

**Western Colorado Community College Curriculum Committee
Meeting Minutes
February 15, 2022
Via Zoom**

Members Present: Joseph Quesenberry, Jason Roberson, Denise McKenney, Wayne Smith, Karrie Stanfill, Carolyn Ferreira-Lillo, Gunny White

Guests Present: Josh Pertile, Justin Schmidt

Ex-Officio Members: Maggie Bodyfelt, Janel Davis, Morgan Bridge, Carrie Moore, Christi Hein, Tracie Seurer

Recording Secretary: Aaron Osborne

Chair Smith called the meeting to order at 3:32

I. Announcements

- A. Chair Smith reminded all that CIM is closed. Work can continue on curriculum proposals but no information can be entered into CIM until the Catalog publishes mid-summer.

II. Ex-Officio Reports

- A. Associate Vice President of Academic Affairs for Assessment and Accreditation

- 1. The AVPAA thanked all for their work on curriculum this year and the currency and relevancy provided by the submitted curriculum proposals.

- B. Registrar

- 1. None

- C. Financial Aid

- 1. None

- D. Library

- 1. Librarian Seurer thanked all for updates on the changes that occurred this year and asked the good communication continue.

- E. Catalog Description Reviewer

- 1. None

III. Curriculum Proposals

- A. Summary of committee actions and further details on curriculum proposals begins on page 3.

IV. Old Business

- A. None

V. Information Items

- A. Chair Smith stated that all proposals in CIM will work their way through the system and be addressed at Curriculum Committee over the next two meetings. Due to this meeting being postponed, WCCC Exec meets next week and the next WCCC Curriculum Committee Meeting is March 8th.

Adjournment:

Roberson moved to adjourn the meeting and Ferreira-Lillo seconded. With no objections, Chair Smith adjourned the meeting at 3:58.

Respectfully submitted,

Aaron Osborne

Effective Term - Summer 2022

Programs

The following is a summary: Additional information can be found on the individual curriculum proposals.

Proposal	Degree	Committee Action	Motion Second
1392: Construction Electrical	AAS	Program Modification - Approved	Roberson Stanfill
<p>WCCC CC Discussion: Replacing MATH 107 with MATH 108 will help reduce the drop and fail rate for ELCE 155. Additionally, MATH 108 is already used for mechatronics, a frequent double major for electrical construction students, and would help students that are taking both majors. Program hours increased from 63 to 64 hours due to change in math requirement. No other discussion.</p> <p>Change Item Description</p> <p>List all proposed changes to the program</p> <p>Justify each proposed modification to the program</p> <p>Describe discussions about this proposal within the department and outcomes</p>		<p>Departmental Justification</p> <p>1. Adding MATH 108 Technical Mathematics (4) 2. Removing MATH 107 Career Math (3) 3. Increased program hours from 63 to 64 credits due to change in math requirement.</p> <p>The changes that are being made were worked on by departmental faculty. Replacing MATH 107 with MATH 108 will include additional subjects that are useful in AC circuits. They include conversion between rectangular and polar coordinates, as well as impedance, current, and voltage equations. We believe this will help reduce the drop and fail rate for ELCE 155. Additionally, MATH 108 is already used for mechatronics, a frequent double major for electrical construction students, and would help students that are taking both majors. Because of the changes made to the AAS, we will also have to make changes to the certificate. Program hours increased from 63 to 64 hours due to change in math requirement. This math course will better prepare students for degree.</p> <p>The changes that are being made were worked on by departmental faculty. The changes that we are making will allow our students to have a better understanding of vector math, this process is used to calculate current, voltage and impedance in AC Fundamentals. The added benefit is the students that are doing a double major or decide to switch to mechatronics do not have to take a second math class.</p>	
1316: Construction Electrical	TCT	Program Modification - Approved	Roberson Stanfill
<p>WCCC CC Discussion: Replacing MATH 107 with MATH 108 will help reduce the drop and fail rate for ELCE 155. Additionally, MATH 108 is already used for mechanics, a frequent double major for electrical construction students, and would help students that are taking both majors. Program hours were increased by one hour from 29 hours to 30 hours due to change in math requirement. No other discussion.</p> <p>Change Item Description</p> <p>List all proposed changes to the program</p>		<p>Departmental Justification</p> <p>1. Adding MATH 108 Technical Mathematics (4) 2. Removing MATH 107 Career Math (3) 3. Increase program hours from 29 to 30 credits due to change.</p>	

Justify each proposed modification to the program

The changes that are being made was worked on by Josh, Jesse, and I. Replacing MATH 107 with MATH 108 will include additional subjects that are useful in AC circuits. They include conversion between rectangular and polar coordinates, as well as impedance, current, and voltage equations. We believe this will help reduce the drop and fail rate for ELCE 155. Additionally, MATH 108 is already used for mechanics, a frequent double major for electrical construction students, and would help students that are taking both majors. Because of the changes made to the AAS, we will also have to make changes to the certificate. Program increased by one hour from 29 hours to 30 hours due to change in math requirement. Math 108 will better prepare students for success in the program.

