GEOL 1 and 2 (either may be taken concurrently). Advisory = Eligibility for ENGL 1.
- ppp. (CP-04-92) MATH 31 – Analytic Geometry and Calculus – Revalidate prerequisite/advisory: Prerequisite = Math 30 with a grade of “C” or better. Advisory = SCC minimum English standard.

qqq. (CP-04-96) MATH 52-Calculus Prep Boot Camp – Revalidate prerequisite/advisory: Prerequisite = A grade of “C” or better in MATH 2 and MATH 51 or MATH 4. Advisory = Eligibility for ENGL 1.

It was moved by Kathy Rosengren and seconded by Bob Myers to approve the revalidation of prerequisites and/or corequisites and course advisories as presented.

The motion carried unanimously.

REPORT FROM THE CHAIR

Chair Robin Arie-Donch distributed a draft advertisement of the scheduled campus forum on whether the Mathematics requirement for graduation should be increased. The scheduled forum is Tuesday, May 11, 2004, from 2:30 – 4:30 p.m., in the Board Room (626). There was no objection from the committee to send the information campus-wide from the Chair. Chair Arie-Donch requested support from the Curriculum Committee at the campus forum in the way of attendance and note takers for the various speakers. A committee will present the responses, or a synthesis of comments as recorded, to the Academic Senate at their scheduled meeting of May 17.

The tentative committee representatives are Ted Harding, Gail Kropp and Kheck Sengmany. Ideally, Chair Arie-Donch would like a fourth volunteer, as well as student representation. Anyone interested in becoming involved with the forum or committee is asked to make contact with Robin Arie-Donch at ext. 261.

REPORT FROM THE VICE PRESIDENT

Chair Robin Arie-Donch, asked on behalf of the Vice President, for volunteers to support the Chair in the event of her absence at the May 19 Board meeting at which time the spring 2004 curriculum items will be presented. Robin explained she will be attending a meeting in San Francisco and may not be able to make it back in time for the meeting. Kathy Rosengren, Ann Willer and Debbie Berrett volunteered to be available.

OPEN DISCUSSION

Donna Vessels extended congratulations to the Math/Science Division on the wonderful job they did on their curriculum review. Donna also announced that Brenda Brown, Dr. Campbell's student worker, assisted in the compilation and copy work of the agenda. Her assistance was very much appreciated.

The committee was reminded to find a replacement for themselves if their term has expired. It was noted that Debbie Berrett, Brad Paschal and Ann Willer will return next fall.

The Fine and Applied Arts/Behavioral Sciences and Physical Education and Athletics Divisions will have their curriculum reviews next fall.

There was a question as to the role the Curriculum Committee plays in accreditation. Chair Arie-Donch will make the inquiry and report back to the committee next fall, if not before.

ADJOURNMENT

There being no further business to come before the committee, it was moved by Ann Willer and seconded by Debbie Berrett to adjourn at 2:55 p.m. There being no further business to come before the committee this semester, it was moved by Ann Willer and seconded by Debbie Berrett to cancel the next scheduled meeting of May 11, 2004. **The committee will meet again Tuesday, September 14, 2004, 1:30 p.m., in the Board Room**

CCMIN 042704

Attachment: (1)

- DRAFT – Should the Mathematics Requirement for Graduation be Increased?