CYPRESS COLLEGE CURRICULUM COMMITTEE Tuesday, November 20, 2018 3:00 p.m.

MINUTES

(approved 11-27-18)

- **PRESENT:** Silvie Grote (chair), Allison Gotoh, Jane Jepson, Danny Lind, Marcus McMillan, Joyce Peacock, Jacquelyn Rangel, Kathleen Reiland, Ann Solis, Carlos Urquidi Kathleen McAlister (for LA), Marredda Williams (for HS)
- ABSENT: Mike Kasler, Joseph Melodia, Jane Walker
- **GUESTS:** Massoud Saleh, Nicole Ledesma, Holly Iris, Eldon Young, Christie Diep, Craig Goralski, Bryan Seiling, Kurt Augsburger
- Recorder: Terry Carpenter

Call to Order: by Silvie Grote at 3:05 pm

Establish Quorum and Acknowledge Alternates

Adoption of the Agenda: MSP

Approval of November 6, 2018 minutes: MSP 9-0-2

Public Commentary (3 minutes per speaker)

Eldon Young provided information regarding the new Advanced English Skills Lab course ENGL 010LC and the proposed revisions to ENGL 060 C and ENGL 100 C. These were discussed in the Language Arts Division due to the need for AB 705 compliance by Fall 2019. The curriculum was voted approved by the majority of the faculty. ENGL 057 C and ENGL 058 C are being eliminated.

Craig Goralski thanked the committee for all their work on curriculum. He asked for the following items to be considered when making a decision on the curriculum.

- 1) Is the Curriculum AB 705 compliant
- 2) Is it teachable
- 3) Does it serve students

Craig asked that the committee review the items as usual since they are the experts.

Bryan Seiling spoke about the faculty experts in their specific fields and asked the committee to listen to them. He mentioned the Fullerton curriculum has already been Board approved and the need for us to comply with AB 705. Bryan thanked everyone for all their hard work on the committee.

Christie Diep spoke about additional options for compliance to AB 705. She

prelaunched a new course yesterday, ENGL 101 C Enhanced College Writing, 5 units. Fullerton has this course approved along with a tutor in the classroom, for the semester. The cost and funds for this have not been determined.

Massoud Saleh thanked the committee for all their work on the ENGT courses and programs. He explained the new ENGT program and the CTE Strong Workforce funding. He described this new field in California, the market demand and provided a handout with all the statistics. The courses align with Chico and Channel Islands that is in the process of their certification.

Nicole Ledesma addressed the 4 new MATH skills courses. She thanked the committee for fast tracking the curriculum. MATH 010 C, MATH 015 C, MATH 020 C, MATH 024 C courses are being eliminating. MATH 040 C and MATH 041 C will still be taught.

Chair Report

Silvie indicated we do not have speakers scheduled for this meeting.

Jacky provided an update on the programs and certificates that have been approved and the status of the remaining submittals.

Silvie reminded the committee that the last Senate agenda had an item regarding the Curriculum process and the need for it to be re-examinded. She asked the Reps if they want to be responsible to bring this to their Divisions and report back or should it be handled in collaboration with the Department Chairs. Silvie would like them to let her know at the Curriculum meeting next Tuesday.

The DE Rubric that was discussed at our last meeting should be reviewed and shared with faculty and then it will be voted on next Tuesday.

Silvie attended the Fall Curriculum meeting that was hosted by Mount SAC last Saturday. AB 705 and Title 5 Regulations were discussed at this meeting and Silvie shared the slides with the committee.

Silvie asked the committee if they would like to suspend the Robert's rule of order regarding discussion and that we could have multiple for or against discussion instead. ACTION: MSP

ENGL 010LC – discussion:

- 1. students cannot be required to take pre level courses
- 2. looking into ENGL 101 as option for fall 2020, embedded tutor expense
- 3. content for the core exceeds the unit value of the course

MATH 011 C, MATH 012 C, MATH 013 C, MATH 014 C – discussion:

- 1. great model
- cut off GPA? Math will provide GPA guidelines that will be entered into the Requisite Analysis screen otherwise the college will use "default" guidelines provided by the state.

