

**OGLALA LAKOTA COLLEGE**  
**COURSE SYLLABUS & ADMINISTRATION**  
**Fall 2012**  
**Rebuilding the Lakota Nation through Education**  
**Wounspe Ihuniyan Hci Lakota Oyate Kin Akta Ic'icakagapi Kte lo**

**Name of Course:** Electrical Maintenance

**Course Number:** Elec 223

**Department:** Applied Science

**Credit Hours:** Three (yamni)

**Location:** Piya Wiconi

**Time & Day:** Tuesday 9-12

**Instructor's Name:** Allen High Hawk

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**Mobile:**

**Office:**

**Office Hours:** T-F 9-4

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**Course Description (Waunspe Oyakapi):** This course investigates the problems of an electrical complex and the probabilities of failure and maintenance methods to prevent them.

**Prerequisites:** Electrical Fundamentals I

**Required Text and Materials:** Electrical Equipment Maintenance, 3<sup>rd</sup> ed. Dennis Green: American

**Course Goal:**

**Learning Objectives (Wounspe Taku Unspepi Kte Kin He Le E):** Upon completion of this course students will be able to:

1. To understand the operating principles to different parts of systems
2. Develop troubleshooting skills in electrical maintenance
3. Perform tasks efficiently
4. To be familiar with different problems caused by various systems

**Assessment:** Vocational Education Department Individual Course Assessment (ICA) and other assesemtns as required

**Instructional Methodology:** **Example:** This course will be taught utilizing the online virtual campus format if directed to be online. If not online then the lecture-discussion format will be used with the use of case studies, cooperative learning (team building), graphic organizers and simulations.

**Course Rationale:** **Example:** This course exists to assist students in the basic formation of business knowledge which is a foundation for the remaining courses throughout the business program. Therefore, this course is designed and intended for the sophomore level. This course will provide you with the necessary foundation of business to assist in further success in your business courses.

**Homework:** Each student should expect to spend two (nunpa) to three (yamni) hours out of class on reading and homework assignments each week, for every hour of class time (each credit hour), in order to perform

satisfactorily. Therefore, if a course is three (yamni) credit hours you should spend approximately six (sakpe) hours outside of the course room on required readings and homework. However, every student differs in their individual skills, educational background, experience, capability and personal goals; so the amount of time you must dedicate to out of class work can vary significantly from this national average.

**Reading Load:** Example: Reading will include approximately one (wanji) to two (nunpa) chapters per week, plus handouts and homework as assigned.

### **Type & Amount of Writing Load:**

**Lakota Perspective Provided Through:** This course stresses **Wolakotakiciapi** of “learning Lakota ways of life in the community”. This course is based on the values of mutual respect and generosity (woohola na wochantognakapi), seeking to advance each individual’s knowledge through their continuing hard work (fortitude- wowalitake) and willingness to learn new information and viewpoints, as well as to demonstrate it, by speaking in front of the group (bravery-woohitike); all undertaken in an environment of complete truthfulness, trust, integrity and humility. We will do this by embracing the teaching of our ancestors as we learn new ways. (Waunspe wicakiyapi ki iglutanyan ihani unpi kun hena itan waunspe tokeca uha ayin kte.)

**Evaluation and Grading:** Example: Moderate writing is required. Homework may consist of mathematical computations in reference to finance. In addition, there will be exams, class exercises/quizzes that may include essay-type questions.

Homework (Assignment and Discussion Forums):	40% of your grade
Quizzes	30% of your grade
Chapter Tests (Mid-Term & Final: 50 questions each)	30% of your grade

- A = Superior Quality Work = Demonstrated concept mastery by scoring 90% or better.
- B = Good Quality Work = Demonstrated concept mastery by scoring 80-89%.
- C = Satisfactory Quality Work = Demonstrated concept mastery by scoring 70-79%.
- D = Marginal Quality Work = Demonstrated weak concept mastery by scoring 60-69%
- F = Demonstrated concept mastery below the acceptable mark of 59%, which is well below what may be required in the business world.

W = Withdrawal = A student may withdraw from a course by filling out a Drop Card to be recorded by the Registrar. The student must sign this form if you drop yourself. A Drop Card may/can be filled out and signed by a counselor/instructor for lack of attendance.

