

January 12, 2010

ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS



Professor Drew Nelson



Susan Nourse

Questions?



Administrative Issues

Missed first lecture policy for all enrolled students

Enroll on Axxess

ENGR110 is one of the classes that satisfies the optional course requirement for the BSME degree.

Talk to me if you desire to get a letter grade for the lecture-only one-credit enrollment option.

Handout

Who is Disabled?

Questions of Contemplation and Discussion

Communication Skills

1. Written reports, funding proposals, reviews
2. Aural Presentations
 - Poster session
 - Powerpoint
3. Brainstorming
4. Discussions

Situations where good communication skills would be beneficial

1. When you want to show others how smart you are
2. When your class requires you to take part in discussions, present your team's project, and write project reports
3. When you are convincing the professor that you deserve an A
4. When you are interviewing for your first job or competing for a promotion
5. When you are teaching a course or presenting your research
6. When you are appearing on 60 Minutes
7. When you are giving your Nobel Prize acceptance speech
8. When you are participating in a presidential debate
9. When you are leading a cabinet meeting
10. When you are giving the State of the Union address

My plan ...

NATIONALGEOGRAPHIC.COM/MAGAZINE | JANUARY 2013

NATIONAL GEOGRAPHIC

Merging Man and Machine

**THE
BIONIC
AGE**

Sublime
Scottish Islands 64

TRAFFICKING
IN WILDLIFE 78

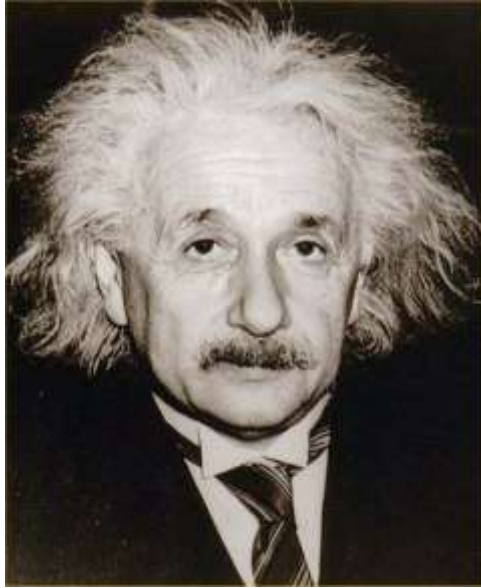
CHINA'S SPIRIT
WORSHIP 103

CLOWNFISH:
THE COST
OF STARDOM 120

TOUGH LOVE
IN SINGAPORE 132



Famous People with Disabilities



Albert Einstein
Physicist
Learning Disability



Annette Funicello
Mouseketeer
Multiple Sclerosis



Bob Dole
Senator
Paralysis

Some are / were disabled from birth or from an early age.

Famous People with Disabilities



Christopher Reeve
Actor
Spinal Cord Injury



Franklin D. Roosevelt
President
Polio



Helen Keller
Author
Deaf-Blindness

Others became disabled after they achieved notoriety.

Famous People with Disabilities



Itzhak Perlman
Violinist
Polio



Jay Leno
Comedian
Dyslexia



Jim Abbott
Pitcher
Congenital Deformity

They pervade all aspects of our society.

Famous People with Disabilities



John Callahan
Cartoonist
Spinal Cord Injury



Jose Feliciano
Musician
Blindness



Josh Blue
Comedian
Cerebral Palsy

They contribute to society's diversity.

Famous People with Disabilities



Lou Ferrigno
Actor
Hearing Impairment



Lou Gehrig
Baseball Player
ALS



Ludwig Von Beethoven
Composer
Hearing Loss

They contribute with their underlying talent and abilities.

Famous People with Disabilities



Magic Johnson
Basketball Player
HIV



Marlee Matlin
Actress
Hearing Impairment



Mary Tyler Moore
Actress
Diabetes

Talent and the ability to contribute trumps disability.

Famous People with Disabilities



Michael Jackson
Performer
Vitiligo



Michael J. Fox
Actor
Parkinson's Disease



Mohammad Ali
Boxer
Parkinson's Disease

Ability and talent comes from education and opportunity.

Famous People with Disabilities



Moses
Religious Leader
Speech Impediment



Ray Charles
Musician / Singer
Blindness



Richard Pryor
Comedian
Multiple Sclerosis

Access to education is a key issue.

Famous People with Disabilities



Sammy Davis Jr.
Performer
Lost Eye



Stephen Hawking
Physicist
ALS



Stevie Wonder
Singer / Songwriter
Blindness

Acceptance in society is another important concern.

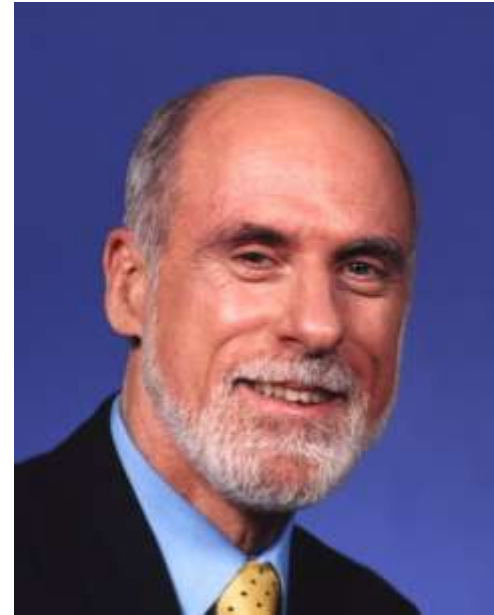
Famous People with Disabilities



Larry Leifer
Professor
Hearing Impairment



Tom Kane
Professor Emeritus
Multiple Impairments



Vint Cerf
Internet Evangelist
Hearing Impairment

Assistive technology is instrumental in gaining access to education and functioning in the real world.

Famous People with Disabilities



Teri Adams
Assistant Director OAE
Wheelchair User



TV Raman
Google Researcher
Blindness



Peter Axelson
Rehab Engineer
Paraplegia

Assistive technology can overcome limitations in sensing, communication, mobility, and manipulation.

Famous People with Disabilities



David Patterson
Governor of NY
Blindness



Ralf Hotchkiss
Engineer
Paraplegia



Bethany Hamilton
Surfer
Lost Arm

Assistive technology levels the field so that an individual's talent and skills can flourish.

Thursday, Jan 14th



Gayle Curtis

**Design Thinking and Applied
Ideation for Assistive Technologies**

Today

NEED-a-HAND project presentation

Erica Salazar

Eric Younge

Tuesday, Jan 12th



Deborah E. Kenney, MS, OTR/L

**The Transdisciplinary Team:
Bridging the Gap between
Consumers and Products in
Rehabilitation Medicine**

Stanford University

VA Palo Alto Health Care System

Foothill College

Adjourn

