



Lassen Community College  
Curriculum and Academic Standards

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Notice of Regularly Scheduled Meeting  
December 6, 2016 - Tuesday  
3:00 PM  
HU 102 (TECC)

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**Call to Order @ 3:00pm**

**Members Present:**

Ms. Cheryl Aschenbach, Vice Chair  
Ms. Roxanna Haynes  
Ms. Susan Kelley-CSEA Alternate  
Mr. Chad Lewis  
Ms. Joesetta Mata  
Mr. Cory McClellan  
Ms. KC Mesloh  
Ms. Susan G. Mouck  
Ms. Christi Myers  
Ms. Fran Oberg  
Ms. Toni Poulsen  
Mr. Orlando Shannon  
Ms. Alison Somerville, Articulation Officer, Chair

**Members:**

Mr. Buck Bauer  
Mr. Jacob Hibbitts-ASB Representative  
Dr. Terri Armstrong Vice President of Academic Services/Athletic Director

**Guests:**

Mr. Omar Alhykhly  
Emily Broderick  
Mr. Chad Lawson  
Mr. Ross Stevenson

1. **Agenda Approval (Poulsen/Meyers: MSCU)**
2. **Approve Meeting Minutes: November 15, 2016 meeting (Aschenbach/Mesloh: MSCU)**  
Information only: November 1, 2016 Approved Minutes
3. **Action taken by Curriculum Subcommittee**
  - A. **CA 54, CA 55, CA 59, CA 57, CA 59 and COT 50**  
Reviewed for IPR with no recommended change

**B. CHEM 1A General Chemistry I**

Approved change in textbooks

Masterton & Hurley, "*Chemistry, Principles, & Reactions*", 7th edition, 2011, Cengage,

ISBN 9781111427108

Slowinski, Emil; Wayne Wosely, Robert Rossi "*Chemical Principles in the Laboratory*, 10<sup>th</sup> Edition, 2012, ISBN: 9780840048349

MCMurry et al, "*Chemistry*", 7th edition, 2016, Pearson, ISBN 13: 9780321943170

MCMurry et al, "*Laboratory Manual for Chemistry*", 7<sup>th</sup> Edition, 2016, Pearson, ISBN: 13: 9780133886627

Effective: Fall 2017

**C. CHEM 1B General Chemistry II**

Approved change in textbook

Masterton & Hurley, "*Chemistry, Principles, & Reaction*", 7th edition, 2011, Cengage.

ISBN 9781111427108

Slowinski, Emil; Wayne Wosely, Robert Rossi "*Chemical Principles in the Laboratory*: 10<sup>th</sup> Edition, 2012, Brooks & Cole, ISBN: 9780840048349

MCMurry et al, "*Chemistry*", 7th edition, 2016, Pearson, ISBN 13: 9780321943170

MCMurry et al, "*Laboratory Manual for Chemistry*", 7<sup>th</sup> Edition, 2016, Pearson, ISBN: 13: 9780133886627

Effective: Fall 2017

**D. CHEM 8 Introduction to Organic and Biochemistry**

Approved change in textbook

Bettelheim et al, "*General, Organic, and Biochemistry*", 10<sup>th</sup> edition; 2012, Brooks & Cole., ISBN: 13: 9781133105084

Bettelheim & Landesberg, "*Laboratory Experiments for Introduction to General, Organic and Biochemistry*", 8<sup>th</sup> edition, 2013, Brooks & Cole; ISBN: 9781133106029

MCMurry et al, "*Fundamentals of General, Organic, and Biological Chemistry*", 8<sup>th</sup> edition; 2017, Pearson, ISBN: 13: 9780134015187.

