CHAFFEY COLLEGE
CURRICULUM COMMITTEE MEETING
RANCHO CAMPUS BEB BUILDING, CONFERENCE ROOM 204
FONTANA CAMPUS, FNAC 100
CHINO CAMPUS, CHMB 143
==**Teleconference x6759**==
AGENDA
January 30, 2019
1:30pm-3:00pm

Members Present:

Members Absent:

Guests:

1. **Call To Order/New Committee Members:**

2. **Public Comment:**

3. **Review and Approval of January 16, 2019 Expanded Summary Notes:**

4. **Discussion Items:**

   4.1. Area B4 Requirements and Other Course Possibilities:

5. **Guided Pathways:**

6. **Miscellaneous:**

7. **Consent Agenda:**

   7.1. NURVN-600: The limitation on enrollment has been removed.

8. **NEW BUSINESS:**

==**PACKAGE: ARTS MANAGEMENT**==

New Courses: First Reading

ARTMGT-10	Introduction to Arts Management	Approval:
ARTMGT-20	Introduction to Project Funding	Approval:
ARTMGT-30	Introduction to Collection Management	Approval:
ARTMGT-40	Creative Careers - Discovering Self-Directed Pathways	Approval:
ARTMGT-496AB	Arts Business Management Cooperative Education Internship	Approval:

New Programs: Final Reading

Arts Business Management	Certificate of Achievement	Approval:

PACKAGE: CHEMISTRY

New Courses: First Reading

CHEM-76A	Organic Chemistry I	Approval:
CHEM-76B	Organic Chemistry II	Approval:

Course Deactivations: Final Reading

CHEM-75A	Organic Chemistry I	Approval:
CHEM-75B	Organic Chemistry II	Approval:

Program Modifications: Final Reading

Biological Sciences	A.S.	Approval:
Chemistry	AS-T	Approval:
Nutrition and Dietetics	AS-T	Approval:
Physical Science	A.S.	Approval:

PACKAGE: INTERIOR DESIGN

New Courses: First Reading

ID-14	Fundamentals of Design for Interiors	Approval:

New Courses with DE: First Reading

ID-26	Professional Practice for Interior Designers	Approval:
ID-45	Codes and Building Systems	Approval:

Course Deactivations: Final Reading

ID-25	Interior Design Management	Approval:

Course Reactivations: First Reading

ID-15	Architectural Drafting for Interior Designers	Approval:

Course Modifications: First Reading

These modifications are a part of the package since these courses contain ID-15.

ID-21	Space Planning	Approval:
ID-427	Computer Drafting & Design for Interiors	Approval:

New Programs: Final Reading

Interior Design Visual Communication	Certificate of Achievement	Approval:

Program Modifications: Final Reading

Interior Design	A.S.	Approval:
Interior Design	Certificate of Achievement	Approval:

Course Reactivation with DE: First Reading

MATH-652	Skill Building for Math 25	Approval:		Distance Education Approval Hybrid/Online:

New Courses: First Reading

STAT-610	Skill Building for Stat 10	Approval:

Course Modifications with DE: First Reading

MATH-25	College Algebra	Approval:		Distance Education Approval Hybrid/Online:

Course Modifications: First Reading

STAT-10	Elementary Statistics	Approval:

NONPACKAGES

New Courses with DE: First Reading

SPAN-9	Cultural Awareness through Conversation	Approval:		Distance Education Approval Hybrid/Online:

New Courses: First Reading

MIC-650	Makerspace Training and Skills Building	Approval:

New Programs: First Reading

Radiologic Technology Skills Preparation	Certificate of Competency	Approval:

Course Modifications with DE: First Reading

BUSTEC-410	MS Publisher Comprehensive	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-452	Administrative Financial Bookkeeping	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-455	Fundamentals of English for Business	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-460	Proofreading: Text-Editing Skills	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-470	Office Systems and Procedures	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-60A	Microsoft Office Word - Specialist	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-60B	Microsoft Office Word - Expert	Approval:		Distance Education Approval Hybrid/Online:
BUSTEC-62	Microsoft Office Outlook	Approval:		Distance Education Approval Hybrid/Online:

BUSTECM-408	Coding of Body Systems for Medical Billing and Coding	Approval:	Distance Education Approval Hybrid/Online:
BUSTECM-410	CPT Current Procedural Terminology	Approval:	Distance Education Approval Hybrid/Online:
BUSTECM-420	Basic ICD-10-CM Coding	Approval:	Distance Education Approval Hybrid/Online:
BUSTECM-430	Intermediate Level ICD-10-CM, ICD-10-PCS Coding	Approval:	Distance Education Approval Hybrid/Online:
BUSTECM-440	Medical Billing, Reimbursement, and Compliance	Approval:	Distance Education Approval Hybrid/Online:
BUSTECM-475	Medical Office Procedures	Approval:	Distance Education Approval Hybrid/Online:
CISPROG-5	Programming with Python	Approval:	Distance Education Approval Hybrid/Online:
RE-70	Real Estate Appraisal	Approval:	Distance Education Approval Online:
RE-86	Real Estate Property Management	Approval:	Distance Education Approval Online:

