

**EL CAMINO COLLEGE  
MINUTES OF THE COLLEGE CURRICULUM COMMITTEE  
MAY 8, 2012**

Present: F. Arce, J. Davidson, E. French-Preston, S. Gates, M. Lipe, E. Martinez,  
V. Nemie, T. Norton, V. Rayford, S. Rodriguez, J. Sims, J. Thompson, J. Young

Absent: B. Carey

Ex-Officio Members Present: Q. Chapman, C. Lee

Ex-Officio Members Absent: T. Carr, M. Hall, L. Suekawa, D. Vakil, C. Valdez

Also Present: C. Gold, L. Linka, J. Shankweiler, D. Shrader

**CALL TO ORDER**

Acting Chair Lipe called the College Curriculum Committee (CCC) meeting to order at 2:33 p.m.

**APPROVAL OF MINUTES**

The minutes from the April 24 meeting were distributed at the meeting for a live vote. The committee members reviewed the minutes, and Acting Chair Lipe called for a motion to approve. S. Gates moved, V. Nemie seconded, and the motion was carried unanimously.

**ADMINISTRATIVE PROCEDURE 4260**

The committee members were reminded to review the content and offer comments and recommendations for AP 4260. J. Shankweiler will send an electronic copy to L. Linka, who will forward to committee members for review.

**VICE PRESIDENT'S REPORT**

F. Arce advised the committee that the President, Cabinet and Board of Trustees are very interested in the completion of Transfer Degrees. There is emphasis at the CSU level in terms of admissions. Various other colleges have a higher rate of completion, and El Camino College is behind in this area. Q. Chapman stated that two Transfer Degrees have been approved by the Chancellor's Office, two more should be completed by the end of spring, and four more will be worked on over the summer. The balance of those due must be worked on in the fall. The following degrees will go to the CCC by the end of May, and will be submitted to the Chancellor's Office in the summer:

1. Administration of Justice
2. Kinesiology
3. Mathematics
4. Physics

**CURRICULUM REVIEW**

At this time, Acting Chair Lipe introduced and welcomed Levalley Pattison as the new CCC representative for the Health Sciences and Athletics division.

### **Full Course Review**

The following courses were approved in CurricUNET and are ready for final action:

1. Computer Aided Design/Drafting 32abcd (CADD 32ABCD)
2. Computer Aided Design/Drafting 33abcd (CADD 33ABCD)
3. Computer Aided Design/Drafting 37abcd (CADD 37ABCD)
4. Electronics and Computer Hardware Technology 120 (ECHT 120)
5. Electronics and Computer Hardware Technology 122 (ECHT 122)
6. Electronics and Computer Hardware Technology 124 (ECHT 124)
7. Music 85ab (MUSI 85AB)

The following degrees and certificates were approved in CurricUNET and are ready for final action:

1. Administration of Justice A.S. Degree for Transfer (AS-T)
2. Fitness Trainer Certificate of Accomplishment

### **Standard Course Review**

The following courses were approved in CurricUNET and are ready for final action:

1. Automotive Collision Repair/Painting 4abcd (ACRP 4ABCD)
2. Administration of Justice 170 (AJ 170)
3. Art 24ab (ART 24AB)
4. Art 25ab (ART 25AB)
5. Dance 71abcd (DANC 71ABCD)
6. Engineering Technology 18B (ETEC 18B)
7. Fashion 27 (FASH 27)
8. Fashion 41 (FASH 41)
9. French 2 (FREN 2)
10. Fire and Emergency Technology 60A (FTEC 60A)
11. Law 20 (LAW 20)
12. Mathematics 160 (MATH 160)
13. Machine Tool Technology 101abcd (MTT 101ABCD)
14. Machine Tool Technology 105abcd (MTT 105ABCD)
15. Machine Tool Technology 107abcd (MTT 107ABCD)
16. Nursing (NURS 152)
17. Nutrition and Foods 11 (NFOO 11)
18. Theatre 4 (THEA 4)
19. Theatre 74 (THEA 74)
20. Welding 40abcd (WELD 40ABCD)