Timberlake, "*Laboratory Manual for General, Organic, and Biological Chemistry*", 3<sup>rd</sup> edition, 2014, Pearson; ISBN: 13: 9780321811851

Effective: Fall 2017

**E. FS 4 Fire Protection Equipment and Systems**

Approved change in textbook

"*Fire Detection and Suppression Systems*", IFSTA, 3<sup>rd</sup> edition, 2005, Fire Protection Publications, Oklahoma State University, ISBN 0-87939-267-3

or ISBN 9780879392673

Jones, Maurice; *Fire Protection Systems*, 2<sup>nd</sup> edition, 2013, Jones & Bartlett, ISBN 978-1284035377  
Effective: Fall 2017

**F. FS 13 Fire Behavior and Combustion**

Approved change in textbook  
Shackelford, Ray, *Fire Behavior and Combustion Processes*; 1<sup>st</sup>, 2009, Cengage Delmar, ISBN:13:978-1-4018-8016-3  
Gann, Richard; *Principles of Fire Behavior and Combustion*, 4<sup>th</sup> edition, 2013, Jones & Bartlett, ISBN 978-0763757175  
Effective: Fall 2017

**G. MATH 8 Advanced Algebra**

Approved change in textbook.  
Sullivan & Sullivan, *College Algebra Enhanced with Graphing Utilities*, 4<sup>th</sup> edition., 2005, Pearson Education, Inc. Publisher, 2006, ISBN: 9780131491045  
Lial, Hornsby, Schneider, Daniels; *College Algebra*, 12<sup>th</sup> edition, 2017, Pearson Education, ISB# 9780134217451 for bound book or ISBN# 9780134313795 for e-book  
Effective: Spring 2017

**4. Action**

**A. AJ 16 Supervision in Law Enforcement (Aschenbach/Poulsen: MSCU)**

Approved assigning discipline of Administration of Justice  
Effective: Spring 2017 Pending Chancellor's Office approval

**B. Administration of Justice AA & CA (McClellan/Mesloh: MSCU)**

Approved adding AJ 16 Supervision in Law Enforcement to required electives  
Effective: Fall 2017

**C. BIOL 10 Natural History of Plants and Animals (Poulsen/Meyers: MSCU)**

Approved changes in objectives, content, assignments and remove textbook  
**Textbook**  
"A Sand County Almanac", Leopold, Aldo. Ballantine Books, 1966.  
Effective: Fall 2017

**D. BIOL 32 General Life Science (Poulsen/Meyers: MSCU)**

Approved changing title to General Biology, changes in objectives, content and textbook.

Campbell, Neil, Martha Taylor, Eric Simon, Jean Dickey, Kelly Hogan and Jane Reece, *Biology Concepts & Connections*, 8th edition, 2014, Pearson ISBN 978-0-321-88532-6

Campbell, Neil, Eric Simon, Jean Dickey, Kelly Hogan and Jane Reece, *Campbell Essential Biology (w/MasteringBiology Access) Edition: 6<sup>th</sup>, 2015,*

Pearson, ISBN: 9780321763334

Effective: Fall 2017

**E. BIOL 32L General Life Science with Laboratory (Aschenbach/Mesloh: MSCU)**

Approve change in title to General Biology with Laboratory, change units from 1.0 to 4.0, add 51 hours lecture, change description, remove corequisite BIOL 32, add recommended prep ENGL 105, add 2 SLO's, change in objectives, content, assignments and add textbook.

**Catalog description**

~~A laboratory section supporting the A~~ general survey of the living world with emphasis on the basic biological principles as illustrated in plant and animal groups. ~~This course includes a laboratory section supporting the basic concepts of the course. This course must be taken along with BIOL 32 – General Life Science.~~

**Textbook**

Campbell, Neil, Eric Simon, Jean Dickey, Kelly Hogan and Jane Reece, *Campbell Essential Biology (w/MasteringBiology Access) Edition: 6<sup>th</sup>, 2015*, Pearson, ISBN: 9780321763334

Effective: Fall 2017 pending Chancellor's Office approval

*Having the full BIOL 32 course with the lab will make it easier to teach the students. Right now Emily has two sections of BIOL 32 with some of the students taking the BIOL 32L and some are not so she cannot refer to what was done in the lab in her lecture. With the change Emily will be able to have all students with the lab in one section. This will still give the students the choice of taking the lab or not. This will not affect her load because she will still have two sections. Question was raised "Will the Chancellor's Office look at this course as a duplicate course because it has all the some content as BIOL 32?" No the lab added to the course is enough to make it a different course.*