Other:

	NEW COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION	
ENGL 010LC Advanced English Skills Lab Units: .50 Lecture: 0 Laboratory: 1.50 ACTION: MSP 9-1-1	 * New Course * Prerequisite: Appropriate placement using current assessment process. * Corequisite: ENGL 100 C or ENGL 100HC * Hybrid only * Pass/No Pass * Credit – Not Degree Applicable 	20	This course requires one-on-one and low instructor/student ratio. Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis.	2019 Fall	This course is geared toward students who have basic skills needs such that they need additional support in order to succeed in a transfer-level English course.	
ENGT 103 C Introduction to Embedded Systems Units: 3 Lecture: 3 Laboratory: 1 ACTION: MSP	* New Course * Prerequisite: None * Distance Education and Hybrid * CSU Transfer	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Fall	New course for new AS degree program in Mechatronics, Robotics and Automation.	
ENGT 105 C Instrumentation and Process Control Units: 3 Lecture: 3 Laboratory: 1 ACTION: MSP	* New Course * Prerequisite: None * Distance Education and Hybrid * CSU Transfer	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Fall	New course for new AS degree program in Mechatronics, Robotics and Automation.	
ENGT 107 C Electricity and Electronics Units: 3 Lecture: 3 Laboratory: 2 ACTION: MSP	* New Course * Prerequisite: None * Distance Education and Hybrid * CSU Transfer	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Fall	New course for new AS degree program in Mechatronics, Robotics and Automation.	

Jacky is working on a contract for students to sign saying they do not want to take ENGL 100 C level and they want a lower level course.

ENGT 109 C	* New Course	25	Most of the time the	2019	New course for new AS
Industrial Design	* Prerequisite: None		students are engaged	Fall	degree program in
and Graphics	* Distance Education		in practicing the		Mechatronics, Robotics
Units: 4	and Hybrid		skill(s) they are		and Automation.
Lecture: 3	* CSU Transfer		learning and the		
Laboratory: 3			instructor gives each		
			student individual		
			instruction as the		
ACTION: MSP			class proceeds.		
ENGT 115 C	* New Course	25	Most of the time the	2019	New course for new AS
Electric Motors and	* Corequisites:		students are engaged	Fall	degree program in
Controls	ENGT 103 C and		in practicing the		Mechatronics, Robotics
Units: 3	ENGT 107 C		skill(s) they are		and Automation.
Lecture: 3	* Distance Education		learning and the		
Laboratory: 1	and Hybrid		instructor gives each		
	* CSU Transfer		student individual		
			instruction as the		
ACTION: MSP			class proceeds.		
ENGT 120 C	* New Course	25	Most of the time the	2019	New course for new AS
Mechanical Systems	* Corequisites:		students are engaged	Fall	degree program in
Units: 3	ENGT 103 C and		in practicing the		Mechatronics, Robotics
Lecture: 3	ENGT 105 C		skill(s) they are		and Automation.
Laboratory: 1	* Distance Education		learning and the		
	and Hybrid		instructor gives each		
	* CSU Transfer		student individual		
ACTION. MCD			instruction as the		
ACTION: MSP			class proceeds.		
ENGT 125 C	* New Course	25	Most of the time the	2019	New course for new AS
Hydraulic and	* Corequisites:		students are engaged	Fall	degree program in
Pneumatic Systems	ENGT 103 C and		in practicing the		Mechatronics, Robotics
Units: 3	ENGT 105 C		skill(s) they are		and Automation.
Lecture: 3	* Distance Education		learning and the		
Laboratory: 1	and Hybrid		instructor gives each		
	* CSU Transfer		student individual		
ACTION: MSD			instruction as the		
		0.7	class proceeds.	2010	
ENGT 150 C	* New Course	25	Most of the time the	2019	New course for new AS
Digital	* Corequisites:		students are engaged	Fall	degree program in
Fundamentals and	ENGT 103 C and		in practicing the		Mechatronics, Robotics
PLC Programming	ENGI 10/ C * Distance Education		skill(s) they are		and Automation.
Units: 4	* Distance Education		instructor gives each		
Lecture. 4	* CSU Transfor		atudant individual		
Laboratory: 2			instruction of the		
ACTION: MCD			alass proceeds		
ACTION: MSP			class proceeds.		