### **Inactivations**

The following course inactivations were approved in CurricUNET and are ready for final action:

1. Administration of Justice 140 (AJ 140)
2. Cosmetology 5ab (COSM 5AB)
3. Fire and Emergency Technology 152 (FTEC 152)
4. Political Science 99abc (POLI 99ABC)
5. Psychology 96abcd (PSYC 96ABCD)
6. Sociology 96abcd (SOC 96ABCD)
7. Sociology 99abc (SOC 99ABC)

The following course proposal was put to a live vote:

1. Communication Studies 14 (COMS 14)

Acting Chair Lipe called for a motion to approve the course proposal and conditions of enrollment. E. French-Preston moved, J. Young seconded, and the motion was carried unanimously.

The following courses were not finalized, and were returned for changes per committee recommendations:

1. Automotive Collision Repair/Painting 5abcd (ACRP 5ABCD)
2. Art 61ab (ART 61AB)
3. Computer Information Systems 40 (CIS 40)
4. Dance 70abcd (DANC 70ABCD)
5. Engineering Technology 18 (ETEC 18)
6. Engineering Technology 18A (ETEC 18A)
7. Machine Tool Technology 103abcd (MTT 103ABCD)

### **CHAIR'S REPORT**

In regards to flex reporting, Acting Chair Lipe advised the committee that the deadline for reporting flex hours is May 15, 2012. As a College Curriculum Committee representative, there is an opportunity to receive four flex credits per semester. Flex reporting is no longer automatic; the CCC representatives must now report their hours online.

Acting Chair Lipe informed the committee that he will be attending the Curriculum Institute in July. There is still an opportunity for committee members to attend.

### **CURRICULUM ADVISOR REPORT**

- SB1440 correction  
The transfer degrees are being fast-tracked; however, only they degrees completed at this time will be approved this semester. When will the completed degrees become effective? If the Chancellor's Office approves before the end of fall, the degrees can be published for spring semester.
- 2012-2013 Course Review Status – Courses Not Reviewed in Six Years  
The committee members were advised that the courses listed on this report should be a priority on their fall 2012 plans.
- Fall 2012 CCC Timeline
  - Meeting #1
  - Meeting #2
  - Division proposals
- Courses with TBA Contact Hours for 2012-2013 Course Review
  - Lecture and lab courses priority
- 2011-2012 Course Review Goals by Division
  - Fall 2012 plans due 6/5/12

**ELECTION OF CCC CHAIR**

The nominating committee of J. Thompson and T. Norton coordinated the election process, stating the election term for the new CCC chair will be 2013-2015. J. Thompson opened the floor to nominations, and proceeded to nominate M. Lipe. No other nominations were submitted, and the nominations were closed. J. Thompson called for a motion to approve the nomination. J. Thompson moved, T. Norton seconded, and the motion was carried. Q. Chapman distributed ballots to the voting members of the committee, who were requested to complete and return to Q. Chapman at the conclusion of today's meeting.

**ADJOURNMENT**

Acting Chair Lipe called for a motion to adjourn the meeting. S. Gates moved, J. Young seconded, and the motion was carried. The meeting was adjourned at 3:31 p.m.

**EL CAMINO COLLEGE  
COLLEGE CURRICULUM COMMITTEE**

**May 8, 2012  
Proposed Curriculum Changes for 2013-2014**

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**BEHAVIORAL AND SOCIAL SCIENCES**

**INACTIVATE COURSES**

1. Political Science 99abc – Independent Study
2. Psychology 96abcd – Cooperative Work Experience Education
3. Sociology 96abcd – Cooperative Work Experience Education
4. Sociology 99abc – Independent Study

**BUSINESS**

**COURSE REVIEW**

1. Law 20 – Paralegal Seminar

**FINE ARTS**

**COURSE REVIEW**

1. Art 24ab – Life Painting I
2. Art 25abcd – Life Painting II
3. Dance 71ab – Choreography I
4. Theatre 4 – Dramatic Literature