**F. BUS 84 Business Mathematics (Aschenbach/Poulsen: MSCU)**

Approved assigning the disciplines of Business and Mathematics

Effective: Fall 2017

**G. CHEM 55 Introductory Chemistry (McClellan/Mouck with revisions to the description: MSCU)**

Approved new course. 4.0 units 51 hours lecture/51 hours lab

Recommended prep: 1 year of high school algebra

**Catalog Description**

This course is for students with no previous experience in high school chemistry or who need to refresh their chemistry background to qualify for CHEM 1A or CHEM 45. Both the philosophy and practice of laboratory chemistry will be pursued. The topics will include measurement, chemistry language, basic chemical law, chemical theories and basic chemistry processes.

Effective: Fall 2017 Pending Chancellor's approval

- H. CHEM 55 Introductory Chemistry (McClellan/Mouck: MSCU)**  
Approved assigning the discipline of Chemistry  
Effective: Fall 2017 Pending Chancellor's approval
- I. CHEM 1A General Chemistry I (McClellan/Shannon: MSCU)**  
Approved adding CHEM 55 as a prerequisite  
Effective: Fall 2017 pending Chancellor's Office approval of CHEM 55
- J. CHEM 45 Introduction to Chemistry (Mesloh/McClellan: MSCU)**  
Approved change in name to Introduction to Inorganic Chemistry, change in description and change in textbook.  
**Catalog Description**  
~~An introduction to chemistry,~~ **This is a survey course in the principals of inorganic chemistry. Including atomic theory, periodic properties, chemical bonds, stoichiometry, gas laws, kinetic and equilibrium, acids and bases, redox reactions, and thermodynamics.** ~~Emphasis is on basic concepts and skills. This course is recommended for students with no prior chemistry and is intended as preparation for major's chemistry, allied health, and or general education and preparation for major in chemistry~~  
**Textbook**  
~~Bettelheim et al, "General, Organic, and Biochemistry", 10<sup>th</sup> edition; 2012, Brooks & Cole., ISBN: 13: 9781133105084~~  
**MCMurry et al, "Fundamentals of General, Organic, and Biological Chemistry", 8<sup>th</sup> edition; 2017, Pearson, ISBN: 13: 9780134015187.**  
Effective: Fall 2017 Pending Chancellor's Office approval of CHEM 55
- K. CHEM 45 Introduction to Chemistry (Mesloh/McClellan: MSCU)**  
Approved adding CHEM 55 or 1 year high school chemistry as a prerequisite  
Effective: Fall 2017
- L. FS 53 Incident Command System (ICS 100) (Mesloh/Haynes: MSCU)**  
Approved new course. 0.5 units 8 lecture hours  
**Catalog Description**  
Interdiction to ICS  
This course is an introduction to ICS, basic features of ICS, incident commander and command staff function, general staff functions, facilities, and common responsibilities. It provides a foundation upon which to enable entry-level personnel to function appropriately in the performance of incident-related duties. ICS 100 (I-100, IS-100, Q462)  
Effective: Spring 2017 Pending Chancellor's approval
- M. FS 53 Incident Command System (ICS 100) (Mesloh/Haynes: MSCU)**  
Approved assigning the discipline of Fire Technology  
Effective: Spring 2017 Pending Chancellor's approval
- N. FS 58 Introduction to Wildland Fire Behavior (S-190) (Aschenbach/McClellan: MSCU)**

Approved new course. 0.5 units 8 hours lecture

**Catalog Description**

This course provides instruction in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. S-190 is typically taught in conjunction with or prior to Basic Firefighter Training, S-130. It is designed to meet the fire behavior training needs of a firefighter type 2 (FFT2) on an incident as outlined in the PMS 310-1, Wildland Fire Qualification System Guide and the position task book developed for the position.

