Lassen Community College
Curriculum and Academic Standards

Notice of Regularly Scheduled Meeting
December 2, 2014 - Tuesday
3:00 PM
TECC (HU102)

Call to Order @ 3:00pm

Members Present:
Ms. Cheryl Aschenbach, Chair
Ms. Elizabeth Elam
Ms. Lisa Gardiner
Mr. Kory Konkol
Mr. Chad Lewis
Mr. Cory McClellan
Ms. Susan G. Mouck
Ms. Fran Oberg
Ms. Toni Poulsen
Dr. Tammy Robinson, Interim Vice President of Academic Services/Athletic Director
Ms. Alison Somerville, Articulation Officer, Vice Chair
Ms. Stephney Stuart

Members not present:
ASB Representative
Ms. KC Mesloh

Staff:
Ms. Susan Kelley, Instructional Services Technician

Guest:
Ms. Natalia McClellan

1. **Agenda Approval (Poulsen/Oberg: MSCU with the revision to add N. CA 32 to action and change the Math book changes to be effective Spring 2015)**

2. **Approve Meeting Minutes: November 18, 2014 meeting (Elam/Gardiner: MSC with 2 abstaining Konkol/McClellan)**
   Information only: November 4, 2014 Approved Minutes

3. **Action taken by Curriculum Subcommittee**

4. **Action**

   A. **AGR 12 Animal Health and Disease (Oberg/Poulsen: MSCU)**

      Approve new course

Catalog description:
Study of common livestock diseases and fundamentals of immunity; includes the livestock technician's role in promoting animal health and the foundation of disease control.
3 units
34 hours lecture/51 hours lab
Course Student Learning Outcomes
Upon completion of this course the student will be able to:
1. Identify common diseases and determine treatment and evaluate environmental factors that may have contributed to the disease and prevent spread.
Effective: Fall 2015

B. **AGR 12 Animal Health and Disease (Stuart/Konkol: MSCU)**
   Assign course to discipline of Animal Science
   Effective: Fall 2015

C. **AGR 19 Introduction to Soil Science (Gardiner/McClellan: MSCU with correction to check meets baccalaureate requirements box on new course proposal form)**
   Approve new course
   Catalog description:
   The study of soil, physical, chemical and biological properties. Soil classification, derivation, use, function and management; including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Laboratory topics include soil type, classification, soil reaction, soil fertility and physical properties
   3 units
   34 hours lecture/51 hours lab
   Course Student Learning Outcomes
   Upon completion of this course the student will be able to:
   1. Demonstrate a working ability to use soil taxonomy
   2. Explain water movement in soil and water holding capacity of soil.
   Effective: Fall 2015

D. **AGR 19 Introduction to Soil Science (Gardiner/McClellan: MSCU)**
   Assign to discipline of Agriculture.
   Effective: Fall 2015

   There was some discussion that maybe it should be added to Earth Science or Biology also. Consensus was that it should be left as it is.

E. **ED 2 Introduction to Elementary Classroom Instruction (Elam/Lewis: MSCU)**
   Approve for Online delivery.
   Effective: Fall 2015

   How is it an all lecture class if there is 45 hours of Lab required?
   The lab is done as a homework assignment (expected outside assignments.) It is also an all lecture class in C-ID.

F. **MATH 1A Analytic Geometry and Calculus I (McClellan/Poulsen: MSCU with correction in typo and keeping the prerequisites.)**
Approve change in Catalog description, course objectives and course content to be consistent with C-ID course descriptor.
Catalog Description: ~~Analytic geometry, functions and their graphs, limits, continuity, the derivative and its applications, and the integral~~. A first course in differential and integral calculus of a single variable: functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. Primarily for science, technology, engineering & math majors.
Effective: Spring 2015

We need to check to make sure ther are content review fors for Math 1A.

G. **MATH 1B Analytic Geometry and Calculus II (McCleelan/Poulson: MSCU with correction in typo and keeping the prerequisites.)**
Approve change in Catalog description, course objectives and course content to be consistent with C-ID course descriptor.
Catalog Description: Continuation of Math 1A. A second course in differential and ~~The~~ integral ~~:~~ calculus of a single variable: intergration, techniques of integration; ~~and applications, indeterminant forms and L'Hopital's Rule, improper integrals, sequences~~, infinite sequences and series, ~~vectors, parametric equations, and~~ polar and parametrice equations: applications of integration. Primarily for science, technology, engineering & math majors. ~~coordinates~~.
Effective: Spring 2015

We need to check to make sure ther are content review fors for Math 1B.

H. **MATH 40 Elementary Statistics (Elam/Somerville: MSCU with change textbook will be effective Spring 2015 and rewording.)**
Approve update to course objectives and content for C-ID approval and add the following textbook for online delivery:
Online Delivery
Triola, Mario, *Elementary Statistics*, 12th edition, 2012, Pearson Publishing, ISBN 978-0-321-83696-0.
MyMathLab access code, ISBN 978-0-321-19991-1 or MyStatLab access code, ISBN 978-0-321-69464-5. The MyMathLab or MyStatLab access code provides the student with access to the e-book for the class. OR
Textbook and access code as a package with ISBN 978-0-321-89023-8.
Effective: Spring 2015

Reword as follows:
Online Delivery
Required:
MyMathLab access code, ISBN 978-0-321-19991-1 or MyStatLab access code, ISBN 978-0-321-69464-5. The MyMathLab or MyStatLab access code provides the student with access to the e-book for the class: Triola, Mario, *Elementary Statistics*, 12th edition, 2012, Pearson Publishing.

