DCC Agenda: 5/5/15

Passed this semester:

- Engr 1 – there will be a Transfer Model Curriculum for Engineering coming soon, so we may want to align with the C-ID. It seems we are missing one or two items in our Course Outline.
- Math 210 – did not fit into either C-ID, so we were able to keep it as is
- Math 190 – added L'Hopital's rule
- Math 40, 43, & 67 – removed inactivated Math 25

Curriculum Plans for Fall:

All CS courses – they are now considered CTE courses and need to be reviewed every 2 years. We should have reviewed more this semester, but I didn't realize that we needed to until it was too late.

CS 1 – We may need to meet with CCC leaders over the summer to work on this one. It keeps being returned for minor changes.

Committee D –Math 37 & Math 67

CM 1 – Math 270

CM 2 – Math 120 and Math 150 – Math 150 was conditionally approved for the C-ID, but there are many topics that need to be added to the Course Outline. It doesn't look like these are new topics, but they are not specifically stated.

CM 3 – None

Summer Math Academy – We will be meeting with CCC leaders over the summer to work on this.

Curricunet Training for New Faculty

I'm thinking about holding a workshop to help the new faculty (or anyone interested) with course reviews.

EL CAMINO COLLEGE
Mathematical Sciences
Division Curriculum Committee
May 5, 2015

Present: Carl Broderick, Greg Fry, Milan Georgevich, Anna Hockman, Lars Kjeseth, Marta Maaza, Trudy Meyer, Ambika Silva, Jacquelyn Sims, Satish Singhal

Passed this semester:

I. Engineering 1
   a. There will be a Transfer Model Curriculum for Engineering 1 coming soon, so we may want to align with the C-ID. It seems we are missing one or two items in our Course Outline.
   b. S. Singhal has agreed to be the Course Coordinator for Engineering 1 for fall 2015.
   c. M. Georgevich suggested that Engineering 1 not be a requirement, but an elective. He also suggested using a different introduction to engineering textbook.

II. Math 210
   a. Math 210 did not fit into either C-ID.
   b. It was voted and approved to keep Math 210 as is.

III. Math 190
   a. L'Hopital's rule was added.

IV. Math 40, 43, & 67
   a. Removed inactivated Math 25 as a prerequisite course.

Curriculum Plans for Fall:

I. All CS courses are now considered CTE courses and must be reviewed every two years.

II. At this time, all CS courses are up for review. This will be more like checkups, and not full course reviews. However, each CS course will need a full course review every six years.

III. Establishing CS classes as CTE opens the department up to more funding. It is also is a career tech field so many industry people will take courses as refreshers.

IV. CS 1
   a. M. Ghyam has been working on the curriculum for CS 1. It has been in the CCC queue for over a year and has been returned for minor changes. We may need to work with CCC on this over the summer.

V. Committee D
   a. Committee D has already started reviewing the curriculum for Math 37 & Math 67.

VI. CM 1
   a. G. Fry is working on the Math 270 curriculum.

VII. CM 2
   a. Math 150 was conditionally approved for the C-ID, but there are many topics that need to be added to the Course Outline. B. Mitchell and Z. Marks will work on Math 150 changes.
   b. CM 2 voted to do a Course Outline for Math 150 Honors before offering the class.

c. M. Granich is working on the Math 120 curriculum changes.

VIII. CM 3

a. None

IX. Summer Math Academy (SMA)

a. Currently working on two classes: Math 12 and Math 23/40.

b. A. Hockman will schedule a meeting with CCC leaders to work on the SMA curriculum.

X. CurricUNET Training for New Faculty

a. A. Hockman will possibly hold a workshop to assist new faculty with course reviews. L. Kjeseth is also available to help faculty with one-on-one assistance in regards to CurricUNET.

XI. Gateways to engineering

a. Currently, there are 10 students interested in the accelerated program, Gateways to Engineering.

