**Electronically Mediated Instruction**

Use of Modern Information and Communications Tools for Instruction

The original communication was sign language between a group of hunters.

Preparing for rapid change, communication, and control

Meetings -> Testing -> Textbooks -> Recordings -> Multimedia -> Laptops & Tablets -> Flexibility

Access Anywhere Anytime: Convenience => Motivation

Just In Time learning: Navigate, communicate, learn, and adapt using high-capacity instructions

Course Content Management System (Bb)

Web Application and Phone App

Grade Book (Grade Center)

Automatic column creation for Assignments, Discussions, Wikis, Blogs, Journals, Tests, Classroom Response Systems, …

Automatic Grading

Manual column creation of grade entry and weighted total columns

Automatic summation of categories

Selective views of columns and students

Grades selectively visible to students

Import from and export to a spreadsheet application or school database

Classroom Response Systems automatically enter daily grades (attendance).

Internal, secure messaging (Messages and Journals)

Sending student performance or patient status through eMail is not secure.

Select all, groups, or individuals for Messages and Send eMail

Content (Microsoft Office, Adobe CS, SoftChalk Lesson Builder, and others)

Centralized, reusable, web accessible

Text, Illustration, photo (encoded), audio (encoded), and video (encoded)

Operate, create/capture, edit, convert, access, and exchange/transfer

Digitize audio and video to streaming service

Voice Tools: Podcasts, Content, Discussions, eMail

ShareStream: Upload, Edit, Organize, and Stream

Shared Storage

Content System

Google Docs

DropBox, Box, iCloud, SkyDrive, SugarSync and others

ShareStream

Assignments (It’s all recorded.)

Instructions, Downloadable Materials, Write-in and upload submissions

Annotate and upload, Give feedback, Keep private notes

Control of Visibility

Tests and Surveys

Question types, Possible answers, Correct and incorrect answer feedback, Scoring

Question Pools

Respondus Test Builder

SoftChalk Lesson Builder Quiz Poppers and Quiz Group

Groups

Targeted and exclusive interaction through various tools

Group access to Content and Assignments

Manual, automatic, or self distribution of students in groups

Collaboration

Send Mail and Messages

Discussion Forums

Blogs (Blackboard and Campus Pack)

Wikis (Blackboard and Campus Pack)

Journals (Blackboard and Campus Pack)

Blackboard Collaborate

Presentations, Guest Speakers, Office Hours, Discussions, Development

Audio and Video Recording, Text Chat, Whiteboard, Annotation, Web Browser, Application Sharing, File Sharing

Blackboard IM: Text and Video Chat

Social Networking and Social Media

Facebook, LinkedIn, and others

Twitter, Tumblr, and others

YouTube, Vimeo, Instagram, Flickr, Picassa, SmugMug, and others

Blogs and Wikis

Pinterest, Delicious, Digg, Diigo, StumbleUpon, Reddit, and others

Blackboard SP10: Separating social from serious

Narrated Presentations (Consider http://go.uic.edu/lynda)

Power Point

Audio is not compressed, is very large, and is slow to download.

Helius PointCast Publisher, iSpring Publisher, Adobe Presenter (Win)

Flash Animation - Smaller

Adobe Captivate and Techsmith Camtasia Studio and SnagIt

Flash Video – Larger

Semi-professional presentations through editing

Classroom Response Systems (iClicker, TurningPoint Technologies)

Phone Apps for Education

Web Browsers, PDF Viewers, Video Players, Audio Players

Dictionaries, Encyclopedias, professional references

Online Video Instruction

Exploration, Navigation, Discovery, Experimentation

Office Productivity, Drawing, Photo Editing, Audio Editing?, Video Editing?

Tactile and audio notes takers

Photo and video capture

Mind Mapping

Shared Storage

News, Social Networking and Media