Describe discussions about this proposal within the department and outcomes

The changes that are being made were worked on by departmental faculty. The changes that we are making will allow our students to have a better understanding of vector math, this process is used to calculate current, voltage and impedance in AC Fundamentals. The added benefit is the students that are doing a double major or decide to switch to mechatronics do not have to take a second math class.

**1391: Electric Lineworker AAS Program Modification - Stanfill | Roberson
Approved**

WCCC CC Discussion: ELCL 140L and ELCL 120 were removed for overlapping material in ELCL 132L and ELCL 125. Credit hours were updated in ELCL 132L and ELCL 125 to accommodate deeper hands-on learning. Program hours increased from 62 to 64. Adjustments were made to the available restricted electives to allow for more flexibility in student scheduling. Plan of Study updated to reflect course, hours, and sequencing changes. No other discussion.

Change Item Description Departmental Justification

List all proposed changes to the program

1. Delete ELCL 140L Underground Procedures Lab | 2. Delete ELCL 120 Fundamentals of Electricity | 3. Hours increased from 2 to 4 on ELCL 125 and ELCL 132L. | 4. Program hours reduced from 64 to 62. | 5. More course options added to Restricted Elective choices. The following courses are to be added: ABUS 102, ABUS 160, BUGB 231, FLAS 111, GEOL 100, GEOL 105, MANG 201, and TSTG 220. MANG 121 is being removed from Restricted Electives. | 6. Supply costs added. | 7. Plan of study changed.

Justify each proposed modification to the program

1. ELCL 140L deleted due to overlapping content with ELCL 132L. | 2. ELCL 120 deleted due to overlapping content with ELCL 125. | 3. Hours changed on ELCL 125 and ELCL 132L from two to four hours to accommodate increased hands-on and deeper level experiential learning. | 4. Program hours decreased from 64 to 62 due to course deletions. | 5. More courses added/deleted to Restricted Elective choices to allow flexibility in student scheduling and ensure students are taking courses that will complement the degree. | 6. Supply costs added to inform students of all costs of the program. | 7. Plan of Study changed to delete two courses and change hours, sequencing of courses revised.

Describe discussions about this proposal within the department and outcomes

Discussed and approved by Dept and WCCC Fall 2021.

1381: Electric Lineworker TCT Program Modification - Stanfill | Roberson Approved

WCCC CC Discussion: ELCL 140L and ELCL 120 were removed for overlapping material in ELCL 132L and ELCL 125. Credit hours were updated in ELCL 132L and ELCL 125 to accommodate deeper hands-on learning. Program hours decreased from 38 to 36. Supply costs increased. First aid/CPR is now covered in ELCL 137L and no longer requires a separate statement. No other discussion.

Change Item Description	Departmental Justification
List all proposed changes to the program	1. Delete ELCL 140L Underground Procedures Lab 2. Delete ELCL 120 Fundamentals of Electricity 3. Hours increased from 2 to 4 on ELCL 125 and ELCL 132L. 4. Program hours decreased by two credit hours due to deletion of above courses. Program decreased from 38 to 36 hours. 5. Supply costs increased in Program Specific Requirements. 6. First Aid/CPR certification removed from Program Specific Requirements.
Justify each proposed modification to the program	1. ELCL 140L deleted due to overlapping content with ELCL 132L. 2. ELCL 120 deleted due to overlapping content with ELCL 125. 3. Hours changed on ELCL 125 and ELCL 132L from two to four hours to accommodate increased hands-on and deeper level experiential learning. 4. Program hours decreased by two credit hours due to deletion of above courses. Program is now at 36 hours, down from 38 hours. 5. Supply costs increased to 2600 due to increase in supply costs. 6. First Aid/CPR is now covered under 137L with a specific electrical focus and no longer needed as a separate statement.
Describe discussions about this proposal within the department and outcomes	Discussed and approved by Dept and WCCC Fall 2021.

