

**EL CAMINO COLLEGE**  
**MINUTES OF THE COLLEGE CURRICULUM COMMITTEE**  
**October 27, 2015**

**CALL TO ORDER**

Meeting called to order at 2:35 p.m. by Chair Carr.

**Members:**

*Present:* S. Bartiromo, W. Brownlee, T. Bui, A. Carr, A. Cornelio, E. French-Preston,  
A. Hockman, L. Houske, K. Iino, V. Nemie, D. Pahl, A. Sharp

*Absent:* S. Bosfield, S. Rodriguez, J. Shankweiler

**Ex-Officio Members:**

*Present:* Q. Chapman, P. McDermott, K. Whitney

*Absent:* M. Lipe, A. Osanyinpeju, L. Suekawa, L. Young

**Guests:** M. Chaban, W. Cox, C. Fitzsimons, L. Linka, R. Mekar, R. Natividad, P. Sorunke

**APPROVAL OF MINUTES**

The minutes of the October 13, 2015 meeting is currently under review by the Curriculum Advisor Q. Chapman. The minutes will be emailed to the committee by October 30.

**CURRICULUM REVIEW**

**A. Full Program Review**

The committee reviewed the following program proposals, which are ready for final action:

1. Accounting A.S. Degree
2. Accounting Certificate of Achievement
3. Real Estate Appraisal Option A.A. Degree
4. Real Estate Appraisal Certificate of Achievement

**B. Full Course Review**

The committee reviewed the following courses, which are ready for final action:

1. Art 208H (ART 208H)
2. Physical Education 80abc (PE 80abc)
3. Physical Education 255 (PE 255)
4. Radiologic Technology A (RTEC A)
5. Respiratory Care 282 (RC 282)
6. Respiratory Care 286 (RC 286)
7. Respiratory Care 288 (RC 288)

**STANDARD REVIEW/CONSENT AGENDA PROPOSALS**

The committee reviewed the following courses, which and are ready for final action:

1. Art 129 (ART 129)
2. Business 25 (BUS 25)

3. Computer Information Systems 29 (CIS 29)
4. Computer Information Systems 80 (CIS 80)
5. Dance 101 (DANC 101)
6. Dance 165 (DANC 165)
7. Mathematics 165 (MATH 165)
8. Mathematics 270 (MATH 270)
9. Physical Education 400 (PE 400)
10. Physical Education 401 (PE 401)
11. Physical Education 402 (PE 402)
12. Physical Education 404 (PE 404)
13. Physical Education 407 (PE 407)
14. Respiratory Care 176 (RC 176)
15. Respiratory Care 178 (RC 178)
16. Respiratory Care 280 (RC 280)
17. Respiratory Care 284 (RC 284)
18. Respiratory Care 289 (RC 289)
19. Respiratory Care 290 (RC 290)
20. Respiratory Care 291 (RC 291)
21. Respiratory Care 292 (RC 292)
22. Respiratory Care 293 (RC 293)
23. Respiratory Care 294 (RC 294)
24. Respiratory Care 295 (RC 295)
25. Respiratory Care 296 (RC 296)
26. Respiratory Care 297 (RC 297)
27. Respiratory Care 298 (RC 298)

## **CURRICULUM DISCUSSION**

### **A. Full Program Review**

#### **Business Division**

It was moved by A. Hockman, seconded by D. Pahl, that the committee approve program revision proposals for Accounting A.S. Degree and Certificate of Achievement, Real Estate Appraisal Option A.A. Degree and Certificate of Achievement. Motion carried.

### **B. Full Course Review**

#### **Fine Arts Division**

It was moved by W. Brownlee, seconded by V. Nemie, that the committee approve new honors course proposal for Art 208H. Motion carried.

#### **Health Sciences and Athletics Division**

##### Physical Education 255 – Beach Volleyball

The committee concurred with R. Natividad's recommendation to change the descriptive title from "Sand" Volleyball to "Beach" Volleyball.