Optional: The cloth bound textbook and access code may be purchased as a package with ISBN 978-0-321-89023-8; however, the e-textbook is available with purchase of MyMathLab or MyStatLab access code. The clothbound text book alone is ISBN: 978-0-321-89023-8

I. **MATH 60 Intermediate Algebra (Poulsen/McClellan: MSCU with change textbook will be effective Spring 2015 and rewording.)**
Approve Change in Textbook for online delivery only.
Online Delivery
Lial, *Intermediate Algebra*, 11th edition, 2012, Pearson Publishing, ISBN 978-0-321-71541-8.
MyMathLab access code, ISBN 978-0-321-19991-1. OR
Textbook and access code may be purchased as a package with
ISBN 978-0-321-76017-3 which also includes an e-book.
Effective: Spring 2015

Reword as follows:
Online Delivery
Required:
MyMathLab access code, ISBN 978-0-321-19991-1. The MyMathLab access code provides the student with access to the e-book for the class: Triola, Mario, *Elementary Statistics*, 12th edition, 2012, Pearson Publishing.

Optionally: The cloth bound textbook and access code as a package with ISBN 978-0-321-76017-3 which also includes the e-book access. The cloth bound textbook alone is ISBN: 978-0-321-71541-8

J. **MATH 102 Pre-Algebra (Poulsen/McClellan: MSCU with change textbook will be effective Spring 2015 and rewording.)**
Approve change in Textbook for online delivery only and remove optional books.
Online Delivery
Lial & Hestwood., "*Prealgebra*", 5th Edition, Pearson Publishing Co, ISBN 9780321845023
MyMath lab access code ISBN9780321199911 OR
Textbook and Access Code as a package ISBN 9780321900425
Effective: Spring 2015

Reword as follows:
Online Delivery
Required:
MyMath lab access code ISBN9780321199911. The myMath access code provids the student with access to the ebook for class: Lial & Hestwood., "*Prealgebra*", 5th Edition, Pearson Publishing Co.

Optionally: The clothbound Textbook and Access Code as a package ISBN 9780321900425. The clothbound textbook alone is ISBN: 9780321845023

K. MATH 103 Elementary Algebra(Poulsen/McClellan: MSCU with change textbook will be effective Spring 2015)
Approve change in Textbook for online delivery only
Online delivery
Lial, et. al., *Beginning Algebra*, 2012, 11th edition, Pearson Publishing, ISBN: 9780321673480
MyMath acess code ISBN 978032199911, acess code provides eBook OR
Textbook and access code as a package ISBN 9780321760142
Effective: Spring 2015

Reword as follows:
Online delivery
MyMath access code ISBN 978032199911. MyMath access code provides the student with access to the eBook for class: Lial, et. al., *Beginning Algebra*, 2012, 11th edition, Pearson Publishing.

Optionally : The clothbound Textbook and access code as a package ISBN 9780321760142. The clothbound textbook alone is ISBN: 9780321673480

L. CSU, GE and IGETC Submissons (McClellan/Gardiner: MSCU)
Approve submissions for December 2014.

Course	CSU GE Area	IGETC Area
Agr 10	B2, B3 (lab)	5B, 5C (lab)
Agr 20	B3 (lab)	5B,5C (lab)
Biol 32L	B3 (lab)	5C (lab)
Engl 22	C2	3B
PE 15	E	

M. Add HIST 14 and HIST 15 to LCC General Education Area C – Humanities (Somerville/Elam: MSCU)
Effective: Fall 2015

N. CA 32 Computer Applications II (Oberg/Poulsen: MSCU)
Add the discipline of Business to CA 32
Effective: Spring 2015

5. **Discussion**

A. **Proposal of two new degrees in Agriculture**

Associate in Science Degree in Agricultural Animal Science for Transfer
Total Units for the Associate in Science for Transfer Degree: 60 Units
Total Core Units: 20 Units
Required Core Units: 14

CHEM 1A	General Chemistry I	5 units
AGR 2	Agricultural Economics **OR**	3 units
ECON 11	Micro-Economics	3 units
AGR 10	Introduction to Animal Science	3 units

MATH 40	Elementary Statistics	3 units

Required Elective: 6 unit one from each area

Area 1: Animal Production

ARG 11	Beef Cattle Production	3 units
AGR 14	Equine Science	3 units

Area 2: Animal Heath

AGR 13	Feeds and Feedings	3 units
AGR 12	Animal Health and Disease	3 units

Completion of either the CSU General Education or IGETC Option 37-39 Units
Remaining Units to total 60 Units may be selected from courses numbered 1-49

Student Learning Outcomes:

Upon completion of the **Associates of Science Degree**, the student will be able to:

1. Evaluate common management practices for farm animal health and reproduction.
2. Evaluate a genetic data sheet and rank the animals for a given scenario.
3. Plan a ranch management calendar for major animal species.
4. Plan a breeding program to maximize maternal heterosis.
5. Balance a ration using least cost principles.
6. Evaluate an animal production operation evaluating all production practices.