Effective: Spring 2017 Pending Chancellor's approval

**O. FS 58 Introduction to Wildland Fire Behavior (S-190)**

**(Aschenbach/McClellan: MSCU)**

Approve assigning the discipline of Fire Technology

Effective: Spring 2017 Pending Chancellor's approval

**P. FS 59 Confined Space Awareness (Aschenbach/McClellan: MSCU)**

Approved new course. 0.5 units 8 hours lecture

**Catalog Description**

This course will introduce fire service personnel to the codes that impact operations within confined spaces, the hazards of confined spaces, equipment and procedures required to deal with a confined space rescue safely and legally, basic operational positions, and their responsibilities as set forth by CAL-OSHA. A \$20.00 State Fire Marshall certificate fee is applied.

Effective: Spring 2017 Pending Chancellor's approval

**Q. FS 59 Confined Space Awareness(Aschenbach/McClellan: MSCU)**

Approved assigning the discipline of Fire Technology

Effective: Spring 2017 Pending Chancellor's approval

**R. FS 70 Dozer Boss S-232 (Aschenbach/McClellan: MSCU)**

Approved changing the name to Heavy Equipment Boss S-236

NWCG changed the name this year

Effective: Spring 2017

**S. FS 80 Firefighter Survival(Aschenbach/McClellan: MSCU)**

Approved new course. 1.0 unit 16 hours lecture

**Catalog Description**

This course will supply the student with a greater understanding of the need for situational awareness, firefighter survival skills, and the technical survival skills to help you avoid committing fatal errors on the fireground. Avoiding situations that could cause you to become lost, trapped, or injured is the best way to prevent tragedies at a fire scene. The Fire Fighter Survival course will aid in preventing fire fighter emergencies by teaching personnel to be resourceful when facing dangerous entrapment situations. There is a state certification fee of \$20.00.

Effective: Spring 2017 Pending Chancellor's approval

- T. FS 80 Firefighter Survival (Aschenbach/McClellan: MSCU)**  
Approved assigning the discipline of Fire Technology  
Effective: Spring 2017 Pending Chancellor's approval
- U. FS 81 Wildland Fire Fighter Safety and Survival(Aschenbach/McClellan: MSCU)**  
Approved new course  
**Catalog Description**  
This course is designed to look at wildland fire entrapments, their causes and what a firefighter can do to avoid them. Several topics will be looked at, discussed and studied in relation to near misses and entrapments in the wildland fire service. The emphasis will be on learning from history and understanding why fire entrapments occur and how they might be avoided using Office of the State Fire Marshall (OSFM) 4000 Policy. This is an OSFM class and there is a \$20.00 certificate fee.  
Effective: Spring 2017 Pending Chancellor's approval
- V. FS 81 Wildland Fire Fighter Safety and Survival (Aschenbach/McClellan: MSCU)**  
Approved assigning the discipline of Fire Technology  
Effective: Spring 2017 Pending Chancellor's approval
- W. FS 91 I-suite Incident Based Automation (Table Aschenbach/Mesloh: MSCU)**  
Approve new course. 1.5 units 24 hours lecture.  
**Catalog Description**  
I-suite is a data entry system used on wildland fire incidents. This course will teach students how to use the I-suite computer system. How to enter data online and interface with other data systems on a wildland fire incident.  
Effective: Spring 2017 Pending Chancellor's approval
- X. FS 91 I-suite Incident Based Automation (Table Aschenbach/Mesloh: MSCU)**  
Approve assigning the discipline of Fire Technology  
Effective: Spring 2017 Pending Chancellor's approval  
*Since this course is computer based should it be assigned to Computer Information Technology also? Chad stated that a person's only FSA is CIT they probably would not understand the fire science terminology. The instructor also needs to be at a certain level to satisfy the Forest Service requirements. Course was tabled to add the Forestry requirements in addition to Fire Technology being assigned.*
- Y. HO 3 Medical Terminology (McClellan/Lewis with minor revisions: MSCU)**  
Approved course for hybrid delivery  
**Hybrid Evaluation**

A combination of traditional classroom and online evaluations will be used, such as (1) Traditional Classroom: objective examinations and essay examinations, and (2) Online delivery: online quizzes, essay forum postings, chat rooms and discussion.

