

SIERRA COLLEGE
ESS34 ADVANCE PHOTOVOLTAIC SYSTEMS
FALL SEMESTER 2012 COURSE CALENDAR

Revised: 8/19/2012

Week	Lecture / Lab Topics	Comments
Week 1 Aug 21	Introduction Course Syllabus Safety Review	
Week 2 Aug 28	Conductors, ampacity PV Wiring NEC wiring issues	
Week 3 SEP 04, 8	Conductors, voltage drop Practice problems Rocklin campus install activities - Introduction	Saturday Session
Week 4 SEP 11, 15	Conduit NEC requirements Practical exercise Rocklin campus install activities – Site assessment	Saturday Session
Week 5 SEP 18	Site assessment review Site assessment exercise RG install activities	
Week 6 SEP 25, 29	System sizing Shading analysis String analysis Bill of materials Rocklin campus install activities	Saturday Session
Week 7 OCT 02	Electrical power supply and loads review Transformers	
Week 8 OCT 9, 13	Midterm Exam Rocklin campus install activities	Saturday Session

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Week 9 OCT 16	Midterm Exam review Commercial electrical rates Commercial PV equipment	
Week 10 OCT 23, 27	Permitting issues Rocklin campus install activities	Saturday Session
Week 11 OCT 30	System grounding review 10 hr OSHA training	
Week 12 NOV 06, 10	Maintenance and Troubleshooting review 10 hr OSHA training Rocklin campus install activities	Saturday Session
Week 13 NOV 13, 17	10 hr OSHA training Rocklin campus install activities	Saturday Session
Week 14 NOV 20	Performance measuring techniques 10 hr OSHA training	
Week 15 NOV 27, DEC01	Final Exam Rocklin campus install activities	Saturday Session
Week 16 DEC 04	Final Exam review Wrap-up	