MASTER COURSE OUTLINE

A. SMGT 1230 Planning and Project Management

B. COURSE DESCRIPTION:

This course focuses on tools for managing and controlling projects with definite beginning and ending points. Emphasis is on managing projects with many complex activities and dimensions, and/or many simultaneous activities. Students learn to construct and use several project planning and control tools such as Critical Path Method (CPM), Activity Flow Network, Slack Time calculation and Gantt charts. Student plan a relevant personal work project using these tools. This course is recognized as an Interstate Renewable Energy Council (IREC) ISPQ Accredited Training Program for curriculum covering the Job Task Analyses for Solar Photovoltaic (NABCEP).
(1 Cr – 1 lect, 0 lab)

C. **Core Theme: Critical Thinking

D. MAJOR CONTENT AREAS:

- Project management tools
- Critical Path Method (CPM)
- Activity Flow Network
- Slack Time calculations
- Gantt charts

E. GOAL TYPES, OBJECTIVES, AND OUTCOMES:

GOAL	**OBJECTIVES** **Students will be able to**	**OUTCOMES** **The student will successfully**
** Critical Thinking	analyze the logical connections among the facts, goals and implicit assumptions relevant to a problem or claim; generate and evaluate implications that follow from them.	1. explain the similarities and differences of specified projects.
CS	understand the differences between projects and ongoing management strategies.	1. interview and explain the characteristics of successful project managers.
CS	understand the need for purpose statements.	1. draft a purpose statement for a project.
CS	analyze characteristics of a project.	1. identify project characteristics.

CS	understand tasks needed for project implementation, completion and evaluation.	1. record and chart tasks for project implementation, completion, and evaluation.
CS	examine project management models.	1. select a management model and practice project. 2. estimate implementation and experience required for selected project and model. 3. draft anticipated management outcomes for selected project and model.
CS	apply planning tools to project management.	1. demonstrate use of steps such as work breakdown structures and Gantt charts.

F. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a disability and need accommodations should contact the instructor or the Student Success Center at the beginning of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

G. COURSE CODING INFORMATION:

Course Code A/Class Maximum 48; Letter Grade

Revision date: 10/25/12; 9/1/16
AASC Approval date: 9/20/16

***Riverland Community College Disciplines**	**MnTC Goal Number**
Communication (CM)	**1**
Natural Sciences (NS)	**3**
Mathematics/Logical Reasoning (MA)	**4**
History and the Social & Behavioral Sciences (SS)	**5**
Humanities and Fine Arts (HU)	**6**

****Riverland Community College Core Themes**	**MnTC Goal Number**
Critical Thinking (CT)	**2**
Human Diversity (HD)	**7**
Global Perspective (GP)	**8**
Ethical and Civic Responsibility (EC)	**9**

People and the Environment (PE)	**10**

*These five MnTC Goals have been identified as Riverland Community College Disciplines.
** These five MnTC Goals have been identified as Riverland Community College Core Themes.
NOTE: The Minnesota Transfer Curriculum "10 Goal Areas of Emphasis" are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.