Old Dominion University

Introduction: Information Literacy and Research
"To be information literate, a person must be able to recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information"
Tool literacy

- The ability to understand and use the practical and conceptual tools of current information technology relevant to education and the areas of work and professional life that the individual expects to inhabit.
Resource literacy

- The ability to understand the form, format, location and access methods of information resources, especially daily expanding networked information resources.
Social-structural literacy

- Understanding how information is socially situated and produced. [15]
The ability to understand and use the IT-based tools relevant to the work of today's researcher and scholar.
The ability to format and publish research and ideas electronically, in textual and multimedia forms ... to introduce them into the electronic public realm and the electronic community of scholars.
The ability to continuously adapt to, understand, evaluate and make use of the continually emerging innovations in information technology so as not to be a prisoner of prior tools and resources, and to make intelligent decisions about the adoption of new ones.
Critical literacy

- The ability to evaluate critically the intellectual, human and social strengths and weaknesses, potentials and limits, benefits and costs of information technologies
is She Who She is?
Preliminary Steps to Success in the Course

Course Portal

- intro.cs.odu.edu
  - Contains:
    - Course Information
    - Announcements
    - Grades
    - Assignment Submissions
    - Due dates
Preliminary Steps to Success in the Course

Course Textbooks

- Research Strategies - William Badke
  - ISBN - 9781462010172

- The Pearson Custom Edition for Information Literacy Vol 1
  - ISBN - 9780558724900
Communication

▪ Communication with the TAs is *only* through the CS120 portal.
▪ Login to the portal and send a sample message to us.
▪ Make sure that your ODU email is activated or you will be left out of the information loop.
▪ Look for Announcements on a regular basis throughout the semester—*check the portal often!*
▪ Look for Instructor office hours / TA office hours on the portal if you need to meet with one of us.
Preliminary Steps to Success in Course

- **Important Dates – Refer to the portal**
  - Assignments
  - Quizzes
  - Presentations
  - Exams (2)

- **Course Evaluation**
  - Assignments: 50%
  - Quizzes: 20%
  - Exam 1: 15%
  - Exam 2: 15%
Preliminary Steps to Success in Course

- **Check Grades**
  - Check your grades on the portal often. If you see a problem, bring it to our attention immediately.
Teaching Techniques Used

- Hands-On Assignments
- Case studies
- Lectures & Demonstrations
- Textbooks
- Videos
Topics Covered

- IL Basics
- Information Sources
- Search & Evaluation Techniques
- Collaboration Techniques
- Social Networks
- Information Storage & Retrieval
Topics Covered

- Word Processing
- Presentation Tools
- Data & Statistics
- Information Ethics
- Economic, legal, and social issues
Topics Covered

- IL Basics
  - ODU Information Literacy modules
- Information Sources
  - The Free, Visible Web
  - The Invisible Web
  - Paid Databases over the Web
  - Digital Libraries
Topics Covered

- **Search & Evaluation Techniques**
  - Comparison of search engines
  - Meta search engines
  - Evaluating Information

- **Collaboration Techniques**
  - WebEx
  - Google Docs
Topics Covered

- Social Networks
  - Face book
  - Twitter
  - Google Buzz
  - YouTube
  - Wiki/Blog

- Information Storage & Retrieval
  - Publishing Information on the web
  - Securing and storing information
  - Backing up information
Topics Covered

- Word Processing
  - MS Word

- Presentation Tools
  - MS PowerPoint

- Data & Statistics
  - MS Excel
Topics Covered

- Information Ethics
  - Plagiarism
  - Copyright

- Economic, legal, and social issues
  - ODU Honor Code
  - ODU IT Policies
  - Information security
  - Institutional policies
1. Determine the extent of information needed
2. Access the needed information effectively and efficiently
3. Evaluate information and its sources critically
4. Incorporate selected information into one's knowledge base
5. Use information effectively to accomplish a specific purpose
6. Understand the economic, legal, and social issues surrounding the use of information, and access and use information ethically and legally
Assessment

- Group Assignments (collaboration)
  - Written papers
  - Presentations
- Quizzes
- Exams
- Dedicated lab with 45 workstations
- TAs Available for help outside class hours
What is information Literacy?
- one view
SCANS - Secretary’s Commission on Achieving Necessary Skills

Report identifies information literacy as one of the five essential skills that the workplace will demand of employees of the future.

Employees need to be problem-solvers who can learn and unlearn and re-learn.

U.S. Secretary of Labor
Information Literacy and Today's Businesses:

The workplace of the present and future demands a new kind of worker. In a global marketplace, data is dispatched in picoseconds and gigabits, and this deluge of information must be sorted, evaluated, and applied. When confronted by such an overload of information, most workers today tend to take the first or most easily accessed information—without any concern for the quality of that information. As a result, such poorly trained workers are costing businesses billions of dollars annually in low productivity, accidents, absenteeism, and poor product quality. There is no question about it: for today's and tomorrow's workers, the workplace is going through cataclysmic changes that very few will be prepared to participate in successfully and productively unless they are information literate.
Information Literacy includes:

- Computer Literacy
- IT Literacy
- Library Skills
- Information Skills