

**Mechanical Electrical Academic Consortium
Mechanical and Electrical Faculty Boot Camp**

Conference Agenda

Monday, April 9, 2007	
7:30 a.m. to 8:00 a.m.	Continental Breakfast & Welcome and Introductions <ul style="list-style-type: none"> • Introduction of instructors and training camp participants
8:00 a.m. to 9:50 a.m.	Electrical Lighting Systems <ul style="list-style-type: none"> • The varying types and uses of lighting systems are discussed along with color and motion
10:00 a.m. to 11:50 a.m.	Electrical Fundamentals <ul style="list-style-type: none"> • The foundations of electrical circuitry are presented
12:00 p.m. to 12:50 p.m.	Lunch
1:30 p.m. – 2:50 p.m.	Electrical Power Distribution <ul style="list-style-type: none"> • The distribution methods are presented in terms of the NEC along with the necessary switch gearing.
3:00 p.m. – 4:50 p.m.	Commercial / Industrial Electrical Systems <ul style="list-style-type: none"> • The concepts of the C/I systems and their components will be covered
Tuesday, April 10, 2007	
7:30 a.m. to 8:00 a.m.	Continental Breakfast
8:00 a.m. to 9:50 a.m.	Electrical Estimating and Scheduling <ul style="list-style-type: none"> • Fundamentals of electrical estimating and scheduling coordination and constructability as well as teaching and evaluating assignments for electrical construction course
10:00 a.m. to 11:50 a.m.	Mechanical Properties <ul style="list-style-type: none"> • The psychometric chart, properties of air, concepts about heat transfer, and heating and cooling load procedures will be covered
12:00 p.m. to 12:50 p.m.	Lunch
1:00 p.m. to 2:50 p.m.	Air Conditioning Systems and Components <ul style="list-style-type: none"> • Different types of HVAC systems
3:00 p.m. to 4:50 p.m.	Field Trip <ul style="list-style-type: none"> • Tour of Northern Arizona University's LEED Platinum ARD and New Laboratory Buildings
6:00 p.m. to 9:00 p.m.	Dinner
Wednesday, April 11, 2007	
7:30 a.m. to 8:00 a.m.	Continental Breakfast
8:00 a.m. to 9:50 a.m.	Testing & Balancing, Temperature Controls, and System Commissioning <ul style="list-style-type: none"> • Purpose of and procedures for testing and balancing, items measured and adjusted, controls, types of control systems, system commissioning, and the commissioning process
10:00 a.m. to 11:50 a.m.	Estimating Mechanical Construction <ul style="list-style-type: none"> • Fundamentals of mechanical estimating as well as teaching and evaluating assignments for mechanical construction estimating course
12:00 p.m. to 12:50 p.m.	Lunch
1:00 p.m. to 2:50 p.m.	Planning & Scheduling Mechanical Construction <ul style="list-style-type: none"> • Coordination issues, constructability, system evaluation, scheduling of resources as well as teaching and evaluating assignments for mechanical construction scheduling course
3:00 p.m. to 4:50 p.m.	Mechanical and Electrical Laboratory Exercises <ul style="list-style-type: none"> • Laboratory assignments will be shown that can be used to teach mechanical and electrical courses