### **College Policy on Grading and Change of Grades:**

[http://www.olc.edu/~wwhitedress/studentervices/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/studentervices/Docs/OLC_Handbook.pdf) see page 9 and 10

**Course Requirements, Expectations or Students:** Because OLC offers classes in three-hour blocks once per week, (for everyone’s travel convenience), if you are absent from one OLC class session, it’s like missing three classes at another college. (See student handbook).

- Unannounced quizzes and graded in-class exercises will be given; content can include any course material assigned, up to and including the current session.
- Your homework assignments must be turned in on the dates due to get full credit.
- You are expected to participate in class discussion; this provides evidence of your interest in and preparation for the class. It also helps gauge the effectiveness of the instruction and everyone’s level of comprehension of the material presented. Most importantly, fellow class members benefit from your opinions and insights; in addition, the questions you ask may be about the same topic with which other students are having difficulty, so by helping yourself you also help them.

- If the Instructor is not present at the beginning of the class, and the College Center Staff has not heard from the Instructor, you should wait at least 30 minutes past the normal start-time and then if the Instructor has still not arrived, you may leave.

**Attendance and Tardiness**

[http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC_Handbook.pdf) see page 8

**Policies on Academic Honesty**

[http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC_Handbook.pdf) see page 43

**Standards of Conduct Policy**

[http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC_Handbook.pdf) see page 38

**ADA Policy**

[http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC_Handbook.pdf) see page 37

**Electronic Information Resources Acceptable Use Guidelines**

[http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/studentsservices/Docs/OLC_Handbook.pdf) see page 41

**Department Specifics:**



**TOPICAL CONTENT**

<i>Date</i>	<i>Objectives by Chapter</i>	<i>Assignments</i>
Oko Wanci 08/28/2012	Chapter 1: We are going to take a look at Preventive	List assignments with due dates for each one

(List the actual date each week)	Maintenance and troubleshooting techniques. Chapter 2: Safety. This chapter gives an in-depth look into safety procedures and protocols, codes and standards, personal protective equipment (ppe), lock outs and tag outs.	
Oko Nunpa	Chapter 3: Service and repair principles. This chapter does a brief overview of industrial maintenance principles. Chapter 4: Electrical Systems. This chapter gives a great insight into the vast world of Electrical Systems within industrial applications. I would advise students into paying special attention to all sub chapters.	List assignments with due dates for each one
Oko Yamni	Continuation of chapters 3 and 4 with a more in-depth look at its applications.	List assignments with due dates for each one
Oko Topa	Chapter 5:	List assignments with due dates for each one
Oko Zaptan	Chapter 6: Refrigeration Systems. This week's lesson deals with refrigeration, troubleshooting, regulations, and various cooling systems.	List assignments with due dates for each one
Oko Sakpe	Chapter 7: Boiling Systems. Students will prepare for the midterm exam.	List assignments with due dates for each one
Oko Sakowin	Midterm test.	List assignments with due dates for each one
Oko Saglogan	Chapter 9 & 10: Mechanical Systems and power systems.	List assignments with due dates for each one
Oko Nappinyunka	List the chapter or information being covered in this class period along with the individual objectives	List assignments with due dates for each one
Oko Wikcemna	List the chapter or information being covered in this class period along with the individual objectives	List assignments with due dates for each one
Oko Ake Wanci	List the chapter or information being covered in this class period along with the individual objectives	List assignments with due dates for each one
Oko Ake Nunpa	List the chapter or information being covered in this class period along with the individual objectives	List assignments with due dates for each one
Oko Ake Yamni	List the chapter or information being covered in this class period along with the individual objectives	List assignments with due dates for each one
Oko Ake Topa	List the chapter or information being covered in this class period along with the individual objectives	List assignments with due dates for each one
Oko Ake Zaptan	List the chapter or information being covered in this class period along with the individual objectives	

**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 techniques without notice or obligation. Students will be informed of any such changes. Additional student rights and responsibilities are outlined in the Student Handbook. [http://www.olc.edu/~wwhitedress/student-services/Docs/OLC\\_Handbook.pdf](http://www.olc.edu/~wwhitedress/student-services/Docs/OLC_Handbook.pdf)