1165: Gerontology: Behavioral and Cognitive Care TCT Program Modification - Roberson | Quesenberry Approved

WCCC CC Discussion: Credit hours reduced from 24 to 15. Courses that are too broad for the certificate's focus were removed. Added GRNT 246 as it adds content and depth. Course sequence updated to reflect changes. Student learning outcomes were revised. No other discussion.

Change Item Description	Departmental Justification
List all proposed changes to the program	1. Reduce required credit hours from 24 to 15. 2. Remove the following courses: GRNT177, GRNT181, GRNT240, GRNT247, GRNT294, GRNT299. 3. Add the following course: GRNT 246 Aging and Mental Health. 4. Update recommended course sequence to reflect changes. 5. GRNT 175 increasing from 2 credits to 3. 6. Revise Student Learning Outcomes.

Justify each proposed modification to the program

1. Certificate needs a narrower focus on behavioral/cognitive content with less hours so that there is more emphasis on needed content for the industry and allows more students to take the certificate. 24 hours was too many hours to add to the degree/major that the student was already pursuing. | 2. These courses are too broad for this specific certificate. This certificate will more specifically focus on the cognitive/behavioral aspects of memory care and mental health, involving both the health sciences and social sciences. | 3. This course (GRNT246) adds pertinent content and depth to this specific certificate. | 4. Recommended course sequence needs to display updated required courses for appropriate student progression. | 5. Extra credit hour allows for additional content time. | 6. Reducing the number of Student Learning Outcomes aligns with requirements for technical certificates.

Describe discussions about this proposal within the department and outcomes

1. Initially discussed reducing credit hours in Fall 2020; all faculty agreed with proposal Fall 2020. | 2. Multiple discussions Fall 2020-Spring 2021; all faculty agreed on which courses to remove from this certificate. | 3. Taught as a Special Topics course (Aging and Mental Health) for 3 semesters (Spring 2020/2021/2022), and all faculty concur its content is a vital component to this certificate. | 4. All faculty in agreement with sequencing and progression of courses as discussed Spring 2021 and finalized Summer 2021.

1398: Mechatronics

AAS

**Program Modification -
Approved**

Stanfill | Roberson

WCCC CC Discussion: Replacing TECI 163 with CSCI 110 to provide a better knowledge base open to more fields. Course sequence adjusted for CSCI 110 addition and when TECI 142 is recommended to be taken. No other discussion.

Change Item Description

Departmental Justification

List all proposed changes to the program

1. Adding CSCI 110 Beginning Programming (3) | 2. Removing TECI 163 Convergent Technologies (3) | 3. Changing when classes are being offered: TECI 142 Internet of Things: From Spring 1st year to Fall of 2nd year, and CSCI 110 Beginning Programming (3) to Spring of 1st year

Justify each proposed modification to the program

The changes that are being made were worked on by departmental faculty. Replacing TECI 163 with CSCI 110 replaces telecommunication information with an introductory programming class. Both classes will improve technical knowledge, but programming is more useful in the field and provides a better base knowledge for learning other technical fields than TECI 163. With these changes I needed to reorder when the classes are being offered. With the changes being made to the AAS, we will also have to make changes to the certificate.

Describe discussions about this proposal within the department and outcomes

The changes that are being made were worked on by departmental faculty. The change that we are making will allow our students to have a better understanding the fundamentals of programming. This process is used in ELCE 225, ELCE 222, ELCE 220. This will allow our students more job opportunity in industry.

Effective Term: Summer 2022

Courses

The following is a summary: Additional information can be found on the individual curriculum proposals.

Proposal	Committee Action	Motion Second
CUAR 150: Baking: Decorating and Presentation	Course Modification - Approved	Roberson Stanfill

WCCC CC Discussion: Correcting classification of the Type of Instructional Activity to Mixed Instructional Method to align course with classroom practice. Topical course outline and student learning outcomes added since this is the first time this course has been modified within the CIM system. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity:	Laboratory: Academic/Clinical	Mixed Instructional Method
Lab:	4.5	3
Total Contact Hours:	4.5	4
Lecture:		1
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		3750

