

OGLALA LAKOTA COLLEGE
COURSE SYLLABUS & ADMINISTRATION
Fall 2013
Rebuilding the Lakota Nation through Education
Wounspe Ihuniyan Hci Lakota Oyate Kin Akta Ic'icakagapi Kte lo

Name of Course:	Advanced Electrical Theory	Course Number:	Elec. 233
Department:	Vocational Education	Credit Hours:	Three (yamni)
Location:	Piya Wiconi	Time & Day:	M 9-12 am
Instructor's Name:		Email:	
Phones:		Mobile:	
Office:	455-6080	Office Hours:	

Course Description: This course includes the study of transformers, generators, and power lines, and other advanced electrical topics. Students will be able to understand the power distribution industry from the standpoint of the Vocational Education Electrical Program. 3 credits

Required Text & Materials: Power Quality Measurement & Troubleshooting; American Technical Publishers

Descriptive Reading Load: As assigned

Lakota Perspective: This course will be taught using the Lakota perspectives. Students will be expected to respect the instructor, one another, and materials used. To be generous. Students will seek to advance their knowledge through fortitude (hard work) and willingness to learn new information and view points; display it by speaking up in front of the class (bravery), as well as showing work done on various projects. All of this is to be undertaken within a community environment of complete truthfulness, trust, and integrity.

COURSE OBJECTIVES: Students will be able to understand the power distribution industry.

COURSE REQUIREMENTS: (Cite all necessary required activities; example, attendance, class participation; excluding grading)

1. Arrive on time to class
2. Do assignments and/or homework as required
3. To be responsible for materials if you are absent
4. To take all exams as required on or before the required date.

EVALUATIONS AND MARKINGS:

Evaluations & Markings: Attendance is a crucial part your grade.

A = 90 - 100%	An average of 90% and above on daily assignments At least 90% accuracy on final exam.
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B = 80 - 89%	An average of 80% and above on daily assignments At least 80% accuracy on final exam.
C = 70 - 79%	An average of 70% and above on daily assignments At least 70% accuracy on final exam.
F = 69% and Below	on daily assignments 69% and below accuracy on final exam.

If you have a disability and are in need of assistance to successfully complete this class please contact the OLC Coordinator of Support Services, at 455-6040.

GOOD LUCK IN THIS COURSE AND IN THE FUTURE!

Topical Content

Week 1	Introductions; Go over syllabus; Explain grading system	
	Get Started	
Week 2	Unit 1	Production and Usage of Electricity
Week 3	Unit 2	Voltage and Current Measurements
Week 4	Unit 3	Power Characteristics
Week 5	Unit 4	Power Quality Problems
Week 6	Unit 5	Power Measurements
Week 7	Unit 6	Effects of Poor Power Quality
Week 8	Unit 7	Power Transmission and Distribution
Week 9	Unit 8	Building Distribution Systems
Week 10	Unit 9	Power Conditioning and Protection
Week 11-14	Labs	
Week 15	Final Exam	

Disclaimer:

Information contained in this syllabus was, to the best knowledge of the instructor, considered correct and complete when distributed for use at the beginning of the semester. However, this syllabus should not be considered a contract between Oglala Lakota College and any student. The instructor reserves the right to make changes in course content or instructional technique without notice or obligation.