Associate in Science Degree in Agricultural Business for Transfer

Total Units for the Associate in Science Degree for Transfer: 60 Units

Total Core Units: 21-23 Units

Required Core Units: 12-14

AGR 19	Soil Science **OR**	3units
CHEM 1A	General Chemistry I	5 units
AGR 2	Agricultural Economics	3 units
MATH 40	Elementary Statistics	3 units
ECON 10	Macro-Economics	3 units

Required Elective: 9 units

AGR 1	Agricultural Accounting	3 units
ARG 3	Introduction to Agricultural Business	3 units
AGR 10	Introduction to Animal Science **OR**	3 units
AGR 20	Introduction to Plant Science	4 units

Completion of either the CSU General Education or IGETC Option 37-39 Units
Remaining Units to total 60 Units may be selected from courses numbered 1-49

Student Learning Outcomes

1. Analyze and make business decisions based on a business model.
2. Make business decisions using supply and demand.
3. Effectively and efficiently use computer programs, including Word and Excel.
4. Demonstrate an understanding of accrual accounting.

B. **Associates in Arts Degree in Child and Adolescent Development for Transfer**

Total Units for the Associate in Arts for Transfer Degree: 60 Units

Total Core Units: 24 Units

Required Core Units: 9

CD 31	Child Development: Conception through Adolescents	3.0

PSY 1	Introduction to Psychology	3.0
MATH 40	Elementary Statistics	3.0

List A1 **Select 3 units from the following:**

ANTH 2	Cultural Anthropology	3.0
SOC 1	Introduction to Sociology	3.0
CD 12	Child, Family, and Community	3.0
SOC 3	Family Relations	3.0

List A2 **Take both courses for 6 units**

BIOL 32	General Life Science	3.0
PSY 18	Human Development: A Life Span	3.0

List A3 **Select 6 units from the following:**

CD 25	Teaching in Diverse Society	3.0
CD 19	Children's Nutrition, Health and Safety	3.0
HUS 10	Introduction to Human Services	3.0
HLTH 25	Understanding Nutrition	3.0
ES 1	Ethnic Minorities in America	3.0

Completion of either the CSU General Education or IGETC Option 37-39 Units
Remaining Units to total 60 Units may be selected from courses numbered 1-49

Need SLO's
Do we limit the select 6 units to CD 25 &19?
Consensus to leave it as it is to give the students options.

C. **Associates in Arts Degree in Economics for Transfer**

Total Units for the Associate in Science for Transfer Degree: 60 Units
Total Core Units: 20-22 Units
Required Core 14 Units:

ECON 10	Macro-Economics	3.0
ECON 11	Micro-Economics	3.0
MATH 40	Elementary Statistics	3.0
MATH 1A	Analytical Geometry and Calculus I	5.0

Select 6-8 units:

MATH 7	Trigonometry	3.0
MATH 8	Advanced Algebra	3.0
ENGL 7	Argumentative Writing and Critical Thinking	3.0
ENGL 9	Critical Thinking and Composition	3.0
MATH 1B	Analytical Geometry and Calculus II	5.0
BUS 1A	Accounting principles- Financial	4.0
BUS 1B	Accounting Principles-Managerial	4.0
BUS 27	Business Communications	3.0

Completion of either the CSU General Education or IGETC Option 37-39 Units
Remaining Units to total 60 Units may be selected from courses numbered 1-49
Need SLO's.

D. **Peer review of distant education courses**

Cheryl showed the draft committee charge to the Faculty Union. They liked that it
was noted that this is a course review committee and not a faculty evaluation
committee. There is concern over the amount of work this will give to the faculty

members, but everyone understands that the review is necessary to better ensure academic quality in our distance education courses.
Move to action at next meeting.

6. **Future Dates**

   Committee decided to add a meeting for December 16, 2014.

   Curriculum/Academic Standards Meeting Schedule for First and Third Tuesdays at 3:00 PM in the TECC

   Note: Additional meetings may be scheduled as needed.
   Spring
   January 20
   February 3
   March 3 & 17
   April 21
   May 5

7. **Information**

   Community Service Course Painting for Personal Enrichment
   Proposed by Michael Giampaoli:
   Class will run from January 27-May 14, 2015.
   Cost to students will be $60.

   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-May 2015
   History/Social Science/Sociology/Psychology/Anthropology-May 2015
   Work Experience-May 2015
   Fire Technology- May 2015
   Gunsmithing-May 2015
   Welding-May 2015
   Vocational Nursing-May 2015

Any Person Having Business Not on the Agenda

Adjournment (Konkol/Mouck @3:55)

Future Agenda