

CREATE Meeting

MINUTES	SEPTEMBER 9, 2011	THE FACULTY CLUB, UCSB
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MEETING CALLED BY	Kathy Alfano
TYPE OF MEETING	Regular Monthly Meeting
FACILITATOR	Kathy Alfano
NOTE TAKER	Gabrielle Temple
ATTENDEES	A. Ainsworth, C. Akelian, K. Alfano, R. Alldredge, A. Buxamusa, J. Cascamo, E. Constantinescu, P. Foster, J. Galisky, K. Houser, V. Karnes, A. Lynch, L. McLaughlin, P. Parrish, J. Reese, A. Ross, B. Steveson, G. Temple, W. Walls

Agenda Topics

10:00 – 10:10	WELCOME INTRODUCTIONS	KATHY ALFANO
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DISCUSSION Kathy Alfano welcomed everyone and thanked everyone who could attend and reviewed the Agenda.

Each CREATE Member introduced themselves. New member in attendance: John Cascamo, Dean, Academic Affairs & Workforce & Economic Development at Cuesta College.

10:10 – 10:30	REVIEW OF CURRICULUM REPORTS FROM CREATE MEETING OF 8/12/2011	
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DISCUSSION **Patrick Foster, Santa Barbara City College:** Weatherization class closed due to low enrollment. Budget is a concern for his program as CTE programs have a low priority at colleges. He believes the press is not giving "green" good publicity within the community; need to focus on the larger picture. Many are missing key points.

Alan Ainsworth, Oxnard College: Energy Audit is being pitched as the next quick moneymaker. He fears that the auditors are not being educated properly but there is lots of enthusiasm for the program.

Brad Steveson, Cuesta College: This is the first semester for PV Installation and Green Tech. Enrollment is good for PV, enrollment is a little low for Green Tech but is not part of a pathway. He is involved with BPI program certification through the County. Program at Cuesta College is 4 weeks, \$375.00, to sit for test 2 weekends, is subsidized through the County and is non-credit.

Kristin Houser, College of the Canyons: The Fall Solar Technician Program has two sections; both are full with 70 students.

Larry McLaughlin, College of the Desert: He is working on Workforce Development in emerging fields at COD and with CTE on the Engineering Tech degree which is stackable.

Adnan Buxamusa, Cerro Coso Community College: He had a PowerPoint Presentation showing his visit to Laramie County Community College to see their model wind program.

Peter Parrish, College of the Canyons: Initially he gives students a broad information in his intro class then will split off to a more energy specific focus of solar. He is establishing an active recruiting process. Classes are for credit, stackable certificates are available with a long term goal of an AS degree in Renewable Energy. He brought two books to share with the group: **Renewable Energy** by Martin Kaltschmitt, Wolfgang Streicher, Andreas Wiese and **The National Academies': America's Energy Future: Technology and Transformation.**

Kathy Alfano: If you can get classes CSU certified and applicable to all majors, it can give you more enrollment. It can draw from all majors and students. If you get it through at one school; you can do it for most of the others. This helps greatly with articulation.

ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
Review BPI programs to see if classes meet requirements and pay stipends.	G. Temple	ASAP
PowerPoint Presentation, visit to Laramie County Community College, for Website. Release needed for video.	A. Buxamusa/J. Reese	ASAP

10:30 – 11:30	REPORTS ON SUMMER & FALL CREATE DELIVERABLES	CHRIS AKELIAN ALAN ROSS BRAD STEVESON BILL WALLS EUGEN CONSTANTINESCU	
DISCUSSION	<p>Chris Akelian, Cuesta College: Developing a solar monitoring curriculum, found there is not much information available. He is developing a test figure into the training. Developed a Programmable Logic Controllers class for existing Utility-scale class. Brought pictures of basic trainers which measures wind speed and temperatures; stands 6' by 4' when fully constructed. The main part of the training is the wiring; rated for 120 watts and putting out 270; enough to fire an inverter. There are overlaps in many areas including electrical and solar installation. Prog Logic Control – EET 228 is part of the Electrician Certification Courses.</p> <p>Alan Ross, Cuesta College: Created a workshop using MATLAB; demonstrates how to make the math more usable and relatable to renewable energy. He developed modules to be integrated into curriculum. Makes math interactive. Two of the modules have been completed. Math and technology instructors will be included. Focus groups are needed for the modules to determine their success. The plan is to offer the workshop at Cuesta College on November 18th. He plans to present at ASEE 2012 in San Antonio, Texas. Instructor workshops require intermediate algebra 2 and some trigonometry. Peter Parrish, John Galisky and Adnan Buxamusa to be participants of a sub-group.</p> <p>Brad Steveson, Cuesta College: Scott Greenaway and Brad attended the NABCEP training and passed the NABCEP exam sponsored by the Dept. of Energy. Currently working on lab set-up and curriculum for current course; staying a few weeks ahead of the students and making revisions as he goes. Next summer he will be more in tune with student needs and learning direction. He would love to see other curriculum; CTEC 284 – Intro to PV Systems.</p> <p>Larry McLaughlin asked if there is a way to leverage CREATE to supply training for industry. Kathy Alfano replied, AWEA has 14 sites and there are none in California. As far as equipment, insurance industry seems to be a good resource for used equipment. There is a need for real world equipment. NSF will not fund non-credit classes. Dept of Labor does help with non-credit programs. On the national level, the boot camps and non-credit specialized training needs to be tied to a credit program. A combo of non-credit and credit courses is a good way to keep industry interested. Viable short-term and long-term solutions are needed. Cohorts are expensive.</p> <p>Bill Walls, Merced College: Summer was spent corresponding with vendors and UC Merced, working on equipment orders, working with the PG&E Grant, upgrading the off grid system to wireless, working on solar safety for employees. He is working on arranging site visits.</p> <p>Eugen Constantinescu, Merced College: Attended the July 2011 HI-TEC Conference in San Francisco, a Faculty Development workshop on Festo Modular Production Systems (automation & communications) and went on a site visit in June. He is working on a Mechatronics Lab and MeLab trainer; making modifications to the trainers so students will be able to adapt and use them in the Mechatronics class. He would like to schedule a two day internship with local industries.</p>		
ACTION ITEMS		PERSON RESPONSIBLE	DEADLINE
Filming of Solar Monitoring.		J. Reese & C. Akeian	TBD
NABCEP Certification.		A. Buxamusa & J. Galisky	TBD
Construction and electrician curriculum will be sent to Gabie Temple.		B. Steveson	ASAP
11:30 – 12:00	WEBSITE TUTORIALS & UPDATES	JOHN REESE BOB ALLDREDGE	
DISCUSSION	<p>John Reese: The new Website is up; there have been only two previous CREATE Websites. More content is needed and items should be submitted on a <u>regular</u> basis.</p> <p>Bob Alldredge: He will get updated Nida information regarding the Coast Guard donations and the CREATE discount. John Galisky will place the order for Lompoc High School. Available on the Website: Module online training and online Electronics information. He has created a web-based calculator and a video for student instruction and he is available to help with electronics. Please relay to all feeder programs that CREATE has a mentor for Electronics. He is working on a project for the Website – “Convert”, online calculators for quick and easy metric conversion,</p>		
ACTION ITEMS		PERSON RESPONSIBLE	DEADLINE
Website content to John Reese.		All CREATE Members	ASAP
12:00 – 12:45	WORKING LUNCH		

