Fall 2009 Library Tutorials

results and analysis

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# Setup Overview

- **pretest (29 questions)**

- **6 tutorials**
  - Tutorial 1: Types of sources & reliability (9 minutes)
  - Tutorial 2: General search processes & tips (7 minutes)
  - Tutorial 3: Finding a book (11 minutes)
  - Tutorial 4: Searching an online periodical database (13 minutes)
  - Tutorial 5: Internet sources and searching (20 minutes)
  - Tutorial 6: Copyright & plagiarism (8 minutes)

- **6 post quizzes (6 questions each)**

- **long-term follow up test (31 questions)**
Information Literacy Timeline

- Orientation course
  - Pretest
  - Tutorials
  - Post-Quizzes
- Gen Comm T113, T114, or AgComm 367
  - Long-term follow-up testing
Pretest Results

The pretest is intended to measure students’ level of knowledge upon entering ATI. These students, on average, have not previously had any ATI library instruction or the tutorials.

- **average score = 70.14%**
  - Fall 2008 pretest average: 60.87%

- **88% completion rate**
  - total students completing the pretest: 272
  - total students in orientation courses: 310
  - Fall 2008 completion rate: 81%
2009 Pretest Averages by Topic

- Sources/Reliability: 67.34%
- General Searching: 49.26%
- Books: 79.98%
- Periodicals/Databases: 64.85%
- Internet: 45.20%
- Copyright/Plagiarism: 90.90%
Pretest Averages 2009 vs. 2008

<table>
<thead>
<tr>
<th>Topic</th>
<th>Fall 08</th>
<th>Fall 09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sources/Reliability</td>
<td>50.00%</td>
<td>70.00%</td>
</tr>
<tr>
<td>General Searching</td>
<td>40.00%</td>
<td>60.00%</td>
</tr>
<tr>
<td>Books</td>
<td>55.00%</td>
<td>80.00%</td>
</tr>
<tr>
<td>Periodicals Databases</td>
<td>35.00%</td>
<td>75.00%</td>
</tr>
<tr>
<td>Internet</td>
<td>25.00%</td>
<td>45.00%</td>
</tr>
<tr>
<td>Copyright/Plagiarism</td>
<td>15.00%</td>
<td>95.00%</td>
</tr>
</tbody>
</table>
Their confidence in using the library catalog:

- 85% of students are somewhat or very confident using the library catalog.
- 15% are not very confident or not confident at all.

These are slightly more confident than the 2008 catalog opinion results:

(83% confident; 17% not confident)
Their confidence in using library databases:

- 71% of students are very or somewhat confident searching library databases.
- 29% of students are not very confident or not confident at all.

*These are slightly more confident than the 2008 catalog opinion results:*

(69% confident; 31% not confident)
Their confidence in using the internet to find reliable information:

- 96% of students are very or somewhat confident searching the internet for valuable information.
- Only 4% are not very confident or not confident at all.

*These are slightly more confident than the 2008 catalog opinion results: (94% confident; 6% not confident)*

These high confidence rates are important since students scored lowest on internet pretest questions.
Pretest Comments

- low scoring questions
  - thinking search engines search entire internet
  - what makes a journal scholarly
  - formulating search strategies
  - and/or searches
  - role of blogs/wikis in research
  - these questions scored extremely low in 2008 pretest as well

- major difference is the increased pretest score for the ‘books’ topic
  - problematic questions were altered to eliminate confusion
Tutorials

Note: In Carmen, students must OPEN the tutorial to take the post-quiz, not complete it.

This is an improvement from 2008, when students spent less time than the actual tutorial length on 5 of the 6 tutorials.
The post-quizzes had two aims:
- determine if the students retained information from the tutorials
- help reinforce information
Increased post-quiz averages on every quiz in 2009
2009 Pretest vs. Post-Quiz Topics

increases from pretest to post-quiz for 2009:

- sources/reliability increased 10%
- general searching increased 25%, which was the largest increase
- books increased 8%
- periodicals databases increased 18%
- internet increased 22%
- copyright plagiarism only increased 1% but is the highest scoring topic
2008 vs. 2009 Overall

sources/reliability  general searching  books  periodicals databases  internet  copyright plagiarism

2008 pretest  2008 post quiz  2009 pretest  2009 post quiz
Post-quiz Opinions

OVERALL AVERAGE for this question on every post-quiz:

This tutorial had useful information to help me find information for research.

- 87.75% agreed
- 12.25% disagreed
Students scored higher on post-quiz topics than on the pretest for all six topics. This can be attributed to any of the following reasons:

- learned from the pretest (viewing missed questions and answers)
- learned from the tutorials
- learned the information elsewhere
- looked up the answers while taking the post-quizzes

80.85%: average score of all post-quizzes combined
an increase of over 10% when compared to the pretest score average of 70.14%.

2008: average score of all post-quizzes combined was 76.74%. This was an increase of over 15% when compared to the 2008 pretest score average 61.68%.