FALL 2011 LIBRARY TUTORIALS

results and analysis

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**Setup Overview**

- **Pretest (31 questions)**
- **6 tutorials**
  - Tutorial 1: Types of sources & reliability (6.5 minutes)
  - Tutorial 2: General search processes & tips (8 minutes)
  - Tutorial 3: Finding a book (9 minutes)
  - Tutorial 4: Searching an online periodical database (8.5 minutes)
  - Tutorial 5: Internet sources and searching (8 minutes)
  - Tutorial 6: Copyright & plagiarism (8 minutes)
- **6 post-quizzes (6 questions each)**
- **Long-term follow up test (35 questions)**
INFORMATION LITERACY TIMELINE

orientation course

pretest | tutorials | post- quizzes

Gen Comm T113, T114, or AgComm 367

long-term follow-up testing
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.

- **Fall 2011 pretest average score = 64.42%**
  - Fall 2010 pretest average score: 67.65%
  - Fall 2009 pretest average score: 70.14%
  - Fall 2008 pretest average score: 60.87%

- **Fall 2011 completion rate = 98%**
  - Fall 2010 completion rate: 92%
  - Fall 2009 completion rate: 88%
  - Fall 2008 completion rate: 81%
2011 Pretest Average Scores by Topic

- **Sources/Reliability**: 73.97%
- **General Searching**: 53.43%
- **Books**: 70.35%
- **Periodicals & Databases**: 54.73%
- **Internet**: 52.78%
- **Copyright / Plagiarism**: 84.34%
The scores are out of 27 possible points. Although the pretest is 31 questions, 4 of those are not content-related.
2011 Pretest Comments

- low scores
  - the three lowest-scoring areas were general searching, periodicals & databases, and internet
  - these were also the three lowest-scoring areas in 2008, 2009, and 2010
  - multiple topics have failing average scores

- high scores
  - the highest-scoring topic was copyright & plagiarism
  - this was also the highest-scoring area in 2008, 2009, and 2010
Their confidence in using a library catalog:
- 80% of students are somewhat or very confident
- 20% are not very confident or not confident at all

These are consistent with previous results:
- 2010: 79% confident, 21% not confident
- 2009: 85% confident, 15% not confident
- 2008: 83% confident, 17% not confident
Their confidence in using a library database:
- 71% of students are somewhat or very confident
- 29% are not very confident or not confident at all

These are consistent with previous results:
- 2010: 65% confident, 35% not confident
- 2009: 71% confident, 29% not confident
- 2008: 69% confident, 31% not confident
Their confidence in using the internet for research:
- 96% of students are somewhat or very confident
- 4% are not very confident or not confident at all

These are consistent with previous results:
- 2010: 95% confident, 5% not confident
- 2009: 96% confident, 4% not confident
- 2008: 94% confident, 6% not confident
The post-quizzes have two purposes:
- determine if students retained information from the tutorials
- help reinforce important information
2011 Pretest vs. 2011 Post-Quiz

- sources/reliability increased 13.5%
- general searching increased 19.6%
- books increased 13.0%
- periodicals & databases increased 22.7%
- internet increased 21.8%
- copyright/plagiarism increased 9.1%
COMPARISON COMMENTS

Post-quiz scores higher than pretest due to:
- learning from the pretest (viewing missed questions/answers)
- learning from the tutorials
- learning the information elsewhere
- looking up the answers while taking the post-quizzes

Low scoring topics on pretest:
- general searching (53%), databases (55%), internet (53%)
- scores increased by 19.5-22.5% for each topic
- all post-quiz averages are now C- or higher
2011 Post-Quiz Opinions

Students were asked on each quiz to indicate their agreement with this statement:

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

- sources/reliability: 95% agreed
- general searching: 96% agreed
- books: 94% agreed
- periodicals & databases: 94% agreed
- internet: 93% agreed
- copyright/plagiarism: 92% agreed
2008-2011 Comparisons

- Average score of all 2011 post-quizzes combined: 81.88%

- An increase of over 17% when compared to the 2011 pretest average score of 64.42%

<table>
<thead>
<tr>
<th>Year</th>
<th>Pretest Ave</th>
<th>Post-quizzes Total Ave</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>64.42%</td>
<td>81.88%</td>
<td>17.46%</td>
</tr>
<tr>
<td>2010</td>
<td>67.65%</td>
<td>78.43%</td>
<td>10.78%</td>
</tr>
<tr>
<td>2009</td>
<td>70.14%</td>
<td>80.85%</td>
<td>10.71%</td>
</tr>
<tr>
<td>2008</td>
<td>61.68%</td>
<td>76.74%</td>
<td>15.06%</td>
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