


NTID

Faculty Developed Materials

Jorge Samper

PEN-International
NTID, USA

<http://www.pen.ntid.rit.edu>



March 1, 2004

1




- <http://www.rit.edu/~491www>
- Enhances realization of NTID's missions
 - Instructional
 - Technical
 - Design expertise
 - Related training



2

EDR Goals


- To improve
- To explore
- To produce
- To lead
- To link



3

To Improve


- To enhance the learning experience for NTID-supported students both in terms of direct instruction, co-curricular programming, and access to educational environments.



4

To Explore


- To experiment with innovative solutions to instructional challenges and creative strategies regarding media-based communications.



5

To Produce

- To design, produce, and evaluate educational materials and strategies; as well as informational materials related to the institutional objectives of NTID/RIT.



6

[To Lead]

- To support NTID's emergence as the international leader in the field of deaf education regarding applications of instructional technologies in support of deaf learners.



7

[To Link]

- To form partnerships entailing learning/teaching networking and expertise/information sharing among individuals within and beyond RIT who serve deaf and hard-of-hearing learners.



8

[What We Do]

- Instructional materials
- Informational materials



9

[We Focus]

- Readability
- Instructional strategies
- Visual Literacy
- Development and evaluation



10

[Design Considerations]

- Analysis
- Research
- Instructional development
- Writing, editing
- Graphic design, illustration, photography, layout
- Evaluation
- Media selection (e.g., computer-assisted instruction, print-based texts, etc.)



11

[Faculty Requesting Service]

- Write proposal
- Obtain approval by department Chair
- Review committee
- Instructional Developer



12

EDR - Office

Department Chair



Staff Assistant



Training Specialist



Staff Assistant







13

EDR – Instructional Developers


Instructional Developer




Instructional Developer




Instructional Developer



Instructional Developer





14

EDR – Photo/Video

Photo/Video Group



Photo/Video Group



Photo/Video Group



Photo/Video Group







15

EDR – Graphic Design


Design Group




Design Group




Design Group



Design Group







16

EDR – Programmers & Support


Programmer




Media Specialist




Programmer



Librarian







17

Working Together

NTID placement specialist go to companies where deaf students are working or could work.





18

Working Together

- Trainers manual
- Participants book
- Video tape
- OHT masters



19

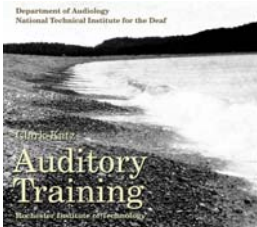
Orientation to Hearing Aids



20

Auditory Training

- Computer based
- Multimedia



21

Auditory Training

- Developed for
 - Internal use
- Students
 - Cochlear implants
 - Hearing aids



22

Access/Class Act

- Website
- Grant supported
- External dissemination



23

Access/Class Act

- Includes faculty and student perspectives
- Video clips



24

Class Act

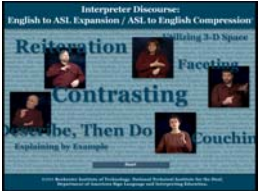
- Designed so that faculty can add new strategies.



25

Interpreter Discourse

- Interactive CD
- Study/practice
- ASL/English
- Interpreters



26

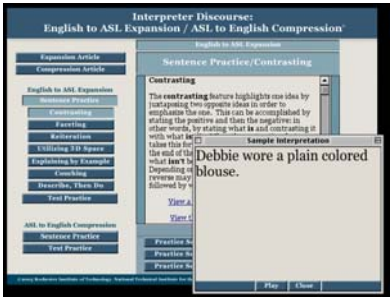
Interpreter Discourse

- Text files
- Video & audio clips
- Internal/external dissemination



27

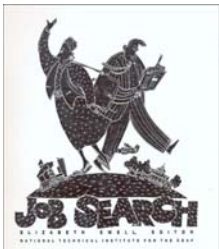
Interpreter Discourse



28

Job Search

- Goals
- Class overview
- Quizzes
- Assignments



29

Job Search

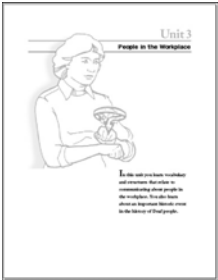
- Resumes
- Employment letters
- Job applications
- Interviewing techniques
- Becoming and employee



