

The postcourse questionnaire was administered in class during the last week of the quarter, and completed questionnaires were obtained from 13 students enrolled in IMT 220 and 82 students enrolled only in the linked lecture course. The average scale scores and percentage of students who chose each of the various response options are shown below. Percentages are based on the total number of returned questionnaires. Responses of the two groups (IMT220 vs. lecture only) were compared using analysis of variance or chi-square as appropriate, and significant differences are marked *, **, or *** ($p < .05$, $.01$, and $.001$, respectively).

1. In IMT 220, many topics were covered by working on the course projects. Rate how well you could explain each of the following to a friend who had not taken IMT 220.

		Could not explain			Could explain		Mean
		Definitely (1)	Probably (2)	Not Sure (3)	Probably (4)	Definitely (5)	
a.	Why a particular article is or is not "scholarly"						
	IMT 220			5.9	41.2	52.9	4.47***
	Lecture	2.5	19.0	31.6	31.6	15.2	3.38
b.	How to evaluate a web site for credibility and reliability						
	IMT 220	5.9		11.8	23.5	58.8	4.29***
	Lecture	9.0	28.2	24.4	28.2	10.3	3.03
c.	What kind of material is considered a primary source in this field						
	IMT 220			17.6	35.3	47.1	4.29*
	Lecture	6.5	16.9	19.5	31.2	26.0	3.53
d.	How to electronically retrieve the full text of an article from an ejournal						
	IMT 220	5.9		5.9	41.2	47.1	4.24***
	Lecture	17.7	17.7	38.0	12.7	13.9	2.87
e.	How to add a graphic image to a web page						
	IMT 220	17.6		23.5	35.3	23.5	3.47*
	Lecture	30.0	22.5	21.3	11.3	15.0	2.59
f.	How to add a graphic image to a PowerPoint presentation (or other presentation software)						
	IMT 220	35.3	5.9	17.6	23.5	17.6	2.82
	Lecture	33.8	18.8	23.8	15.0	8.8	2.46
g.	The difference between "and" and "or" when using a bibliographic database or Internet search engine						
	IMT 220				29.4	70.6	4.71***
	Lecture	20.0	2.5	30.0	20.0	27.5	3.33
h.	The different segments of a web address (URL)						
	IMT 220	5.9	17.6	35.3		41.2	4.06***
	Lecture	23.1	15.4	35.9	17.9	7.7	2.72
i.	The difference between searching "keywords" and subject headings" (or "descriptors") in a bibliographic database						
	IMT 220			11.8	35.3	52.9	4.41***
	Lecture	7.6	15.2	29.1	31.6	16.5	3.34
j.	How to move files electronically from one computer to another when no diskette is available						
	IMT 220	23.5	5.9	23.5	11.8	35.3	3.29
	Lecture	22.5	17.5	26.3	18.8	15.0	2.86
k.	Why authors include references to other publications in their work (footnotes, bibliography)						
	IMT 220				29.4	70.6	4.71*
	Lecture	7.5	6.3	15.0	23.8	47.5	3.97
l.	Strategies for focusing search results when using a web search engine						
	IMT 220			11.8	35.3	52.9	4.41***
	Lecture	7.5	11.3	27.5	37.5	16.3	3.44
m.	Strategies for improving search results when using a bibliographic database (electronic periodical index)						
	IMT 220			11.8	41.2	47.1	4.35***
	Lecture	10.0	21.3	30.0	30.0	8.8	3.06