Course Modifications: First Reading

ID-22	Interior Design Materials	Approval:
ID-482	Internships in Interior Design	Approval:
MATH-4	Mathematical Concepts for Elementary School Teachers	Approval:
MATH-401	Mathematics for Health Science	Approval:
MATH-420	Essentials of Intermediate Algebra	Approval:
MATH-450	Intermediate Algebra: A Critical Thinking Approach	Approval:
MATH-550	Introduction to Algebra	Approval:
MATH-60	Calculus for Business	Approval:
MATH-65A	Calculus I	Approval:
MATH-65B	Calculus II	Approval:
MATH-75	Calculus III	Approval:
NURAST-400	Nursing Assistant	Approval:
NURAST-400L	Nursing Assistant Laboratory	Approval:
NURAST-405	Nursing Assistant Skills Laboratory	Approval:
NURAST-420	Home Health Aide	Approval:
NURAST-420L	Home Health Aide Laboratory	Approval:
NURVN-403	Fundamentals of Nursing	Approval:
NURVN-405	Beginning Medical Surgical Nursing	Approval:
NURVN-407C	Advanced Nursing Skills/Clinical Simulation Laboratory	Approval:
RADTEC-51	Radiographic Clinical Education III	Approval:
SPAN-3	Intermediate Spanish I	Approval:

Program Modifications: Final Reading

Emergency Medical Provider	Certificate of Achievement	Approval:
Professional Baking and Patisserie	Certificate of Achievement	Approval:

9. **Adjournment:**

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SUMMARY NOTES
January 16, 2019
1:30pm-3:00pm

Members Present:

Angela Burk-Herrick, Mathematics & Science

Annette Henry, Kinesiology, Nutrition, & Athletics

Charmaine Phipps, Language Arts

Daniel Jacobo, Visual and Performing Arts

Elaine Martinez, Kinesiology, Nutrition, & Athletics

Helen Leung, Counseling

Jeffrey Laguna, Health Sciences

John Machado, Visual & Performing Arts

Laura Hope, Interim, Associate Superintendent of Instruction and Institutional Effectiveness

Linda Marcotte, Social & Behavioral Sciences

Megan Keebler, Instructional Support

Marlene Soto, Health Sciences

Marie Boyd, Curriculum Chair

Michael Escobosa, Health Sciences

Misty Burruel, Faculty Senate President

Rob Kopp, Mathematics & Science

RuthAnn Garcia, Transfer Center

Ryan Sipma, Catalog and Schedule Coordinator

Sean Stratton, Articulation Officer

Shireen Awad, Administrative Assistant II, Curriculum

Stephen Shelton, Vice Chair

Stephen Calebotta, Language Arts

Tracy Kocher, Business & Applied Technology

Vanessa Thomas, Business and Applied Technology, High School Articulation

Members Absent:

Kathy Lucero, Admissions and Records

Lucy Serrano, Counseling

Mark Forde, Chino Representative

Michael McClellan, Kinesiology, Nutrition, & Athletics, Guided Pathways, Success Centers

Naomi McCool, Social and Behavioral Sciences

Patricia Bopko, Financial Aid

Shelley Marcus, Library Learning Resources

Guests:
None

1. **Call To Order/New Committee Members:** The meeting was called to order at 1:31p.m. The Chair welcomed Laura Hope who is the interim Associate Superintendent of Instruction and Institutional Effectiveness.

2. **Public Comment:** The Chair asked the Curriculum Committee to determine a day to attend Brown Act Training provided by Human Resources. The Chair also shared that we need a second representative from Business and Applied Technology. Helen Leung will consult with Amy Nevarez for a possible replacement for a Counseling representative.

3. **Review and Approval of December 5, 2018 Expanded Summary Notes:** The summary notes were approved 18/0/1.

4. **Discussion Items:** None.

5. **Guided Pathways:** Angela Burk-Herrick reported that mapping is almost completed with only a few programs needing mapping. Discussions about meta-majors will begin this semester. There is ongoing discussion about faculty ownership of the maps and where these maps will be housed and updated. There were also discussion on curriculum committee oversight of these maps, the display of maps in the Catalog, and how the maps will look on the new website. More discussion will occur on meta-majors and tools for mapping this spring.

