MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title:	**Wind Turbine Project Management**	**Submitted By:**	**Dan Janisch**
Semester Course Prefix and Number:	**WET 2275**	**Approval Date:**	
Old Quarter Course Prefix and Number:		**Revision Date:**	

Number of Credits: 2	**Number of Lecture Credits: 1**	
Semester(s) Offered: Fall Second Year	**Number of Lab Credits:1**	**Number of Lab Hours:2**
Class Size: 25	**Number of Studio/Demonstration/Internship Credits:**	
Negotiated by AASC on: (date)		

Course Purpose Code:

_____ **0 –** Developmental Courses
_____ **1 –** Non-transferable
__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 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:

The course is designed to provide students with the opportunity to gain experience with tasks related to management and project management related to wind turbine construction and maintenance. Students will be exposed to scheduling and equipment loading, project costing, productivity, human resource management, pre-project planning, engineering and the review/RFI process, and other ancillary topics related to management activities associated with wind power.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):	First Year of Wind Program
Reading Prerequisite:	College Level Reading
Composition Prerequisite:	College Level Writing
Mathematics Prerequisite:	First Year of Wind Program

Career Programs and Transfer Majors Accessing this Course:

Wind Energy Technology, EIAT and IT students with instructor approval.

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. _____ None
1. _____ Communications
2. _____ Critical Thinking
3. _____ Natural Sciences
6. _____ The Humanities and Fine Arts
7. _____ Human Diversity
8. _____ Global Perspectives
9. _____ Ethical and Civic Responsibility

4. ____ Mathematical/Logical Reasoning
5. ____ History and the Social and Behavioral Sciences
10. ____ People and the Environment

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

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

1.) Perform basic scheduling and efficiency planning as relates to a wind project.
2.) Compile and evaluate project costs associated with construction or maintenance.
3.) Explain the engineering process and review associated with making changes to a construction project or an existing wind facility.
4.) Demonstrate some of the skills that can be used to effectively manage others.

Student Assessment Methods:
Written tests and quizzes. Report writing. Lab and outside of class assignments.

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

Email and Moodle. Guest speakers as applicable.

Outline or Statement of Major Course Content:

Management of a project, whether new construction or during maintenance activities.

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

None.

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

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
Revised: May 2009