2. Rate your ABILITY LEVEL with each of the following:

		Ability Level					Mean	
		Beginner (1)	Beginning Intermed (2)	Intermed (3)	Advanced Intermed (4)	Expert (5)		
a.	Word processor (e.g., WordPerfect, MSWord)	IMT 220		11.8	11.8	52.9	23.5	3.88
	Lecture		6.1	26.8	46.3	20.7		3.82
b.	Spreadsheet software (e.g., MS Exel, Quatropro)	IMT 220	31.3		43.8	25.0		2.63
	Lecture		26.8	14.6	39.0	17.1	2.4	2.54
c.	Database software(e.g., FoxPro, MS Access)	IMT 220	35.3	29.4	35.3			2.00
	Lecture		42.7	22.0	29.3	6.1		1.99
d.	Presentation software (e.g., MS Powerpoint, HyperStudio)	IMT 220	41.2	11.8	23.5	23.5		2.29
	Lecture		45.1	17.1	25.6	8.5	3.7	2.09
e.	Graphic software (e.g., Photoshop, MacDraw)	IMT 220	29.4	23.5	17.6	11.8	17.6	2.65
	Lecture		34.1	26.8	19.5	14.6	4.9	2.29
f.	Online library databases	IMT 220		11.8	29.4	47.1	11.8	3.59*
	Lecture		9.9	18.5	44.4	23.5	3.7	2.93
g.	Bibliographic software (e.g., EndNote, ProCite)	IMT 220	41.2	17.6	29.4	11.8		2.12
	Lecture		46.9	23.5	25.9	2.5	1.2	1.88
h.	Browser (e.g., Netscape, MS Internet Explorer)	IMT 220		5.9	17.6	29.4	47.1	4.18
	Lecture		1.2	6.1	26.8	45.1	20.7	3.78
i.	html/web editor (e.g., MS Frontpage, HTMLPro),	IMT 220	23.5	23.5	17.6	11.8	23.5	2.88*
	Lecture		44.4	19.8	23.5	8.6	3.7	2.07
j.	Web search engines (e.g., MetaCrawler, Lycos, Excite)	IMT 220		11.8	17.6	23.5	47.1	4.06*
	Lecture		8.5	8.5	34.1	39.0	9.8	3.33

3. HOW CONFIDENT are you that you could use each of the following if required to complete a class assignment?

			Not at all	Somewhat	Moderately	Very	Extremely	Mean
			(1)	(2)	(3)	(4)	(5)	
a.	Word processor (e.g., WordPerfect, MSWord)	IMT 220			5.9	29.4	64.7	4.59
	Lecture			4.9	8.5	19.5	67.1	4.49
b.	Spreadsheet software (e.g., MS Exel, Quatropro)	IMT 220	12.5	25.0	31.3	12.5	18.8	3.0
	Lecture		20.7	11.0	34.1	20.7	19.4	2.95
c.	Database software(e.g., FoxPro, MS Access)	IMT 220	25.0	25.0	43.8		6.3	2.38
	Lecture		29.6	23.5	25.9	13.6	7.4	2.46
d.	Presentation software (e.g., MS Powerpoint, HyperStudio)	IMT 220	29.4	5.9	29.4	5.9	29.4	3.00
	Lecture		28.8	18.8	27.5	13.8	11.3	2.60
e.	Graphic software (e.g., Photoshop, MacDraw)	IMT 220	23.5	11.8	17.6	17.6	29.4	3.18
	Lecture		23.8	20.0	33.8	11.3	11.3	2.66
f.	Online library databases	IMT 220			23.5	47.1	29.4	4.06*
	Lecture		7.5	12.5	28.8	33.8	17.5	3.41
g.	Bibliographic software (e.g., EndNote, ProCite)	IMT 220	23.5	29.4	23.5	17.6	5.9	2.53
	Lecture		25.6	25.6	33.3	11.5	3.8	2.42
h.	Browser (e.g., Netscape, MS Internet Explorer)	IMT 220			23.5	11.8	64.7	4.41
	Lecture		3.8	6.3	18.8	32.5	38.8	3.96
i.	html/web editor (e.g., MS Frontpage, HTMLPro)j.	IMT 220	17.6	17.6	23.5	17.6	23.5	3.12*
	Lecture		26.6	27.8	29.1	10.1	6.3	2.42
j.	Web search engines (e.g., MetaCrawler, Lycos, Excite)	IMT 220		5.9	23.5	17.6	52.9	4.18
	Lecture		26.6	5.0	10.0	25.0	32.5	3.68

4. How much do you agree with each of the following statements? (Item frequencies are not reported for the five item computer confidence/anxiety and computer liking scales because subjects received different versions of the scale.)

		IMT 220	LECTURE
Computer confidence/anxiety (5 items)	mean =	2.0	2.4
Computer liking (5 items)	mean =	3.0	3.0