ENGT 160 C	* New Course	25	Most of the time the	2019	New course for new AS
Industrial Data	* Corequisites:		students are engaged	Fall	degree program in
Network and HMI	ENGT 103 C and		in practicing the		Mechatronics, Robotics
Units: 3	ENGT 150 C		skill(s) they are		and Automation.
Lecture: 3	* Distance Education		learning and the		
Laboratory: 1	and Hybrid		instructor gives each		
	* CSU Transfer		student individual		
			instruction as the		
ACTION: MSP			class proceeds.		
ENGT 210 C	* New Course	25	Most of the time the	2019	New course for new AS
Principles of	* Corequisite:		students are engaged	Fall	degree program in
Robotics Systems	ENGT 103 C		in practicing the		Mechatronics, Robotics
Units: 3	* Distance Education		skill(s) they are		and Automation.
Lecture: 3	and Hybrid		learning and the		
Laboratory: 1	* CSU Transfer		instructor gives each		
			student individual		
			instruction as the		
ACTION: MSP			class proceeds.		
ENGT 225 C	* New Course	25	Most of the time the	2019	New course for new AS
Robot and	* Corequisites:		students are engaged	Fall	degree program in
Automation	ENGT 150 C and		in practicing the		Mechatronics, Robotics
Programming	ENGT 160 C and		skill(s) they are		and Automation.
Units: 4	ENGT 210 C		learning and the		
Lecture: 3	* Distance Education		instructor gives each		
Laboratory: 3	and Hybrid		student individual		
	* CSU Transfer		instruction as the		
ACTION: MSP			class proceeds.		
ENGT 240 C	* New Course	25	Most of the time the	2019	New course for new AS
Advanced Robotics	* Corequisites:		students are engaged	Fall	degree program in
Units: 3	ENGT 109 C and		in practicing the		Mechatronics, Robotics
Lecture: 3	ENGT 225 C		skill(s) they are		and Automation.
Laboratory: 1	* Distance Education		learning and the		
	and Hybrid		instructor gives each		
	* CSU Transfer		student individual		
			instruction as the		
ACTION: MSP			class proceeds.		
ENGT 250 C	* New Course	25	Most of the time the	2019	New course for new AS
Industrial	* Corequisites:		students are engaged	Fall	degree program in
Maintenance and	ENGT 115 C and		in practicing the		Mechatronics, Robotics
Safety	ENGT 120 C and		skill(s) they are		and Automation.
Units: 3	ENGT 125 C		learning and the		
Lecture: 3	* Distance Education		instructor gives each		
Laboratory: 1	and Hybrid		student individual		
	* CSU Transfer		instruction as the		
ACTION: MSP			class proceeds.		

ENIGE ALL G		25		2010	NI C AG
ENGT 255 C	* New Course	25	Most of the time the	2019	New course for new AS
Integrated	* Corequisite:		students are engaged	Fall	degree program in
Automation Systems	ENGT 160 C		in practicing the		Mechatronics, Robotics
Units: 3	* Distance Education		skill(s) they are		and Automation.
Lecture: 3	and Hybrid		learning and the		
Laboratory: 1	* CSU Transfer		instructor gives each		
			student individual		
ACTION: MSP			instruction as the		
			class proceeds.		
ENGT 265 C	* New Course	25	Most of the time the	2019	New course for new AS
Manufacturing	* Corequisite:		students are engaged	Fall	degree program in
Operation	ENGT 109 C		in practicing the		Mechatronics, Robotics
Management	* Distance Education		skill(s) they are		and Automation.
Units: 3	and Hybrid		learning and the		
Lecture: 3	* CSU Transfer		instructor gives each		
Laboratory: 1			instruction of the close		
ACTION: MSP			nroceeds		
ENGT 200 C	* New Course	25	Most of the time the	2010	New course for new AS
Industry 4.0 HoT	* Corequisites:	23	students are engaged	2019 Fall	degree program in
Digitalization	FNGT 255 C and		in practicing the	1 all	Machatronica, Pohotica
Uniter 2	ENGT 255 C and		skill(s) they are		and Automation
Units. 5 Lastura: 2	* Distance Education		learning and the		and Automation.
Lecture: 5	* Distance Education		instructor gives each		
Laboratory: 1	alla Hydria		student individual		
ACTION. MCD	* CSU Transfer		instruction as the class		
ACTION: MSP			proceeds.		
MATH 011 C	* New Course	30	Class time focuses	2019	This course is needed
Skills for Finite	* Prerequisite:		on individualized	Fall	for AB 705
Math	Appropriate		instruction, student		implementation.
Units: 2	placement		presentation time,		
Lecture: 2	* Corequisite:		and/or group		
Laboratory: 0	Concurrent		learning.		
	enrollment in				
	MATH 115 C				
	* Distance Education				
	and Hybrid				
ACTION: MSP	* Pass/No Pass				
MATH 012 C	* New Course	30	Class time focuses	2019	This course is needed
Skills for	* Prerequisite:		on individualized	Fall	for AB 705
Probability and	Appropriate		instruction, student		implementation.
Statistics	placement		presentation time,		
Units: 2	* Corequisite:		and/or group		
Lecture: 2	Concurrent		learning.		
Laboratory: 0	enrollment in		-		
	MATH 120 C				
	* Distance Education				
	and Hybrid				
ACTION: MSP	* Pass/No Pass				