**COURSE REVIEW; CHANGES IN CONTACT HOURS**

1. Theatre 74abcd – Musical Theatre Production  
*Current Status/Proposed Changes*

Lecture: 0 hours            Lab: 3.0 hours to be arranged

*Recommendation*

Lecture: 0 hours            Lab: 3.0 hours to be arranged

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

1. Music 85ab – Songwriting for Commercial Music  
*Current Status/Proposed Changes*  
Recommended Preparation: Music 1

*Recommendation*

Recommended Preparation: Music 1

**COURSE REVIEW; DISTANCE EDUCATION UPDATE**

1. Communication Studies 14 – Introduction to Intercultural Communication

**HEALTH SCIENCES AND ATHLETICS**

**NEW CERTIFICATE OF ACCOMPLISHMENT**

**1. Fitness Trainer**

The kinesiology program provides a foundation for the study of diverse dimensions of exercise, science and sport. Upon completion of the program, students will have knowledge and skills for advancement into a number of kinesiology fields, such as adapted physical education, athletic training, coaching, exercise science, fitness specialist, kinesiotherapy, and teaching. Competency will be assessed by a student's ability to solve problems in exercise program design and to evaluate movement skills, tactics, and strategies in various physical activities.

A Certificate of Accomplishment will be granted upon completion of all program requirements.

**Certificate Requirements**

Physical Education 1abcd (one semester), 277, 280, 290, First Aid 1

Total units: 13

**COURSE REVIEW**

1. Nursing 152 – Introduction to Nursing Pharmacology

## HUMANITIES

### COURSE REVIEW; CHANGES IN GENERAL EDUCATION REQUIREMENTS

1. French 2 – Elementary French II  
*Current Status/Proposed Changes*  
Proposed IGETC General Education Requirement – Area 3B  
  
*Recommendation*  
Proposed IGETC General Education Requirement – Area 3B

## INDUSTRY AND TECHNOLOGY

### NEW MAJOR – SB 1440 TRANSFER DEGREE (AS-T)

#### 1. Administration of Justice

The administration of justice program provides students with the ability to apply principles of the justice system, constitutional and procedural considerations affecting arrest, search and seizure, human relations, and concepts of criminal law as well as demonstrate proficiency in report writing and record keeping. Students completing this program will be prepared to transfer and major in criminal justice. Competencies will be assessed regularly in accordance with the California Commission on Peace Officers Standards and Training (P.O.S.T.) criteria.

The Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the AS-T are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn an AS-T degree, students must complete a minimum of 18 semester units in the major, a minimum 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0 and the CSU General Education Breadth requirements or Intersegmental General Education Transfer Curriculum (IGETC). This degree may not be the best option for students intending to transfer to a particular university or college that is not part of the CSU system. Students planning to complete the degree should consult with an El Camino counselor for more information on university admission and transfer requirements.

#### **Major Requirements**

Required Core: 6 units

Administration of Justice 100, 103

select two courses: 6 units

Administration of Justice 107, 111, 115, 126, 130, 131, 132

select two courses: minimum 6 units

Sociology 101; Sociology 109 or Psychology 9A; Psychology 5

Total units: 18-19

## **COURSE REVIEW**

1. Administration of Justice 170 – Laws of Arrest, Search and Seizure
2. Engineering Technology 18B – Engineering Design and Development II

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

1. Automotive Collision Repair/Painting 4abcd – Automotive Collision Repair: Collision Damage

### *Current Status/Proposed Changes*

This course provides instruction on the principles of automotive collision repair/painting involving safety practices, tool identification and use, vehicle construction, oxy-acetylene welding and brazing, electric welding, vehicle construction, metal working, grinding, plastic and solder filling, hydraulic body jacks, structural repairs, masking, and primer and spot painting.