It was moved by S. Bartiromo, seconded by K. Iino, that the committee approve the full course review proposals for Health Sciences and Athletics Division. Motion carried.

1. Physical Education 255 (new course)
2. Physical Education 80abc (including conditions of enrollment changes),
3. Radiologic Technology A (including new hybrid course version and conditions of enrollment changes)
4. Respiratory Care 282, 286, and 288 (including conditions of enrollment changes)

### **C. Standard Review/Consent Agenda Proposals**

Mathematics 150 was tabled for department to address the C-ID issue.

It was moved by E. French-Preston, seconded by L. Houske, that the committee approve the twenty-seven standard review/consent agenda proposals. Motion carried.

### **VICE PRESIDENT'S REPORT**

Vice President Academic Affairs – Dr. Shankweiler – No report

### **CHAIR'S REPORT**

College Curriculum Committee Chair – A. Carr

For new curriculum, both deans and faculty will be invited to the curriculum meetings. For existing curriculum, CCC representatives should be familiar with proposal comments prior to each meeting. CCC representatives can address questions regarding proposal on the agenda. During proposal reviews, college curriculum members should document discussions and comments made by faculty and Division Curriculum Committee prior to curriculum meetings.

### **CURRICULUM ADVISOR REPORT**

Curriculum Advisor – Q. Chapman

#### Cooperative Work Experience Education

Course reviews have been initiated in CurricUNET for the Cooperative Work Experience Education courses. These courses will no longer be repeatable effective fall 2016.

Q. Chapman will submit courses for Division Curriculum Committee review and include the rationale for the review. The curriculum committee should contact Q. Chapman or Chair Carr for any questions about the course outline of record or course inactivation requests. The course reviews must be completed by the end of the fall semester.

Note: The next College Curriculum Committee meeting scheduled on November 10 will be held in the Board Room.

### **ANNOUNCEMENTS – No report**

### **ADJOURNMENT**

Chair Carr called a motion to adjourn the meeting. T. Bui moved, S. Bartiromo seconded, and the motion carried. The meeting adjourned at 3:15 p.m.

**EL CAMINO COLLEGE  
COLLEGE CURRICULUM COMMITTEE  
October 27, 2015  
Approved Curriculum Changes for 2016-2017**

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**BUSINESS**

**COURSE REVIEW; DISTANCE EDUCATION REVIEW**

1. Business 25 – Introduction to Business

**CTE TWO-YEAR COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION**

1. Computer Information Systems 29 – Advanced Database Applications

*Current Status/Proposed Changes*

This course offers ~~the student~~ advanced instruction in relational databases in a Windows environment. ~~The student designs and develops~~ Students learn how to design and develop a database from user specifications. Topics include analyzing source documents, normalizing a database, techniques of effective design and creating and implementing all tables and database objects. Applications used are typical business operations such as inventory and human resources.

*Recommendation*

This course offers advanced instruction in relational databases in a Windows environment. Students learn how to design and develop a database from user specifications. Topics include analyzing source documents, normalizing a database, techniques of effective design and creating and implementing all tables and database objects. Applications used are typical business operations such as inventory and human resources.

**CTE TWO-YEAR COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION**

*Current Status/Proposed Changes*

1. Computer Information Systems 80 – ~~Oracle Applications~~ Database Programming

The effective and efficient use of ~~an application programming language~~ the structured query programming language (SQL), used in Oracle, SQL Server, and many other database applications, is introduced and developed in lectures and reinforced through

a series of lab projects of increasing complexity. ~~Programming techniques~~ Topics will include the building and manipulation of tables, data retrieval, and data administration, as used in modern business.

*Recommendation*

Computer Information Systems 80 – Database Programming

The effective and efficient use of the structured query programming language (SQL), used in Oracle, SQL Server, and many other database applications, is introduced and developed in lectures and reinforced through a series of lab projects of increasing complexity. Topics include the building and manipulation of tables, data retrieval, and data administration, as used in modern business.

