SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

TO: Board of Trustees

FROM: Bruce Baron, Chancellor

REVIEWED BY: Cheryl A. Marshall, President, CHC

PREPARED BY: Rebeccah Warren-Marlatt, Interim Vice President of Student
                     Services and Instruction, CHC

DATE: July 11, 2013

SUBJECT: Consideration of Approval of Curriculum Modifications

RECOMMENDATION

It is recommended that the Board of Trustees approve the attached Curriculum Modifications.

OVERVIEW

The courses, certificates and degrees at CHC are continually being revised and updated to reflect and meet student needs.

ANALYSIS

These courses, certificates and degrees have been approved by the Curriculum Committee of the Academic Senate.

BOARD IMPERATIVE

II. Learning Centered Institution for Student Access, Retention and Success.

FINANCIAL IMPLICATIONS

None.

MODIFIED COURSES

COURSE ID	COURSE TITLE
MATH 251	Single Variable Calculus II

SCHEDULE DESCRIPTION: Methods of integration, applications of the integrals, improper integrals, conic sections, parametric equations, infinite series, and polar coordinates. If purchasing a used textbook, new software access may need to be purchased at an additional expense. Ask instructor for details.

Note: Course currently equates with MATH 251 at SBVC

Effective: FA14
Rationale: Course is being revised to match the Course Identification (C-ID) record at the state level.

COURSE ID	COURSE TITLE
MATH 252	Multivariable Calculus

SCHEDULE DESCRIPTION: Study of vectors and solid analytic geometry, functions of several variables, partial derivatives, multiple integrals, and line and surface integrals. Green's Theorem, Divergence Theorem, Stokes's Theorem. If purchasing a used textbook, new software access may need to be purchased at an additional expense. Ask instructor for details.

Note: Course currently equates with MATH 252 at SBVC

Effective: FA14
Rationale: Course is being revised to match the Course Identification (C-ID) record at the state level.

COURSE ID	COURSE TITLE
MATH 265	Linear Algebra

SEMESTER UNITS: 4
LECTURE: 4 contact hours per week
64 – 72 contact hours per semester
CATALOG DESCRIPTION: An introduction to linear algebra that complements advanced courses in calculus. Topics include systems of linear equations, matric algebra and operations, Gaussian elimination, determinants, vectors and vector spaces, inner product spaces, norms, orthogonality, linear transformations, eigenvalues and eigenvectors.
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Note: Course currently equates with MATH 265 at SBVC

Effective: FA14
Rationale: Course is being revised to match the Course Identification (C-ID) record at the state level. Units are being change to reflect the additional hours and to be consistent with San Bernardino Valley College.

COURSE ID	COURSE TITLE
MATH 266	Introduction to Ordinary Differential Equations

SEMESTER UNITS: 4
LECTURE: 4 contact hours per week
        64 – 72 contact hours per semester
CATALOG DESCRIPTION: An introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exist, and techniques for obtaining solutions, including series solutions and singular points, Laplace transforms, and linear systems. (Formerly MATH 254).
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