**Hybrid Delivery**

A combination of traditional classroom and online instruction will be utilized. 27 hours of class time will be dedicated to lecture and will be taught face-to-face by the instructor and the other 24 hours will be instructed online through the technology platform adopted by the District. Traditional class instruction will consist of, examinations, and group presentations. Online delivery will consist of participation in forum-based discussions and posts, web links, exams and online lectures.

Effective: Spring 2017

**Z. CSU, GE and IGETC Submissions (Aschenbach/ Meyers: MSCU)**

Approved submissions for December 2016.

Course	CSU GE Area	IGETC Area
Agr 10 Introduction to Animal Science	B2 & B3	5B w/lab
Agr 19 Introduction to Soil Science	B1 & B3	5A w/lab
Agr 20 Introduction to Plant Science	B3	5B w/lab
Art 13 Lettering Design/Typography	C1	
Art 16 Digital Layout: Designing for Publication	C1	
Art 23 Beginning Printmaking	C1	
Art 25 Computer Graphics	C1	
Art 43A Beginning Jewelry Hand Building	C1	
CARS 2 Career Exploration	E	
Engl 34 Studies in Poetry	C2	3B
Hist 14 World History, Beginning to 1500		3B
Hist 15 World History, 1500 to Present		3B
Hist 16 U.S. History	C2	3B
Hist 17 Post-Civil War – U.S. History	C2	3B

**AA. Office Administrative Assistant Certificate of Achievement (Mesloh/Haynes: MSCU)**

Approved change in title to Administrative Office Technician, adding and deleting courses.

**Certificate of Achievement Office-Administrative Office Technician Assistant**

**Total Units for the Certificate of Achievement: 24 18.5 Units**

Course No	Course Title	Units			
BUS 18	Records Management	3.0	CA 31	Computer Applications I	2.0
BUS 19	Office Procedures	3.0	CA 32	Computer Applications II	2.0
BUS 27	Business Communication	3.0	CA 52	Word Processing Applications for	
BUS 49	Business Work Experience	3.0		Business	3.0
BUS 78	The Customer Advantage	1.0	CA 60	Email and Calendar Applications for	
BUS 84	Business Math	3.0		Business	1.5
BUS 34A	Microsoft Word Beginning	3.0	COT 52	Keyboarding, Level 2	1.0
BUS 34B	Microsoft Word Advanced	3.0	COT 59	Business Machines: 10-Key	1.0

Effective: Fall 2017



5. **Discussion**

*Cheryl informed the committee that the AP5140 Disabled Student Program and Services that Curriculum Committees approved in October went to Senate and it didn't go well. It was decided the Senate would sort it out and bring the final document back for Curriculum Committee review.*

6. **Future Dates**

**Curriculum/Academic Standards Meeting 2016-2017 Schedule for First and Third Tuesdays at 3:00 PM in HU 102 (TECC)**

*Note: Additional meetings may be scheduled as needed.*

Spring  
Jan 17<sup>th</sup> & 31<sup>st</sup>  
Feb 21<sup>st</sup>  
March 7<sup>th</sup> & 21<sup>st</sup>  
April 4<sup>th</sup> & 18<sup>th</sup>  
May 2<sup>nd</sup> & 16<sup>th</sup>

7. **Information**

**Reminder:** The following instructional programs are due. Curriculum Review (course outlines) should be done early in the process.

**Instructional Program Reviews Due**

Agriculture – May 2014  
Human Services-Sept 2015  
Agriculture-Sept 2016  
Automotive Technology-Sept 2016  
Business-Sept 2016  
Child Development-Sept 2016  
Digital Graphic Design-Sept 2016  
Fine Arts- Sept 2016  
Humanities-Sept 2016

**Any Person Having Business Not on the Agenda**

**Adjournment (Shannon @ 3:35 pm)**

**Future Agenda**