**CHANGE IN MAJOR; PROGRAM DESCRIPTION, COURSE REQUIREMENTS**

1. Real Estate Appraisal Option A.A. Degree

*Current Status/Proposed Changes*

The degree or certificates are designed to provide students with competencies to enter careers in residential and commercial real estate appraisal, escrow, exchange, development, investment, leasing, property management, sales, and title insurance. The program meets legislatively mandated education for the California ~~Department~~ Bureau of Real Estate (BRE) salesperson and broker license exams as well as the Office of Real Estate Appraisal (OREA) license exam. Courses are approved by the ~~DRE BRE~~ and OREA for basic and continuing education, including computer applications and Uniform Standards of Professional Appraisal Practice (USPAP). Competencies are assessed using projects and exams.

**Major Requirements**

**Units**

Required Core: 15 units

RE 11	Real Estate Principles	3
RE 14A	Real Estate Finance I	3
RE 16	Real Estate Economics	3
RE 40	Real Estate Appraisal	3
RE 41	Advanced Real Estate Appraisal	3

~~two courses from:~~ 6 units from:

RE 14B	Advanced Real Estate Finance	3
RE 19	Real Property Management	3
RE 21	Real Estate Investments	3
RE 31	Mortgage Loan Brokering and Lending	3

~~two courses from:~~ 6 units from:

ARCH 150A	Architectural Drafting I	3
BUS 15	Business Mathematics	3
BUS 28	Written Business Communications	3
CIS 13	Computer Information Systems	3
LAW-6	<del>Agency, Corporations and Partnerships</del>	3
<b>Total Units: 27</b>		

## CHANGE IN MAJOR; COURSE REQUIREMENTS, TOTAL UNITS

- Accounting A.S. Degree  
*Current Status/Proposed Changes*

<b>Major Requirements</b>		<b>Units</b>
BUS 1A	Financial Accounting	4
BUS 1B	Managerial Accounting	4
BUS 2A	Intermediate Accounting	3
BUS 2B	Intermediate Accounting	3
BUS 4	Cost Accounting	3
BUS 5A	Income Tax Accounting	4
CIS 13	Computer Information Systems	3
LAW 5	Business Law	3
LAW-6	<del>Agency, Corporations and Partnerships</del>	3
<b>Total Units: <del>26-27</del> <u>27</u></b>		

## CHANGE IN CERTIFICATE; COURSE REQUIREMENTS

- Real Estate Appraisal Certificate of Achievement  
*Current Status/Proposed Changes*

<b>Certificate Requirements</b>		<b>Units</b>
Required Core: 15 units		
RE 11	Real Estate Principles	3
RE 14A	Real Estate Finance I	3
RE 16	Real Estate Economics	3
RE 40	Real Estate Appraisal	3
RE 41	Advanced Real Estate Appraisal	3

~~two courses from:~~ 6 units from:

RE 14B	Advanced Real Estate Finance	3
RE 19	Real Property Management	3
RE 21	Real Estate Investments	3
RE 31	Mortgage Loan Brokering and Lending	3
<del>two courses from:</del> <u>6 units from:</u>		
ARCH 150A	Architectural Drafting I	3
BUS 15	Business Mathematics	3
BUS 28	Written Business Communications	3
CIS 13	Computer Information Systems	3
<del>LAW 6</del>	<del>Agency, Corporations and Partnerships</del>	<del>3</del>
<b>Total Units: 27</b>		

