

MET 352 Engineering Design II
Department of Materials and Metallurgical Engineering
South Dakota School of mines and Technology

Lesson Plan

Class 2

1. Instructional Goal

The goals of this class meeting are to

- a) Present team and committee operation fundamentals
- b) Highlight individual differences within teams
- c) Introduce the concept of incomplete design problem statements
- d) Instill the need to properly phrase questions so they may be answered
- e) Define the term *Leader*
- f) Obtain individual student photos
- g) Develop rapport with the students by offering an instructor biographic sketch

2. Instructional Order

- Administer Short Response activity
- Distribute photo name tags and ask each student to submit their photo with the tag
- Offer a sketch of the instructor's background
- Define *leader* using slides
- Volunteering of disparate strengths within course members
- Present fundamentals of *team operations* using slides
- Classroom exercise of better defining incomplete design topic statements

3) Instructional Reference Materials

- [Leadership](#)
- [Setting Objectives](#)
- [Tips for Committee and Board Members](#)

4) [Short Response Question](#)

5) Handouts

- Design Project Topics: [incomplete statements exercise](#):
- Photo Name Tags (generated by Grades to Go or other means)
- [360 Leadership & Multipliers](#):

6) Video Presentations

None

7) In-Class Exercises: Making design topic statements into problem statements

8) Homework Assigned or handed out: [Homework Assignment #1](#) (in progress)

9) Course [website](#)

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10) Comments