30

ASL in the Workplace

- Course materials
- ASL for faculty/staff
- Internal and external
- Co-produced



31

ASL in the Workplace

- Units begin with:
 - Overview
 - Goals
 - Vocabulary
 - Grammar notes
 - Culture



32

Art and Computer Design

- Recruiting CD
 - Our department
 - Our students
 - Virtual tour
 - Careers
 - Contact us



33

Art and Computer Design

- Faculty
 - Background
 - Portfolio
 - Contact information



34

Learning Strategies



35

Learning Strategies

- Freshmen students
- Time management
- Test taking skills



36

Learning Strategies

- Pre/post test
- Sample time schedules
- Goal setting



37

Educational Interpreting



38

Student e-Portfolios

- Electronic portfolios
 - Resume
 - Interpreting skills
 - Voice to sign
 - Sign to voice



39

Student e-Portfolios

- Contact information
- About the students



40

Student e-Portfolios



41

Tele-Communication



42

[Tele-Communication]

- Telecommunication equipment
- Using relay systems
- Emergency calls
- Signaling devices



43

[Tele-Communication]

- Package includes
 - Lab sheets
 - Homework sheets
 - Self test



44

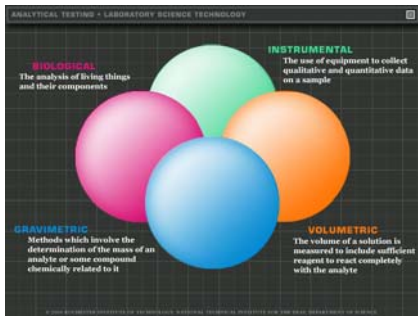
[VOLT]

- Computer based
- Multimedia
- For the CD
- Possibly web



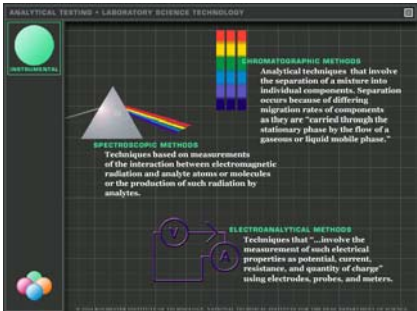
45

[VOLT]



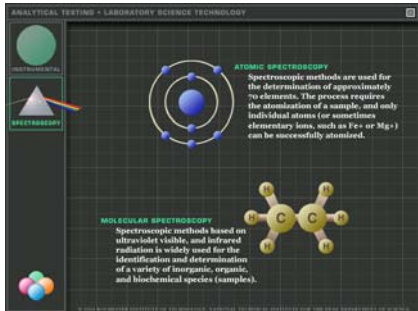
46

[VOLT]



47

[VOLT]



48

[VOLT]

ANALYTICAL TESTING • LABORATORY SCIENCE TECHNOLOGY

TEST PRINCIPLES

APPROXIMATIONS

MOLECULAR SPECTROSCOPY

UV-VIS SPECTROPHOTOMETER

IN SPECTROPHOTOMETER

FLUORIMETER

NUCLEAR MAGNETIC RESONANCE

49

[VOLT]

ANALYTICAL TESTING • LABORATORY SCIENCE TECHNOLOGY

TEST PRINCIPLES

APPROXIMATIONS

MOLECULAR SPECTROSCOPY

UV-VIS SPECTROPHOTOMETER

50

PEN-International is funded by a grant from The Nippon Foundation of Japan to NTID

9