Syllabus List of Learning Goals for Problem Solving and Decision Making

Version 1

COURSE OBJECTIVES:

Dillard College Learning Goals addressed in this course:

Problem Solving and Decision Making

1. **Problem Identification**
   a. Student identifies the problem.
   b. Student can state multiple facets of the problem.
   c. Student makes reasonable assumptions when needed.
   d. Student assembles relevant information.

2. **Explore Approaches/Tools**
   a. Student develops a selection guideline of approaches/tools.
   b. Student evaluates alternative approaches/tools.
   c. Student selects most pertinent information for use.

3. **Problem Solving**
   a. Student understands data/information in use.
   b. Student interprets charts or figures in context.
   c. Student comprehends concepts in context.
   d. Student conducts quantitative analysis needed.
   e. Student conducts qualitative analysis needed.
   f. Student derives correct solutions.

4. **Decision Making**
   a. Student draws correct conclusions about the solutions.
   b. Student has an action plan toward the solutions.
   c. Student acknowledges limitations of the solutions.
   d. Student provides risk analysis of the solutions.
Version 2

COURSE OBJECTIVES:

_Dillard College Learning Goals_ addressed in this course:

**Problem Solving and Decision Making**

1. **Problem Identification** – Describe the problem accurately and completely
   a. Explain the problem in detail, looking at the different facets of the problem.
   b. What assumptions need to be made?
   c. What uncertainties are embedded in the information?
   d. Assemble relevant information needed to identify the problem.

2. **Explore Approaches/Tools** – Consider tools, assumptions, and biases
   a. Consider various ways you might solve the problem. Do you need software or other tools? Will you need help?
   b. Evaluate alternative approaches to solving the problem, again, considering various individuals, tools or software that may be helpful.
   c. Select the most important information for use.
   d. Recognize and control for personal and group biases.

3. **Problem Solving** – Analyze the information
   a. Organize the information so it is clear to understand.
   b. Do additional research if needed.
   c. Take time to think about the information you have gathered thus far.
   d. Analyze the information.
   e. Go through any step or phase listed above, several times, if needed, to further understand and clarify the problem or to identify solutions.

4. **Decision Making** – Efficiently implement conclusions and direct strategic innovation
   a. Draw conclusions using reasonable guidelines for choosing among options.
   b. Acknowledge, explain, and monitor limitations of endorsed solution.
   c. Create an action plan for implementing solution.
   d. What risks and benefits exist with this solution?
   e. How can you assess the impact of your decision?