MATH 013 C	* New Course	30	Class time focuses	2019	This course is needed as
Skills for Survey of	* Prerequisite:		on individualized	Fall	a corequisite to Math
Calculus	Appropriate		instruction, student		130 C to support
Units: 2	placement		presentation time,		underprepared students
Lecture: 2	* Corequisite:		and/or group		who will enroll directly
Laboratory: 0	Concurrent		learning.		in Math 130 C as a
	enrollment in				result of AB 705.
	MATH 130 C				
	* Distance Education				
	and Hybrid				
ACTION: MSP	* Pass/No Pass				
MATH 014 C	* New Course	30	Class time focuses	2019	This course is needed
Skills for College	* Prerequisite:		on individualized	Fall	for AB 705
Algebra	Appropriate		instruction, student		implementation.
Units: 2	placement		presentation time,		
Lecture: 2	* Corequisite:		and/or group		
Laboratory: 0	Concurrent		learning.		
	enrollment in				
	MATH 141 C				
	* Distance Education				
	and Hybrid				
ACTION: MSP	* Pass/No Pass				

REACTIVATED COURSES						
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION	
MATH 045 C Intermediate Algebra Review Units: 2 Lecture: 2 Laboratory: 0	* Catalog Description Update * Prerequisites revalidated * Distance Education and Hybrid * Pass/No Pass * Credit – Not Degree Applicable * TOPS & CIP Codes changed * Textbook Update * Student Learning Outcomes	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2019 Fall	This course is needed for AB 705 Implementation	

REVISED COURSES						
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION	
ENGL 060 C College Writing Preparation Units: 4 Lecture: 4 Laboratory: 0	* Outline Update * Catalog Description Update * Schedule Description Update * Prerequisite removed * Advisory language added * Grading Option changed to Pass/No Pass/Letter Grade Option * FSA C60 Reading added * Student Learning Outcomes * Textbook Update	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Fall	Outline, catalog, schedule, and textbook updated to better reflect course content.	
ENGL 100 C College Writing Units: 4 Lecture: 4 Laboratory: 0 ACTION: MSP	* Outline Update * Catalog Description Update * Prerequisite changed * Advisory: ENGL 010LC added * Student Learning Outcomes * Textbook Update	27	Evaluation mostly through writing assignments with a minimum of 6000- 8000 words. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2019 Fall	Outline, catalog, and textbook updated to better reflect course content.	
ENGL 100HC Honors College Writing Units: 4 Lecture: 4 Laboratory: 0 ACTION: MSP	 * Outline Update * Catalog Description Update * Prerequisite changed * Advisory: ENGL 010LC added * SAM code changed * Student Learning Outcomes * Textbook Update 	20	The Cypress College Honors Advisory Group recommends a maximum of 20 students for a seminar-style honors course to allow for in-depth class discussion and student presentations.	2019 Fall	Outline, catalog, and textbook updated to better reflect course content.	

KIN 128 C Yoga-Intermediate Units: .50-1 Lecture: 0 Laboratory: 1.50-3 ACTION: MSP	* FSA M35 Coaching added	30	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Spring	FSA was omitted during the last review
KIN 129 C Vinyasa Yoga Units: .50-1 Lecture: 0 Laboratory: 1.50-3 ACTION: MSP	* FSA M35 Coaching added	30	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Spring	FSA was omitted during the last review
KIN 130 C Yoga Units: .50-1 Lecture: 0 Laboratory: 1.50-3	* FSA M35 Coaching added	30	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Spring	FSA was omitted during the last review
KIN 131 C Restorative Yoga Units: .50-1 Lecture: 0 Laboratory: 1.50-3 ACTION: MSP	* FSA M35 Coaching added	30	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Spring	FSA was omitted during the last review
KIN 132 C Hatha Yoga Units: .50-1 Lecture: 0 Laboratory: 1.50-3 ACTION: MSP	* FSA M35 Coaching added	30	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2019 Spring	FSA was omitted during the last review