6. **Miscellaneous:**

7. **Consent Agenda:** The consent agenda was approved 20/0/0.

7.1. ENGL-675 was removed as a prerequisite for ENGL-495 as part of the AB-705 project.

7.2. Cyber Security Professional A.S. Degree

1. Placed an OR between CISNTWK 70 and CISCO 416
2. Adjusted unit total from 27.5-28.5 down to 23.5 to 24.5
3. Adjusted sequence chart for Chancellor's Office Narrative

8. OLD BUSINESS:

New Courses: Second Reading

The descriptions for these courses have been revised per the committee's request.

NURVN-601	Vocational Nursing Skills Development I	Approval: 20/0/0
NURVN-602	Vocational Nursing Skills Development II	Approval: 20/0/0
NURVN-603	Vocational Nursing Skills Development III	Approval: 20/0/0
NURVN-604	Intravenous Therapy	Approval: 20/0/0

9. NEW BUSINESS:

New Courses with DE: First and Second Reading

FIRETEC-620	Fire Inspector 1A - Duties and Administration	Approval: 20/0/0	Distance Education Approval Hybrid/Online: 20/0/0
FIRETEC-621	Fire Inspector 1B- Fire and Life Safety	Approval: 20/0/0	Distance Education Approval Hybrid/Online: 20/0/0
FIRETEC-622	Fire Inspector 1C - Field Inspection	Approval: 20/0/0	Distance Education Approval Hybrid/Online: 20/0/0
FIRETEC-623	Fire Inspector 1D - Field Inspection California Specific	Approval: 20/0/0	Distance Education Approval Hybrid/Online: 20/0/0

New Courses: First and Second Reading

RADTEC-600	Radiologic Technology Skills Development I	Approval: 20/0/0
RADTEC-610	Radiologic Technology Skills Development II	Approval: 20/0/0

Course Deactivations: Final Reading

DANCE-60B	Tap Dance IIB	Approval: 20/0/0

10. Adjournment: The meeting was adjourned 1:50p.m.

Name	ATTENDANCE	SUMMARY NOTES	CONSENT AGENDA	NURVN-601 2ND READING	NURVN-602 2ND READING	NURVN-603 2ND READING	NURVN-604 2ND READING	FIRETEC-620 1ST/2ND READING	FIRETEC-621 1ST/2ND READING	FIRETEC-622 1ST/2ND READING	FIRETEC-623 1ST/2ND READING	RADTEC-600 1ST/2ND READING	RADTEC-610 1ST/2ND READING	DANCE-60B DEACTIVATION
Angela Burk-Herrick	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Annette Henry	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Charmaine Phipps	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Daniel Jacobo	X		X	X	X	X	X	X	X	X	X	X	X	X
Elaine Martinez	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Helen Leung	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Jeffrey Laguna	X	X	X	X	X	X	X	X	X	X	X	X	X	X
John Machado	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Linda Marcotte	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lucy Serrano														
Mark Forde														
Marlene Soto	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Megan Keebler	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Michael Escobosa	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Michael McClellan														
Misty Burruel	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Naomi McCool														
Rob Kopp	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RuthAnn Garcia	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ryan Sipma	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sean Stratton	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Shelley Marcus														
Stephen Calebotta	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tracy Kocher	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vanessa Thomas	X	A	X	X	X	X	X	X	X	X	X	X	X	X
Total Counts	20	19	20	20	20	20	20	20	20	20	20	20	20	20

Non-Voting	
Kathy Lucero	
Laura Hope	X
Marie Boyd	X
Patricia Bopko	
Sharon Awad	X
Stephen Shelton	X

From Guiding Notes for Course Reviewers, October 2018:

CSU GE Breadth Subarea B4 Mathematics/Quantitative Reasoning (QR)
Courses submitted for CSU GE Breadth Subarea B4 approval shall ask students to:

•interpret and communicate quantitative information and mathematical and
statistical concepts using language appropriate to the context and intended audience;

•make sense of problems, develop strategies to find solutions, and persevere in solving them;

•reason, model, draw conclusions, and make decisions with quantitative information about problems
 arising in everyday life, society, and the workplace;

•construct, critique, and evaluate quantitative arguments that utilize mathematical,
statistical, and quantitative information;

•use appropriate tools strategically.

