Practices of Modern Engineering

Educating the modern engineer

Higher Education is the only business where the customer wants to be cheated

Not any more

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Questions:

Gives us tips on presentations! More details, please! What will happen after presentations?

See SP11 class URL site for some examples. After presentations, class discusses content and format delivery of presentations. Other groups may follow up on your original content.

Practice makes perfect!

Recommend:
http://changethis.com/manifesto/show/1.ArtOfTheStart
Engineering Education in USA:

What is the American education system doing to increase interest in math & science in young kinds?

This issue is vital for our economy and future survival. Federal and state agencies recognize the problem, recommend solutions, but results are yet to be positive. It is also a political issue.

Learn more at

http://cew.georgetown.edu/undereducated
Question:

What % of engineers find jobs after graduation vs. other fields?

Where are the best jobs or places to work after graduating?

Will show information from TAMU Career Center

You will have opportunities (more than one job offer). Do not settle for the first that comes around. Begin TODAY preparing to get your dream job….. but you are already too busy…..
Question:

I am a sophomore. What should I do differently? Do employers frown upon graduating in five years?

You are ahead of the pack by learning more. Doubtful if you spent the extra time acquiring engineering and business experiences.
What is your opinion on American Unions? Do you think they are a big cause to American work moving overseas?

My opinion: Labor unions are fundamental to defend the workers’ rights and are the source for the US middle class. No, labor unions are not the (main) reason for US jobs moving elsewhere. The free market economy demands processes & products be made where they are most cost efficient.
Growth and economy

At one point, we were where China was a few years ago. Is there somewhat of a ceiling for a country’s economy can reach? Every country has limited people, resources, etc., and can only go so far, right? At some point China will slow down like we did....

We will learn more. Economic power enables (world) leadership but also gives responsibilities ..... Hard (for me) to answer at this time!
Want to know:

What if any industry feedback there is on how engineering graduates are now compared to 15 years ago?

The world today is vastly different from that 15 years ago when the internet was just starting, google or wikipedia ???, few if any business had an URL site...... We did not have yet the 24 hour engineering cycle......
Want should I do to get the most out of this class?

Practice and master the soft skills:
- Reading, writing and talking
- Working in groups - discussions
- Learn more about business and business practices
- Learn more about the world: history and economy.
Tell us more about your background

Old but still day dreaming!