Note: Four semesters of this course are ~~the same as~~ equivalent to the two-course sequence of Automotive Collision Repair/Painting 1A and 1B.

### *Recommendation*

This course provides instruction on the principles of automotive collision repair/painting involving safety practices, tool identification and use, vehicle construction, oxy-acetylene welding, electric welding, metal working, grinding, plastic filling, masking, and primer and spot painting.

Note: Four semesters of this course are equivalent to the two-course sequence of Automotive Collision Repair/Painting 1A and 1B.

2. Machine Tool Technology 101abcd – Introduction to Conventional and CNC Machining

### *Current Status/Proposed Changes*

~~This introductory course covers~~ In this course, students will be introduced to the principles and operation of conventional and CNC (Computer Numerically Controlled) (CNC) machine tools with an emphasis on safety, measurement, hand tools, power saws, drilling machines, lathes, and milling and grinding machines focusing on practices and setups used in industry.



*Recommendation*

In this course, students will be introduced to the principles and operation of conventional and Computer Numerically Controlled (CNC) machine tools with an emphasis on safety, measurement, hand tools, power saws, drilling machines, lathes, and milling and grinding machines focusing on practices and setups used in industry.

**COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, UNITS**

*Current Status/Proposed Changes*

1. Fire and Emergency Technology 60A – Basic Chemistry for Hazardous Materials  
Total Units: ~~2.0~~ 1.0      Lecture: 40.0 hours to be arranged (one week course)

*Recommendation*

Fire and Emergency Technology 60 A – Basic Chemistry for Hazardous Materials  
Total Units: 1.0      Lecture: 40.0 hours to be arranged (one week course)

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

1. Electronic and Computer Hardware Technology 124 – Operational Amplifiers and Linear Integrated Circuits

*Current Status/Proposed Changes*

~~Prerequisite~~ Recommended Preparation: Electronic and Computer Hardware Technology ~~120~~ 11 or equivalent with a minimum grade of C

*Recommendation*

Recommended Preparation: Electronic and Computer Hardware Technology 11 or equivalent

2. Fashion 27 – Fashion Merchandising

*Current Status/Proposed Changes*

Recommended Preparation: ~~eligibility for~~ English ~~84~~ A

*Recommendation*

Recommended Preparation: English A

**COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT  
(Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation),  
CATALOG DESCRIPTION**

1. Computer Aided Design/Drafting 32abcd – Product Modeling with CATIA

*Current Status/Proposed Changes*

~~Prerequisite~~ Recommendation Preparation: Computer Aided Design/Drafting 31abcd with a minimum grade of C or equivalent

In this course, students develop ~~more~~ advanced solid and surface modeling techniques available within CATIA\* software with emphasis on its assembly development aspects. Functions of the part design, generative shape, and drafting modules are also covered in depth. (\*CATIA is a registered trademark of Dassault Systems.)

*Recommendation*

Recommended Preparation: Computer Aided Design/Drafting 31abcd

In this course, students develop advanced solid and surface modeling techniques available within CATIA\* software with emphasis on its assembly development aspects. Functions of the part design, generative shape, and drafting modules are also covered in depth. (\*CATIA is a registered trademark of Dassault Systems.)

2. Computer Aided Design/Drafting 33abcd – Analyses and Simulations with CATIA

*Current Status/Proposed Changes*

~~Prerequisite~~ Recommended Preparation: Computer Aided Design/Drafting ~~3231~~abcd with a minimum grade of C or equivalent

This course explores the analysis and simulation features of Functional Dimension and Tolerance (FD&T) aspects of the CATIA\* software as well as the Subjects include "knowledgware," kinematic analysis, generative stress analysis, and other Computer Aided Engineering (CAE) functions. ~~Special emphasis is placed on surfacing functions.~~ (\*CATIA is a registered trademark of Dassault Systems.)