## CHANGE IN CERTIFICATE; COURSE REQUIREMENTS, TOTAL UNITS

- Accounting Certificate of Achievement  
*Current Status/Proposed Changes*

<b>Certificate Requirements</b>		<b>Units</b>
BUS 1A	Financial Accounting	4
BUS 1B	Managerial Accounting	4
BUS 2A	Intermediate Accounting	3
BUS 2B	Intermediate Accounting	3
BUS 4	Cost Accounting	3
BUS 5A	Income Tax Accounting	4
CIS 13	Computer Information Systems	3
LAW 5	Business Law	3
<del>LAW 6</del>	<del>Agency, Corporations and Partnerships</del>	<del>3</del>
<b>Total Units: <del>26-27</del> <u>27</u></b>		

## FINE ARTS

### NEW COURSE

- Art 208H – Honors History of American Art  
Units: 3.0      Lecture: 3.0      Faculty Load: 20.00%  
Recommended Preparation: eligibility for English 1A  
Grading Method: Letter  
Credit Status: Associate Degree Credit  
CSU Transfer

Proposed UC Transfer  
EL Camino College AA/AS General Education - Area 3  
Proposed CSU General Education - Area C1  
Proposed IGETC - Area 3A

This course, designed for students in the Honors Transfer Program, is an introductory survey of American Art from its pre-colonial past to the contemporary era with a focus on the social, political, economic, and philosophical conditions that have resulted in a culturally diverse artistic tradition. The contributions and influences of immigrants, Native Americans, African Americans, Asian Americans, Chicano/Latino Americans, and European Americans will be studied in relation to historical contexts. This course is enriched through more extensive reading, writing, and research assignments using primary and scholarly secondary sources.

Note: Students may take either Art 208 or Art 208H. Duplicate credit will not be awarded for Art 208 and Art 208H.

### **COURSE REVIEW; NONSUBSTANTIVE CHANGES**

1. Art 129 – Fundamentals of Color
2. Dance 165 – African Dance

### **COURSE REVIEW; DISTANCE EDUCATION REVIEW**

1. Dance 101 – Dance Appreciation

## **HEALTH SCIENCES AND ATHLETICS**

### **NEW COURSE**

1. Physical Education 255 – Beach Volleyball  
Units: 1.0      Lecture: 0      Lab: 3.0      Faculty Load: 13.64%  
Grading Method: Letter  
Credit Status: Associate Degree Credit  
CSU Transfer  
Proposed UC Transfer  
El Camino College AA/AS General Education - Area 5  
Proposed CSU General Education - Area E



This course provides instruction, strategies and practice of skills in sand volleyball. The course is designed to develop fundamental and advanced skills, knowledge of rules, team strategies and desire for future participation during leisure times.

### **CTE TWO-YEAR COURSE REVIEW; NONSUBSTANTIVE CHANGES**

1. Respiratory Care 176 – Introduction to the Respiratory Care of the Non-Critically III Patient
2. Respiratory Care 178 – Respiratory Care of the Critically III Patient I
3. Respiratory Care 280 – Respiratory Care of the Critically III Patient II
4. Respiratory Care 284 – Respiratory Care of the Critically III Patient III
5. Respiratory Care 289 – Advanced Respiratory Care of the Asthmatic Patient
6. Respiratory Care 290 – Advanced Specialty Respiratory Gases
7. Respiratory Care 291 – Advanced Specialty Ventilators and Specialized Oxygen Delivery Devices
8. Respiratory Care 292 – Advanced Clinical Application and Interpretation of Blood Gases
9. Respiratory Care 293 – Cardiac Monitoring in Advanced Respiratory Care
10. Respiratory Care 294 – Pulmonary Function Testing in Advanced Respiratory Care
11. Respiratory Care 295 – Pharmacology in Advanced Respiratory Care
12. Respiratory Care 296 – Physical Examination in Advanced Respiratory Care
13. Respiratory Care 297 – Perinatal and Pediatric Care in Advanced Respiratory Care
14. Respiratory Care 298 – Advanced Emergency Management

### **CTE TWO-YEAR COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)**

1. Radiologic Technology A – Introduction to Radiologic Technology  
*Current Status/Proposed Changes*  
~~Recommended Preparation: English 84 and Mathematics 23 or Mathematics 25~~

