MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title:	**OSHA 10 and Wind Turbine Safety**	**Submitted By:**	**Dan Janisch**
Semester Course Prefix and Number:	**WET 1235**	**Approval Date:**	**Nov 2009**
Old Quarter Course Prefix and Number:		**Revision Date:**	

Number of Credits:	**1**	**Number of Lecture Credits:**	**1**
Semester(s) Offered: **Spring**		**Number of Lab Credits:**	**Number of Lab Hours:**
Class Size: **24**		**Number of Studio/Demonstration/Internship Credits:**	
Negotiated by AASC on: (date)			

Course Purpose Code:

_____ **0 –** Developmental Courses
_____ **1 –** Non-transferable, General Education
__X__ **2 –** Technical course related to career programs
_____ **3 –** College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
_____ **4 –** Other college course not considered a part of general education (MNTC) (e.g. computer science, health, physical education)
_____ **5 –** Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
_____ **9 –** Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This course will familiarize students with the safety aspects of an active wind energy project. An emphasis will be placed on safe work practices, behaviors and techniques specific to wind turbine construction, maintenance and operation. Topics will include risk management techniques, critical thinking associated with safety planning, creating a site safety plan and the OSHA 10 course.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): None
Reading Prerequisite:
Composition Prerequisite:
Mathematics Prerequisite:

Career Programs and Transfer Majors Accessing this Course:

Wind Energy Technology

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:
(Notes: No more than two goals may be met by any one course. Curriculum Committee review and the Chief Academic Officer's approval are required.)

0.	__X__	None	6.	_____	The Humanities and Fine Arts
1.	_____	Communications	7.	_____	Human Diversity
2.	_____	Critical Thinking	8.	_____	Global Perspectives
3.	_____	Natural Sciences	9.	_____	Ethical and Civic Responsibility
4.		Mathematical/Logical Reasoning	10.	_____	People and the Environment

5. ____ History and the Social and Behavioral Sciences

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

- Demonstrate a dedication to the educational process through active participation.
- Explain the basics of OSHA regulations and reporting.
- Be able to create a safety plan and think critically through situations regarding safety.
- Demonstrate knowledge of wind turbine safety gear and hazardous situations.

Student Assessment Methods:

Written assignments and tests.

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

PowerPoint, Web based research, Online delivery

Outline or Statement of Major Course Content:

- OSHA 10 Course.
- Identify hazards and risks associated with wind turbine work.
  - Create plans to minimize safety hazards and risks.
  - Associate safety gear with situations requiring it.
  - Think critically, i.e. problem solving in complex hazardous situations.
- Explore the requirements teaching others onsite to work safely and minimize risks.

Additional Special Information: (special fees, directives on hazardous materials, etc.)

None

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

None

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Administrative Office
Copies: Curriculum Committee Chair, AASC Chair, Transfer Specialist, Originating Faculty Member, Scheduler, Records, Student Services, Learning Center, Library
Revised: October 2009