*Recommendation*

Recommended Preparation: Computer Aided Design/Drafting 31abcd

This course explores the analysis and simulation features of CATIA\*. Subjects include "knowledgware," kinematic analysis, generative stress analysis, and other Computer Aided Engineering (CAE) functions. (\*CATIA is a registered trademark of Dassault Systems.)

3. Fashion 41 – Fashion Analysis and Selection

*Current Status/Proposed Changes*

Recommended Preparation: ~~eligibility for~~ English 84 A

In this course students are introduced to the societal importance of apparel and personal appearance. Emphasis is placed on social, psychological, cultural, and physical clothing needs. Additional topics covered include the history of fashion

design, elements and principles of design, wardrobe planning, identifying quality, and clothing care, fit, and purchasing.

*Recommendation*

Recommended Preparation: English A

In this course students are introduced to the societal importance of apparel and personal appearance. Emphasis is placed on social, psychological, cultural and physical clothing needs. Additional topics covered include the history of fashion design, elements and principles of design, wardrobe planning, identifying quality, clothing care, fit and purchasing.

4. Machine Tool Technology 105abcd – Conventional and CNC Milling

*Current Status/Proposed Changes*

Prerequisite: Machine Tool Technology 46 or Machine Tool Technology 101abcd (~~or the former machine Tool Technology 13A~~) with a minimum grade of C in prerequisite or equivalent

In ~~T~~his course, ~~e~~overs students will study at an advanced level the principles and operation of conventional and ~~CNC~~ (Computer Numerically Controlled (CNC) machine tools with an emphasis on the set up and operation of milling machines. Topics will include safety, drilling, milling, tapping, tooling, CNC programming practices, and setups as applied in industry.

*Recommendation*

Prerequisite: Machine Tool Technology 46 or Machine Tool Technology 101abcd with a minimum grade of C in prerequisite or equivalent

In this course, students will study at an advanced level the principles and operation of conventional and Computer Numerically Controlled (CNC) machine tools with an emphasis on the set up and operation of milling machines. Topics will include safety, drilling, milling, tapping, tooling, CNC programming practices, and setups as applied in industry.

5. Machine Tool Technology 107abcd – Advanced Manufacturing Processes

*Current Status/Proposed Changes*

Prerequisite: Machine Tool Technology 46 or Machine Tool Technology 101abcd (~~or the former machine Tool Technology 13A~~) with a minimum grade of C in prerequisite or equivalent

In ~~T~~his course, ~~e~~overs students will study the principles and operation of machine tools with an emphasis on advanced manufacturing processes and machines, such as

~~EDM~~ (Electrical Discharge Machines (EDM), water abrasive jet machines, and grinding machines. Additional topics will include abrasives, coordinate measuring machines, advanced precision measurement, ~~GD&T~~ (Geometric Dimensioning and Tolerancing (GD&T), optical comparators and practices and setups as applied in industry.

*Recommendation*

Prerequisite: Machine Tool Technology 46 or Machine Tool Technology 101abcd with a minimum grade of C in prerequisite or equivalent

In this course, students will study the principles and operation of machine tools with an emphasis on advanced manufacturing processes and machines, such as Electrical Discharge Machines (EDM), water abrasive jet machines, and grinding machines. Additional topics will include abrasives, coordinate measuring machines, advanced precision measurement, Geometric Dimensioning and Tolerancing (DG & T), optical comparators and practices and setups as applied in industry.

**COURSE REVIEW; CHANGES IN COURSE LENGTH, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation), CATALOG DESCRIPTION**

1. Computer Aided Design/Drafting 37abcd – Advanced CATIA Functions

*Current Status/Proposed Changes*

Course length: ~~9 weeks~~ Full-Term

~~Prerequisite~~ Recommended Preparation: ~~one semester of Computer Aided Design/Drafting 31abcd with a minimum grade of C or equivalent~~

This course covers wireframe and surface functionality using CATIA\* software. Advanced Three Dimensional (3D) Surface models are created , manipulated, analyzed and rendered. Additional instruction covers hybrid design utilizing solid and surface 3D models. (\*CATIA is a registered trademark of Dassault Systems.)