XII. Committee D reviews may be complete before the fall semester begins.

XIII. The fall 2015 timeline has been posted on CurricUNET.

XIV. Course reviews have to be DCC approved and entered in CurricUNET by 10/5/15 and the next deadline is 11/2/15. A. Hockman will create a timeline of due dates.

XV. Math 165 has been approved by the Chancellor's Office.

a. Classes cannot be offered without the Chancellor's Office approval. In the past, they allowed us to offer the class pending their approval. Taking this into account, the curriculum timeline will need to be adjusted for new courses.

b. A. Hockman will be CCC rep for two more years.

Six-Year Course Review Cycle Worksheet

vision: Mathematical Scien	Department: Engineering	Faculty: Anna Hockman	Date: 5/4/2015	Semester/year of next Program Review:	
Total # of Course	2	Courses Requiring CCC Blanket Approval: (Special Topics, CWEE, and Independent Study courses)			

Course	Last Course Review	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		YEAR 6	
		FA 15	SP 16	FA 16	SP 17	FA 17	SP 18	FA 18	SP 19	FA19	SP 20	F 20	SP 21
Program	2013				P	P							
ENGR-1	2014-2015											X	
ENGR-9	2012-2013							X					

Division: Mathematical Sciences		Department: Mathematics				Faculty: Anna Hockman		Date: 5/4/15		Semester/year of next Program Review: See Table			
Total # of Courses:	31	Courses Requiring CCC Blanket Approval: (Special Topics, CWEE, and Independent Study courses)											
Course	Last Course Review	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		YEAR 6	
		FA 15	SP 16	FA 16	SP 17	FA 17	SP 18	FA 18	SP 19	FA19	SP 20	FA 20	SP 21
Blanket Approved													
MATH-50	INACTIVATED												
MATH-99	2014-2015											X	
Math - Developmental	Dec, 2012		P	P							P	P	
MATH-100	2014-2015									X			
MATH-10A	INACTIVATED												
MATH-10B	INACTIVATED												
MATH-12	2013-2014							X					
MATH-23	2012-2013							X					
MATH-25	INACTIVATED												
MATH-33-Compton	2011-2012				X								
MATH-37		X											
MATH-40	2014-2015					X							
MATH-43-Compton	2014-2015				X								
MATH-60	2013-2014												
MATH-67	2014-2015	X											
MATH-73	2012-2013							X					
MATH-80	2011-2012					X							
Math - Teachers	May, 2014						P	P					
MATH-110	2012-2013										X		
MATH-111-Compton	2012-2013										X		
MATH-115	2012-2013				X								
MATH-116	2011-2012				X								
Math - General Education	May, 2014						P	P					
MATH-120	2012-2013	X											
MATH-130	2014-2015											X	
MATH-140	2013-2014					X							
MATH-150	2013-2014	X											
MATH-160	2011-2012		X										
MATH-161	2011-2012			X									
MATH-165	2014-2015									X			
Math - Major Courses	May, 2012		P	P							P	P	
MATH-170	2014-2015									X			
MATH-180	2014-2015									X			
MATH-190	2014-2015												
MATH-191	2012-2013					X							
MATH-210	2014-2015												X
MATH-220	2014-2015												X
MATH-270	2009-2010	X											

Six-Year Course Review Cycle Worksheet

vision: Mathematical Sciences	Department: Computer Science	Faculty: Anna Hockman	Date: 2/18/2014	Semester/year of next Program Review:	
Total # of Cou: 11	Courses Requiring CCC Blanket Approval: (Special Topics, CWEE, and Independent Study courses)				

Course	Last Course Review	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5		YEAR 6	
		FA 15	SP 16	FA 16	SP 17	FA 17	SP 18	FA 18	SP 19	FA 19	SP20	F 20	SP 21
Blanket Approved													
CSCI-99abc	2014-2015											X	
CSCI-50	INACTIVATED												
Computer Science					P	P							
CSCI-1		X						X					
CSCI-10	INACTIVATED												
CSCI-12	2010-2011	X											
CSCI-16		X											
CSCI-2	2012-2013	X							X				
CSCI-3	2013-2014	X								X			
CSCI-30	2009-2010	X											
CSCI-4	INACTIVATED												
CSCI-40	2010-2011	X		X									
CSCI-60	INACTIVATED												

Your course Math 150 Elementary Statistics with Probability has been reviewed and has received a determination of conditionally approved. This determination means that your course outline aligned with some, but not all areas of the C-ID descriptor.