NEW DEGREES/CERTIFICATES							
DEGREE				EFF DATE	JUSTIFICATION		
Engineering Technology	Computer	Aided Design Certificate		2019 Fall	This is a new program		
reennoiogy	Required co	ourses are listed in suggested sequenc	e:	i un	skilled workforce in the		
			Units		field of advanced		
ACTION: MSP	ENGR102 C	Engineering Design Graphics	3		manufacturing and		
	ENGR110 C	Introduction to Engineering	3		automation		
	ENGR205 C	Advanced 3D Solid Modeling and Simulation	3				
	MATH142 C	Trigonometry	4				
	ENGR220 C	Programming and Problem-Solving in MATLAB	3				
		JL					
	Total Units		16				
Engineering Technology	Mechatron	ics and Industrial Automation Cer	2019 Fall	Mechatronics/Industrial Automation is designed to			
Teennology	Required co	ourses are listed in suggested sequenc	e:	1 411	prepare students for		
			Units		employment as entry-level		
ACTION: MSP	ENGT103 C	Introduction to Embedded Systems	3		technicians. The program		
	ENGT105 C	Instrumentation and Process Control	3		prepares students for careers in		
	ENGT107 C	Electricity and Electronics	3		the design, operation, and		
	ENGT109 C	Industrial Design and Graphics	4		automation systems focusing		
	ENGT115 C	Electric Motors and Controls	3		on the local industries that		
	ENGT120 C	Mechanical Systems	3		utilize these technologies, such		
	ENGT125 C	Hydraulic and Pneumatic Systems	3		production, fabrication, and		
	ENGT150 C	Digital Fundamentals and PLC Programming	4		logistics. This program focuses		
	ENGT160 C	Industrial Data Network and HMI	3		on the application of		
					electronics and computer		
	Total Units		29		automation systems, including		
					instrumentation and control,		
					industrial robotics, and process		
					emphasis is placed on project-		
					based learning facilitated by		
					significant laboratory work.		

Engineering	Robotics T	echnician Certificate	2019	The Robotics Certificate	
Technology	Required co	ourses are listed in suggested sequen	Fall	program provides a basic	
Technology ACTION: MSP	Required co ENGT103 C ENGT115 C ENGT120 C ENGT125 C ENGT210 C ENGT225 C ENGT240 C Total Units	Durses are listed in suggested sequen Introduction to Embedded Systems Electric Motors and Controls Mechanical Systems Hydraulic and Pneumatic Systems Principles of Robotics Systems Robot and Automation Programming Advanced Robotics	ce: Units 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Fall	program provides a basic foundation of industrial robotics and how they can be used in a plant or manufacturing system. The simulation software, integrated within the program emulates real- world robotics applications and employs the basic principles common to the vast majority of robots currently in use in the automation industry
					including Cartesian and SCARA designs.

REVISED DEGREES/CERTIFICATES							
DEGREE			EFF DATE	JUSTIFICATION			
Engineering Technology	Associate in Robotics &	n Science Degree in Mechatronics Automation	2019 Fall	Due to recent changes within the industry and to sustain the quest for			
ACTION: MSP	Must take the sequence (tota (additional 10)	required nine courses listed below in the s l of 29 units) plus choose one area of emp 12 units depending on emphasis selected)		leadership through the creation of an "innovation economy" changes made to			
			Units		the program in order to train		
	ENGT103 C	Introduction to Embedded Systems	3		future workforces in a		
	ENGT105 C	Instrumentation and Process Control	3		environment.		
	ENGT107 C	Electricity and Electronics	3				
	ENGT109 C	Industrial Design and Graphics	4				
	ENGT115 C	Electric Motors and Controls	3				
	ENGT120 C	Mechanical Systems	3				
	ENGT125 C	Hydraulic and Pneumatic Systems	3				
	ENGT150 C	Digital Fundamentals and PLC Programming	4				
	ENGT160 C	Industrial Data Network and HMI	3				
	Mechatronics and	Robotics Operator Emphasis:	1				
			Units				
	ENGT210 C	Principles of Robotics Systems	3				
	ENGT225 C	Robot and Automation Programming	4				
	ENGT240 C	Advanced Robotics	3				
	Mechatronics Syst	em Technician Emphasis:	Units				
	ENGT250 C	Industrial Maintenance and Safety	3				
	ENGT255 C	Integrated Automation Systems	3				
	ENGT265 C	Manufacturing Operation Management	3				
	ENGT290 C	Industry 4.0, IIoT, Digitization	3				
	Total Units		39 - 42				