Statistics courses, in particular, shall ask students to:
•produce and interpret graphical displays and numerical summaries;

•recognize questions for which the investigative process of statistics is useful and
answer questions using that process

•have a conceptual and computational understanding of descriptive and basic
inferential statistical methods;

•recognize and explain the roles of variability in statistics and randomness in
designing studies and drawing conclusions;

•demonstrate an understanding of concepts useful in building statistical literacy
such as correlation is not causation and the difference between statistical
significance and practical importance.
2
Courses that do not make significant use of quantitative reasoning are excluded from
Subarea B4. These include:

•courses in the history of mathematics
•computer programming courses
•symbolic logic courses

Computer Science courses that go beyond programming concepts, methodologies, and
fundamental techniques to meaningfully address quantitative information may be acceptable.
Survey courses are excluded from IGETC but are acceptable for CSU GE Breadth

if they meet the expectations outlined in this document for CSU GE B4 courses.
Additional quantitative reasoning courses (beginning with the fall 2018 semester) may be
approved for CSU GE Breadth but may not be considered for IGETC. For general QR courses
such as Math for Liberal Arts, Mathematics for Practical
Purposes, Introduction to Mathematical Modelling, and more targeted introductory
courses such as Personal Finance, students should be proficient in a broad set of skills
and knowledge from 8th grade mathematics, geometry, and AlgebraI (or equivalent).
Students enrolling in these courses should be able to:
3
•demonstrate procedural fluency with real number arithmetic operations and using
those operations to represent real-world scenarios and to solve stated problems;

•evaluate with the use of technology expressions that involve arithmetic with
signed numbers, square roots, squaring, exponents, factorials, and summation notation;

•demonstrate number sense, including dimensional analysis and conversions between fractions,
decimals, and percentages;

•represent numbers, intervals, and inequalities on the number line;

•make estimates and predications, understand when approximations are appropriate and when
exact
calculations are necessary;

•evaluate, and apply linear, quadratic, and absolute value expressions and formulas;

•use information about functions and features of graphs to model relationships between
quantities
 (positive, negative, increasing, decreasing, etc.);

•solve, graph, and interpret linear equations and inequalities; solve problems modeled by linear
equations;

•demonstrate an understanding of displays of data such as tables, bar charts, histograms, pie
charts,
and line graphs;

•use data to calculate and interpret median, and mean; solve application problems appl
ying measurement and geometry topics such as distance, area, perimeter, and volume

Courses in elementary statisticsmay be offered by multiple departments, including
business, economics, mathematics, social science, and science.
Students should be proficient in a broad set of skills and knowledge from 8th grad
e mathematics, geometry, and Algebra I (or equivalent). Students enrolling in these
courses should be able to:

●work with numerical information: ordering decimals, order of operations, operations with fractions and percentages, converting fractions to decimals and percentages, representing numbers, intervals, and inequalities on the number line.

●evaluate expressions with the use of technology that involve arithmetic with signed numbers, square roots, squaring, exponents, factorials, and summation notation;

●solve simple linear equations in one variable;

●model linear models; interpreting slope and intercept; graphing a line and points; making predictions; calculating vertical deviation of a point from the line;

●approximate areas of specified regions given the area under a curve or histogram; extracting information from graphs and tables;

●understanding set notation and diagrams; finding the complement of a set; finding the union and intersection of two sets.

For courses that require stronger algebra skills, such as finite math, college algebra, or precalculus, the prerequisite skills and knowledge will also include topics from Algebra II. In addition to the topics listed for general QR courses, students enrolling in these courses should be able to:

●Evaluate and apply polynomial, rational, exponential, power, rational, and trigonometric expressions and formulas;

●solve, graph, and interpret quadratic equations; solve two linear equations in two unknowns; solve problems modeled by quadratic equations;

●perform arithmetic operations on polynomials and rational expressions; apply factoring techniques to simplify expressions and locate roots;

●understand the relationship between the multiple representations (variable, graph, data, words) of various functions (quadratic, power, exponential, rational, trigonometric functions);

●find inverse functions;

●create and interpret mathematical models, by building functionsthat describe a given situation;

●use the concepts of congruence, similarity, and symmetry to demonstrate relationships in geometric figures such as lines, triangles, circles, quadrilaterals, and other polygons;

•use trigonometric ratios to solve problems involving right triangles;

•understand the graphs and properties of trigonometric functions;

•analyze data to calculate center (mean and median), and measures of spread (standard deviation and interquartile range);

•describing data, interpreting summaries of data, and making predictions based on the data;

•demonstrate a basic understanding of inductive and deductive reasoning, hypotheses and conclusions.

Across all CCC courses that are approved for CSU GE Breadth (including Subarea B4), the course content and outcomes must be baccalaureate level, requiring as prerequisite the skills and knowledge developed in high school that are needed for the given course. Note: With the issuance of CSU EO 1110 Revised, CSU students will no longer be required to complete remedial courses butwill enroll in courses with support as indicated by multiple measures. Similarly, we leave it to the individual CCC to determine how students who have not completed the prerequisites to Subarea B4 courses will be supported to succeed (e.g., traditional remedial courses, co-requisite, stretch, or pathways models).