The course outline was close to receiving the requested designation, but the course is missing important elements or components. Below is a summary explaining the reasoning for this determination:

Does course Content meets requirements? Answer: No

Comment: The following required C-ID course content appears to be missing from the submitted course outline: levels/scales of measurement; Sample spaces and probability; Random variables and expected values; sampling distributions; t-tests for one and two populations, and applications using data from disciplines including business, social sciences, psychology, life science, health science, and education. (Note: applications must use data from all the listed disciplines.)

Course Objectives/Student Learning Outcomes meet requirements? Answer: No
Comment: It is unclear if the submitted course outline's course objectives/SLOs include the following required C-ID course objectives: distinguish among different scales of measurement and their implications; apply concepts of sample space and probability; identify the standard methods of obtaining data and identify advantages and disadvantages of each; calculate the mean and variance of a discrete distribution; calculate probabilities using normal and t-distributions; distinguish the difference between sample and population distributions and analyze the role played by the Central Limit Theorem; identify the basic concept of hypothesis testing including Type I and II errors; use linear regression and ANOVA analysis for estimation and inference, and interpret the associated statistics; and use appropriate statistical techniques to analyze and interpret applications based on data from disciplines including business, social sciences, psychology, life science, health science, and education.

Is the textbook appropriate? Answer: No
Comment: In keeping with established articulation policies, it is expected that at least one of the textbooks will have a publication date within seven (7) years of the course outline approval date. The publication date for the textbook listed in the submitted course outline of record is 2007.

Final Determination: Comment: After a complete review by the C-ID Math Reviewers (COREs), the submitted course Math 150, Elementary Statistics with Probability from El Camino College, is conditionally approved for the requested C-ID descriptor of Math 110. The submitted COR aligned with some of the areas of the C-ID descriptor. All required C-ID course objectives and content need to be clearly evident upon re-submission. The following required C-ID course content appears to be missing from the submitted course outline: levels/scales of measurement; Sample spaces and probability; Random variables and expected values; sampling distributions; t-tests for one and two populations, and applications using data from disciplines including business, social sciences, psychology, life science, health science, and education. (Note: applications must use data from all the listed disciplines.)

It is unclear if the submitted course outline's course objectives/SLOs include the following required C-ID course objectives: distinguish among different scales of measurement and their implications; apply concepts of sample space and probability; identify the standard methods of obtaining data and identify advantages and disadvantages of each; calculate the mean and variance of a discrete distribution; calculate probabilities using normal and t-distributions; distinguish the difference between sample and population distributions and analyze the role played by the Central Limit Theorem; identify the basic concept of hypothesis testing including Type I and II errors; use linear regression and ANOVA analysis for estimation and inference, and interpret the associated statistics; and use appropriate statistical techniques to analyze and interpret applications based on data from disciplines including business, social sciences, psychology, life science, health science, and education. Additionally, to be in keeping with established articulation policies, it is expected that at least one of the textbooks will have a publication date within seven (7) years of the course outline approval date. Therefore, the textbook needs to be updated. Should the course be revised based on the provided recommendations, that is, contain all the required topics and objectives of the descriptor, and then resubmitted, the C-ID designation of Math 110 will be awarded.

You have one year from today to update/revise your course based on this feedback and resubmit it for the requested C-ID designation. Thank you for submitting your course and please feel free to contact C-ID staff at (916) 445-4753 or info@c-id.net if you have any questions.
Best Regards,
C-ID Primary Reviewer