

ENGR 150:
**INTRODUCTION TO HIGHER
EDUCATION FOR ENGINEERS**
WEDNESDAY, OCTOBER 7

Professor Ethan Lipton
FALL QUARTER 2009

TODAY'S AGENDA

Reading Assignment: Sections 1.1, 1.2, and 1.3

Problem Assignment: Acquire text

Acquire spiral notebook or binder for Journal
Chapter 1: Problems 1, 2, 3, 4, 9, and 10

Class Discussion: Keys to success in engineering study

Class Activities: The Name Game

Academic Skills Survey

Small group discussions—"ability" versus "effort"

PROBLEM ASSIGNMENT

Chapter 1:

Problems 1, 2, 3, 4, 9, and 10

Keys to Success in Engineering Study



CHAPTER OVERVIEW

- × You can do it!
- × What is “success”?
- × Goal setting
- × Strengthening your commitment
- × Keys to success in engineering study

YOU CAN DO IT!

- ✘ Poorly prepared students have succeeded
- ✘ Highly qualified students have failed
- ✘ What makes the difference?

WHAT IS SUCCESS?

Success is the achievement of something desired, planned, or attempted

GOAL SETTING

How can you ever expect to get somewhere if you don't know where you want to go?

- × **Goals give you something to measure yourself against**
- × **Goals give your life direction**
- × **Write down your goals**

STRATEGIES FOR STRENGTHENING YOUR COMMITMENT

- ✘ Clarifying your goals
- ✘ Learning as much as you can about engineering
- ✘ Prepare a roadmap
- ✘ Don't let adversity stop you

KEYS TO SUCCESS IN ENGINEERING STUDY

- × Effort
- × Approach
- × Attitude

KEYS TO SUCCESS IN ENGINEERING STUDY

✘ Effort

KEYS TO SUCCESS IN ENGINEERING STUDY

✘ Effort ⇒ Work Hard

KEYS TO SUCCESS IN ENGINEERING STUDY

✘ Approach

KEYS TO SUCCESS IN ENGINEERING STUDY

✘ Approach ⇒ Work Smart

KEYS TO SUCCESS IN ENGINEERING STUDY

✘ Attitude

KEYS TO SUCCESS IN ENGINEERING STUDY

✘ Attitude ⇒ *Think Positively*

KEYS TO SUCCESS IN ENGINEERING STUDY

- × Effort ⇒ *Work Hard*
- × Approach ⇒ *Work Smart*
- × Attitude ⇒ *Think Positively*

QUESTIONS/DISCUSSION



GROUP DISCUSSION EXERCISE

ABILITY VERSUS EFFORT

Divide into groups of five or six and discuss the following issue:

- ✘ *Do you believe that people succeed because of their ability?*
- ✘ *Do you believe some people “have it” while others don’t?*
- ✘ *Or do you believe that people succeed because of their effort?*
- ✘ *Which do you think is more important: ability or effort? Why?*

Select a group leader to keep the discussion on topic and a recorder who will report out for the group.

THE NAME GAME

- ✘ Form randomly into groups of six or seven.
- ✘ The first student introduces himself or herself (first and last name); the second student introduces the first student and then himself or herself; the third student introduces the first two students and then himself or herself. Continue until each student can introduce all students in the group.

SEE YOU NEXT CLASS . . .

Reading Assignment: Sections 1.4 and 1.3

Problem Assignment: Chap. 1: Problems 21, 22, 23, 24, 25, 26, 27 & 28

Guest Presenter: Dr. Raymond B. Landis
Dean Emeritus, ECST, CSULA

Class Discussion: Models for viewing your education
Structure your life situation
Assigned problems

Class Activities: ~~The Name Game~~
~~Small group discussion~~
~~Chap 1, Prob. 19 & report out~~