12:45– 2:30	CROSS MAPPING CURRICULUM/ARTICULATION		GROUP
DISCUSSION	<ul style="list-style-type: none"> • What classes have a common core and articulate within the CREATE schools? • Prerequisites need to be equal. • Get all course outlines for the classes. • Take a look at the curricula. • How do we do the common skills? SLO's can be used. • NABCEP learning objectives are needed. • What are people changing or how are they changing what they are teaching? 		
	<ul style="list-style-type: none"> • Forum – need expertise for each person. • Course numbers that articulate to NABCEP. • List of CREATE members by specialty. • Have a collaborative group to help with specialization in developing programs. • For Solar is NABCEP entry – end result is covered in skills list. • Create an articulation chart. 		
ACTION ITEMS		PERSON RESPONSIBLE	DEADLINE
2:30 – 3:00	CREATE MEETING SCHEDULE: <ul style="list-style-type: none"> • TSW – January 9 – 12, 2012 • November CREATE Meeting • Focus Group – November • October CREATE Meeting 		GROUP
DISCUSSION	TSW – La Casa de Maria, Santa Barbara on January 9 – 12, Attendees: <ul style="list-style-type: none"> • Cuesta College – 6 • Cerro Coso – 7 • College of the Canyons – Peter Parrish • Porterville - ? • Industry - 1 		
	November 18 th CREATE Meeting: <ul style="list-style-type: none"> • Meeting and tours of labs at Cuesta College campuses, 10:00 to 3:00 <ul style="list-style-type: none"> ○ Quality Suites will be secured for attendees needing lodging Focus Group on November 19 at Cuesta – Alan Ross: <ul style="list-style-type: none"> ○ John Galisky + 4 high school instructors ○ Bill Walls ○ Adnan Buxamusa ○ Peter Parrish ○ Eugen Constantinescu – a maybe <ul style="list-style-type: none"> • Lunch at the golf course, a possibility or on Cuesta campus • Locations to be determined • \$100.00 stipend if attendee is not a CREATE member 		
	October 14 th CREATE Meeting <ul style="list-style-type: none"> • Regular meeting at The Faculty Club, UCSB • Agenda Items: <ul style="list-style-type: none"> ○ BPI – Peter Crabtree ○ Accounting Meeting – Ingrid Weeks ○ Safety – everyone bring what they have and best practices ○ Have first-aid kits and fire extinguishers ○ Blooms Taxonomy – get textbooks for CREATE Faculty (Valerie Karnes has) ○ Show how are we working together <ul style="list-style-type: none"> ▪ Working with vendors to get good pricing ▪ Collaborating 		
	KidWind – set up dates <ul style="list-style-type: none"> • Cerro Coso • Lompoc High School • College of the Desert • San Diego – possible regional event 		
ACTION ITEMS		PERSON RESPONSIBLE	DEADLINE
All names should be submitted for the TSW at the October CREATE Meeting		All	Oct. 14, 2011
Quality Suites room block for November Meetings.		M. Buterbaugh	ASAP

ACTION ITEMS <i>(CONTINUED)</i>		PERSON RESPONSIBLE	DEADLINE
Secure room for Focus Group.		A. Ross	ASAP
Check on purchasing Blooms Taxonomy for CREATE Members.		G. Temple	ASAP
Best Practices for safety.		K. Alfano	Oct. 14, 2011
3:00	MEETING ADJOURNED	KATHY ALFANO	