January 21, 2016

ENGR110/210
Perspectives in Assistive Technology

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Instructor
Questions or Concerns?
Attendance Sheet
and Evaluation Form

For all students:
• Attendance Sheet - important to verify your attendance

For everyone:
• Class Session Evaluation Form
Team Projects

- Work with diligence
- Inform me of your team’s progress – meeting or email
Abortion rates for Down Syndrome pregnancies:

- About 92% of pregnancies in Europe with a diagnosis of Down syndrome are terminated. In the United States, termination rates are around 67%, but this rate varies significantly depending upon the population evaluated.

- When non-pregnant people (men & women) are asked if they would have a termination if their fetus tested positive, 23 - 33% said yes, when high-risk pregnant women were asked, 46 - 86% said yes, and when women who screened positive are asked, 89 - 97% say yes.

Pre-lecture Discussions

1. 24 - Ethical / Moral Dilemmas Related to Disability
2. 22 - Assistive Robotics
3. 20 - In the News
4. 18 - Vintage Assistive Technology
5. 17 - Ten Commandments of Making
6. 12 - Assistive Technology Device Review
7. 7 - The Upside of Failure
7. 7 - Who is Disabled?
9. 6 - Suffering
10. 5 - More on the Design Development Process
11. 3 - Video Theatre
Vintage Assistive Technology

What kind of man owns his own computer?

Rather revolutionary, the whole idea of owning your own computer? Not if you're a diplomat, printer, scientist, inventor... or a like designer, too. Today there's Apple Computer. It's designed to be a personal computer. To uncomplicate your life. And make you more effective.

It's a wise man who owns an Apple.

If your time means money, Apple can help you make more of it. In an age of specialists, the most successful ones stay away from uncreative drudgery. That's where Apple comes in.

Apple is a real computer right to the bone. So just like big computers, it manages data, crunches numbers, keeps records, processes your information and prints reports. You concentrate on what you do best. And let Apple do the rest.

Apple makes it easy with three programming languages--including Pascal--that let you be your own software expert.

Apple, the computer worth not waiting for.

Time waiting for access to your company's big mainframe is time wasted. What you need in your department--
Ear Trumpets
Big Ears
Big Ears
Old Wheelchair Designs
Old Wheelchair Designs

Garden Party for Wounded men at the White House 6/5/24 30963
Old Wheelchair Designs
Old Wheelchair Designs
Old Wheelchair Designs
Old Wheelchair Designs
Old Wheelchair Designs
Old Wheelchair Designs
FES Walking
FES Walking
Chin Controlled Arm Exoskeleton
Robotic Feeding Aid
Robotic Feeding Aid
Early Environmental Control System

![Stepping Relay](image)
Voice-Recognition
Environmental Control System
Eye-Gaze Control
Eye-Gaze Control
Augmented Communication System
Augmented Communication System
Artificial Hand / Arm from 1560 - 1600
What is this?
Peg Leg Bates
Wooden Prosthetic Legs
Hardiman Prototype – 1950’s
Student Exoskeleton Arms
Ultimate Exoskeleton
Steampunk Professor Xavier Wheelchair Project

Video

Steam Punk Professor Xavier's Wheelchair
By: Daniel Valdez
http://www.smeeon.com/
Orange County Chopper

- Christopher & Dana Reeve Foundation

- Video
Tuesday, January 26th

A Personal and Historical Perspective on Creative Thinking and Design with a Focus on Seniors

Barbara Beskind
Today’s Lecture

Issues in Human Interface Design
Gary M. Berke, MS, CP, FAAOP
Break Activities

- Sign attendance sheet
- Grab a cookie
- Stand up and stretch
- Take a bio-break
- Text message, web-surf, email
- Talk with classmates
- Reflect on what was presented in class
Short Break
Laptops Galore