

SIERRA COLLEGE

Final Review

Energy Instructor

www.energyinstructor.info



Lesson Plan

Week 14 May 03 - 05	NABCEP: Mechanical Design	
Week 15 May 10 - 12	NABCEP: Performance, <u>Maint</u> , Trouble Shooting Final Exam Review	
Week 16 May 17 - 19	Financial Project Presentation	Final Exam

Final weeks of semester.

Look at current semester calendar for correct dates!

Lesson Plan

- Performance, maintenance, troubleshooting
– Any Questions?
- Project – Any Questions?
- Final Exam Review

Final Exam Review

- 50 questions
- Same format as the midterm
- 50% midterm material / 50% rest of material
- Open notes on specific problems only
- Bring a working calculator and NEC tables
- Understand the math, don't memorize the numbers
 - You may see same word problems with new numbers
 - Remember to follow the units
 - Read the question and then read again

Final Exam Review

- **Topics**
 - All 10 of the NABCEP Learning Objectives
 - NABCEP practice exams
 - Watts Law, Ohm's Law, Energy/\$, series and parallel circuits
 - Four steps of designing off grid system
 - Conductors: Ampacity, derating, resistance, and voltage drop
 - Basic grounding concepts
 - Reading one-line diagrams
 - Rough framing
 - Projects – portable system design