Prerequisite: Mathematics 23 with a minimum grade of C or qualification by testing (El Camino College Mathematics Placement Test) and assessment  
and  
eligibility for English 1A

#### *Recommendation*

Prerequisite: Mathematics 23 with a minimum grade of C or qualification by testing (El Camino College Mathematics Placement Test) and assessment

and  
eligibility for English 1A

2. Respiratory Care 282 – Fundamentals of Perinatal and Pediatric Respiratory Care

*Current Status/Proposed Changes*

~~Prerequisite: Respiratory Care 178 with a minimum grade of C~~

Enrollment Limitation: Students must be admitted to the El Camino College Respiratory Care Program or have graduated from an accredited respiratory care program.

*Recommendation*

Enrollment Limitation: Students must be admitted to the El Camino College Respiratory Care Program or have graduated from an accredited respiratory care program.

3. Respiratory Care 286 – Fundamentals of Pulmonary Rehabilitation and Home Respiratory Care

*Current Status/Proposed Changes*

~~Prerequisite: Respiratory Care 280 with a minimum grade of C~~

Enrollment Limitation: Students must be admitted to the El Camino College Respiratory Care Program or have graduated from an accredited respiratory care program.

*Recommendation*

Enrollment Limitation: Students must be admitted to the El Camino College Respiratory Care Program or have graduated from an accredited respiratory care program.

4. Respiratory Care 288 – Fundamentals of Pulmonary Function Testing

*Current Status/Proposed Changes*

~~Prerequisite: Respiratory Care 176 with a minimum grade of C~~

Enrollment Limitation: Students must be admitted to the El Camino College Respiratory Care Program or have graduated from an accredited respiratory care program.

*Recommendation*

Enrollment Limitation: Students must be admitted to the El Camino College Respiratory Care Program or have graduated from an accredited respiratory care program.

## **COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Pre/Corequisite, Recommended Preparation, or Enrollment Limitation)**

### 1. Physical Education 80abc – Men's Intercollegiate Volleyball Team

#### *Current Status/Proposed Changes*

~~Enrollment Limitation: tryout (high school varsity experience or equivalent skill)~~

Recommended Preparation: high school varsity experience or equivalent skill

#### *Recommendation*

Recommended Preparation: high school varsity experience or equivalent skill

## **COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION**

### 1. Physical Education 400 – Adaptive Fitness

#### *Current Status/Proposed Changes*

This course is designed for students with disabilities and provides personalized exercise programs. The components of physical fitness such as body composition, ~~cardiovascular~~ flexibility, muscle endurance, flexibility muscle strength, and strength cardiorespiratory endurance will be discussed. Training principles with each component of fitness will be practiced with an understanding of ~~benefits and training principles. Specialized adaptive exercise equipment is available.~~ the physical and health benefits of exercise.

~~Note: This course is designed for students with disabilities.~~

#### *Recommendation*

This course is designed for students with disabilities and provides personalized exercise programs. The components of physical fitness such as body composition, flexibility, muscle endurance, muscle strength, and cardiorespiratory endurance will be discussed. Training principles with each component of fitness will be practiced with an understanding of the physical and health benefits of exercise.

### 2. Physical Education 401 – Adapted Strength Training

#### *Current Status/Proposed Changes*

This course ~~provides strength training exercises~~ is designed for students with disabilities. ~~Exercise programs are~~ and provides personalized and self-paced strength training programs. Fitness terminology, training principles, and ~~the~~ benefits from resistance exercise will be discussed. Major muscle groups will be identified with an understanding of their function and application to specific exercises. ~~Specialized adaptive exercise equipment is available.~~

~~Note: This course is designed for students with disabilities.~~

*Recommendation*

This course is designed for students with disabilities and provides personalized strength training programs. Fitness terminology, training principles, and benefits from resistance exercise will be discussed. Major muscle groups will be identified with an understanding of their function and application to specific exercises.