CUAR 151: Intermediate Bread Preparation	Course Modification - Approved	Roberson Stanfill
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WCCC CC Discussion: Correcting classification of the Type of Instructional Activity from Lab: Academic/Clinical to Mixed Instructional Method in order to more accurately reflect the learning activities and preparation that make up the course. Topical course outline and student learning outcomes added since this is the first time this course has been modified within the CIM system. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity:	Laboratory: Academic/Clinical	Mixed Instructional Method
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Examines techniques and equipment used in the modern bakery to craft traditional and artisanal yeast breads using a variety of commercial and preferment/wild yeast leavening methods and production techniques.	Examination of techniques and equipment used in the modern bakery to craft traditional and artisanal yeast breads using a variety of commercial and preferment/wild yeast leavening methods and production techniques.
Lab:	4.5	3
Total Contact Hours:	4.5	4
Lecture:		1
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		3750

CUAR 153: Confectionaries and Petit Fours

Course Modification - Approved

Roberson | Stanfill

WCCC CC Discussion: Correcting classification of the Type of Instructional Activity from Lab: Academic/Clinical to Mixed Instructional Method in order to more accurately reflect the learning activities and preparation that make up the course. Topical course outline and student learning outcomes added since this is the first time this course has been modified within the CIM system. Course description changed to begin with a noun. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity: Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Laboratory: Academic/Clinical Introduces the art of advanced pastry skills utilized to craft specialty items such as chocolates, candies and confections, marzipan and pastillage sculpture, and petit fours.	Mixed Instructional Method Introduction to the art of advanced pastry skills utilized to craft specialty items such as chocolates, candies and confections, marzipan and pastillage sculpture, and petit fours.
Lab:	4.5	3
Total Contact Hours:	4.5	4
Lecture:		1
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		3750

CUAR 245: International Cuisine

Course Modification - Approved

Roberson | Stanfill

WCCC CC Discussion: Correcting classification of the Type of Instructional Activity from Lab: Academic/Clinical to Mixed Instructional Method to more accurately reflect the learning activities and preparation that make up the course. Revising course description to meet standards and more accurately reflect content of course. Removing CUAR 101 from prerequisites. It is redundant since CUAR 125 is listed as a prerequisite and already lists CUAR 101 as a prerequisite. Topical course outline and student learning outcomes added since this is the first time this course has been modified within the CIM system. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity: Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Laboratory: Academic/Clinical Introduces full meal preparation of a variety of international cuisines. Ethnic ingredients and meals from the Mediterranean, Latin America, Southeast Asia, India, China, and Japan will be introduced.	Mixed Instructional Method Development of advanced cooking skills involving the preparation of a variety of international cuisines. Emphasis is placed on identifying ingredients, preparation methods, customs, and styles of service that define various world cuisines.
Prerequisites:	CUAR 101, CUAR 125, and CUAR 129	CUAR 125 and CUAR 129
Lab:	4.5	3

Total Contact Hours:	4.5	4
Lecture:		1
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		3750

CUAR 262: Purchasing for the Hospitality Industry **Course Modification - Approved** **Roberson | Stanfill**

WCCC CC Discussion: Correcting classification of the Type of Instructional Activity from Lab: Academic/Clinical to Mixed Instructional Method in order to more accurately reflect the learning activities and preparation that make up the course. Adding CUAR 100 and CUAR 101 as prerequisites. Since students must handle foods and measure ingredients sent to other labs they need to have the appropriate training in sanitation and accurate measurement. Adding topical course outline and student learning outcomes to system. Revising course description per recommendation of reviewer. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity:	Laboratory: Academic/Clinical	Mixed Instructional Method
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Explores the purchasing, selection, and procurement of food and supplies in the hospitality industry.	Exploration of the purchasing, selection, and procurement of food and supplies in the hospitality industry.
Field/Studio/Other:	4.5	
Total Contact Hours:	4.5	4
Lecture:		1
Lab:		3
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		3750
Prerequisites:		CUAR 100 and CUAR 101

ELCL 132L: Electrical Distribution Theory II Laboratory **Course Modification - Approved** **Ferreira-Lillo | Stanfill**

WCCC CC Discussion: The credit hours were increased to allow more depth in the current content and students will have increased opportunities for more complex projects which will increase learning. The additional hours will continue to cover both above ground and underground distribution but at a deeper more hands-on level. The topical course outline and SLOs were added since this is the first time the course has been modified in CIM. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity:	Laboratory: Academic/Clinical	Lecture/Lab: Vocational/Tech

Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Lab component required for ELCL 132.	Installation and operation of protective equipment, transformer hookups, voltage regulation, hotstick maintenance, troubleshooting, and gloving from the pole and underground distribution.
Credit hours:	2	4
Lab:	3	
Total Contact Hours:	3	6
Field/Studio/Other:		6
Academic engagement minutes per term:		4500
Student preparation minutes for a term:		4500

ELCL 137L: Advanced Electrical Distribution Laboratory	Course Modification - Approved	Ferreira-Lillo Stanfill
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WCCC CC Discussion: ELCL 125 Job Safety Training added as a prerequisite since it is imperative for the hands-on component of this lab. Course Description changed to remove instructional activity and to meet curriculum guidelines. Instructional activity corrected from Lab: Academic/Clinical to vocational lab to reflect workplace activities of course. No other discussion.

Change Item Description	Old	New
Type of Instructional Activity:	Laboratory: Academic/Clinical	Lecture/Lab: Vocational/Tech
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Lab component required for ELCL 137.	Examination of meter safety, connector installation, street lighting, rubber cover up, and public relations.
Academic engagement minutes per term:		4500
Student preparation minutes for a term:		4500
Prerequisites:		ELCL 125

ELCL 140: Underground Procedures	Course Modification - Approved	Ferreira-Lillo Stanfill
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WCCC CC Discussion: Co-requisite changed since ELCL 140L was deleted. ELCL 140L removed to reduce content overlap with ELCL 132L. ELCL 132L added as more appropriate corequisite. Course Description changed to meet curriculum guidelines. No other discussion.

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Safety practices, terminology, fault finding, cable locating, switching procedure, installation of terminal devices, splicing, and transformer application. Five hours lecture, four hours laboratory per week.	Examination of safety practices, terminology, fault finding, cable locating, switching procedure, installation of terminal devices, splicing, and transformer application.

Corequisites:	ELCL 140L	ELCL 132L
Academic engagement minutes per term:		3000
Student preparation minutes for a term:		6000

ELCL 140L: Underground Procedures Laboratory	Course Inactivation - Approved	Roberson Ferreira-Lillo
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WCCC CC Discussion: Course inactivation because of overlap with ELCL 132L. ELCL 132L Electrical Distribution has always covered both above and below ground content and will receive increased credit hours to allow for deeper exploration of content and more hands-on opportunities for students. Eliminating ELCL 140L decreases program hours without eliminating any needed content since the content is already covered in ELCL 132L. No other discussion.

Change Item Description	Departmental Justification
Delete Proposal: No differences to report	This course is being deleted as there is overlap with 132L since both cover Electrical Distribution. Increasing the hours of ELCL 132L will allow for deeper exploration of content and more hands-on opportunities for students, and makes ELCL 140L no longer needed. Electrical Distribution has always covered both above and below ground content. Eliminating ELCL 140L decreases program hours without eliminating any needed content since the content is already covered in ELCL 132L.

GRNT 175: The Aging Mind	Course Modification - Approved	White Roberson
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WCCC CC Discussion: Increase hours from 2 credit hours to 3 credit hours. The extra hour allows for minor content additions as well as more in depth discussion of current content to the course. Changed course description to match focus of course. No other discussion.

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exploration of the convergence of gerontology and recent brain science. Presents novel and combinatorial interventions based on recent research on aging brains. Introduces the emerging array of sustainable approaches to engage, stimulate, and enhance older minds.	Exploration of biological processes and issues related to the aging mind of older adults. The course will focus on normal and pathological changes the brain undergoes as a result of the aging process, and how these changes impact behavior and function. Topics will include neurological mechanisms of memory loss as well as modifiable risk factors.
Credit hours:	2	3
Lecture:	2	3
Total Contact Hours:	2	3
Academic engagement minutes per term:		2250
Student preparation minutes for a term:		4500

GRNT 246: Aging and Mental Health Course Addition - Approved Roberson | Ferreira-Lillo

WCCC CC Discussion: Topics course with positive student feedback and enrollment. Adding as a required course for 1165 Gerontology: Behavioral and Cognitive Care (TCT) and as an elective for 1305 Gerontology Specialist (AAS). No other discussion.

Change Item Description

New Proposal: No differences to report

Departmental Justification

This course has been offered as a topics course twice already and its third time will be this Spring 2022. Student enrollment has been positive. We would like to add this as a required course for the TCT and as an elective for the AAS as shown above. The course will provide an integrative examination of mental health and aging from an interdisciplinary perspective, which is necessary knowledge for students pursuing the Behavioral and Cognitive TCT.