*Recommendation*

Course length: Full-Term

Recommended Preparation: Computer Aided Design/Drafting 31abcd

This course covers wireframe and surface functionality using CATIA\* software. Advanced Three Dimensional (3D) Surface models are created , manipulated, analyzed and rendered. Additional instruction covers hybrid design utilizing solid and surface 3D models. (\*CATIA is a registered trademark of Dassault Systems.)

**COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation),**

*Current Status/Proposed Changes*

1. Electronic and Computer Hardware Technology 120 – Semiconductor Circuits I  
~~Prerequisite~~ Recommended Preparation: Electronic and Computer Hardware Technology 110 11 or equivalent ~~with a minimum grade of C~~

*Recommendation*

Electronic and Computer Hardware Technology 120 – Semiconductor Circuits  
Recommended Preparation: Electronic and Computer Hardware Technology 110 or equivalent

*Current Status/Proposed Changes*

2. Electronic and Computer Hardware Technology 122 – Semiconductor ~~Circuits II~~  
Power Devices  
~~Prerequisite~~ Recommended Preparation: Electronic and Computer Hardware Technology 120 11 or equivalent ~~with a minimum grade of C~~

*Recommendation*

Electronic and Computer Hardware Technology 122 – Semiconductor Power Devices  
Recommended Preparation: Electronic and Computer Hardware Technology 110 or equivalent

**COURSE REVIEW; CHANGES IN CONDITIONS OF ENROLLMENT (Prerequisite, Corequisite, Recommended Preparation, or Enrollment Limitation), CATALOG DESCRIPTION; DISTANCE EDUCATION UPDATE**

1. Nutrition and Foods 11 – Nutrition

*Current Status/Proposed Changes*

Recommended Preparation: ~~eligibility for~~ English 84 A

This course is an introduction to the basic principles of nutrition as they relate to the health and physical wellness of individuals. The topics covered include macronutrients, micronutrients, diet and health, weight management, nutrition throughout the life cycle, dietary analysis, current nutrition trends, food safety, and physical fitness.

*Recommendation*

Recommended Preparation: English A

This course is an introduction to the basic principles of nutrition as they relate to the health and physical wellness of individuals. The topics covered include

macronutrients, micronutrients, diet and health, weight management, dietary analysis, current nutrition trends, food safety, and physical fitness.

## **COURSE REVIEW; CHANGES IN DESCRIPTIVE TITLE, CATALOG DESCRIPTION**

### *Current Status/Proposed Changes*

1. Welding 40abcd – Gas Tungsten Arc Welding (GTAW), ~~Gas Metal Arc Welding (GMAW)~~

In this course, students will develop manipulative skills using the Gas Tungsten Arc Welding (GTAW) ~~and Gas Metal Arc Welding (GMAW)~~ processes on ferrous and non-ferrous alloys. Emphasis is placed on the requirements for certification in accordance with American Welding Society (AWS) D.17.1:2001, specifications for Fusion Welding for Aerospace Applications. ~~(formerly Mil Standard 1595A Qualification of Aircraft, Missile and Aerospace Fusion Welders.)~~

### *Recommendation*

Welding 40abcd – Gas Tungsten Arc Welding (GTAW)

In this course, students will develop manipulative skills using the Gas Tungsten Arc Welding (GTAW) process on ferrous and non-ferrous alloys. Emphasis is placed on the requirements for certification in accordance with American Welding Society (AWS) D.17.1:2001, specifications for fusion welding for aerospace applications.

## **INACTIVATE COURSES**

1. Administration of Justice 140 – Basic Security Officer Training
2. Cosmetology 5ab – Evening Cosmetology Practicum
3. Fire and Emergency Technology 152 – Flashover Survival Training

## **MATHEMATICAL SCIENCES**

### **COURSE REVIEW**

1. Mathematics 160 – Calculus I for the Biological, Management and Social Sciences