3. Physical Education 402 – Adapted Swimming and Hydroexercise

*Current Status/Proposed Changes*

This course is designed ~~to meet the needs of~~ for students with disabilities. ~~Students will learn basic swimming skills and/or participate in~~ and provides personalized instruction in swimming and hydroexercise programs. Water safety skills, ~~elements of fundamental swimming strokes, and~~ physical fitness, ~~and training principals~~ principles in the water utilizing buoyancy and hydrodynamic resistance will be ~~included~~ discussed and practiced.

~~Note: This course is designed for students with disabilities.~~

*Recommendation*

This course is designed for students with disabilities and provides personalized instruction in swimming and hydroexercise. Water safety skills, fundamental swimming strokes, and physical fitness training principles in the water utilizing buoyancy and hydrodynamic resistance will be discussed and practiced.

4. Physical Education 404 – Adapted Cardiovascular Fitness

*Current Status/Proposed Changes*

This course ~~provides cardiovascular exercise~~ is designed for students with disabilities, and provides personalized instruction in cardiovascular exercise. Aerobic and/or anaerobic conditioning will be performed with an understanding of monitoring exercise frequency, intensity, and duration. ~~Exercise programs are personalized and self-paced and~~ Fitness terminology, training principles, and benefits ~~associated with cardiovascular~~ of exercise will be discussed. ~~Specialized adaptive exercise equipment is available.~~

~~Note: This course is designed for students with disabilities.~~

*Recommendation*

This course is designed for students with disabilities and provides personalized instruction in cardiovascular exercise. Aerobic and/or anaerobic conditioning will be performed with an understanding of monitoring exercise frequency, intensity and duration. Fitness terminology, training principles, and benefits of exercise will be discussed.

5. Physical Education 407 – Adapted Bowling

*Current Status/Proposed Changes*

This course is designed for students with disabilities. ~~Students will receive and provides~~ personalized instruction in ~~the basic~~ bowling. Skills, rules, etiquette, scoring, and playing strategies ~~in the activity of bowling~~ will be discussed. Students will also participate in a tournament and league play during the semester.

~~Note: This course is designed for students with disabilities.~~

~~Note: Students must obtain their own transportation to and from Gable House Bowl and must pay a fee per line of bowling which includes rental shoes and bowling ball.~~

Note: Students pay a user fee for each class meeting for bowling lanes, shoes, and bowling ball. Students must furnish their own transportation to and from the bowling alley.

*Recommendation*

This course is designed for students with disabilities and provides personalized instruction in bowling. Skills, rules, etiquette, scoring, and playing strategies will be discussed. Students will participate in tournament and league play during the semester.

Note: Students pay a user fee for each class meeting for bowling lanes, shoes, and bowling ball. Students must furnish their own transportation to and from the bowling alley.

**NEW DISTANCE EDUCATION ONLINE/HYBRID COURSE VERSION**

1. Radiologic Technology A – Introduction to Radiologic Technology

**MATHEMATICAL SCIENCES**

**COURSE REVIEW; NONSUBSTANTIVE CHANGES**

1. Mathematics 165 – Calculus for Business and Social Sciences

**COURSE REVIEW; CHANGES IN CATALOG DESCRIPTION**

1. Mathematics 270 – Differential Equations with Linear Algebra

*Current Status/Proposed Changes*

This course consists of a study of first-order ordinary differential equations, systems of linear equations, matrices, determinants, vector spaces, linear transformations,

linear second-order ordinary differential equations, power series solutions, numerical methods, Laplace transforms, eigenvalues, eigenvectors, and systems of linear differential equations and applications.

*Recommendation*

This course consists of a study of first-order ordinary differential equations, systems of linear equations, matrices, determinants, vector spaces, linear transformations, linear second-order ordinary differential equations, power series solutions, numerical methods, Laplace transforms, eigenvalues, eigenvectors, and systems of linear differential equations and applications.