The precourse questionnaire was administered at the beginning of autumn quarter, and completed questionnaires were obtained from 23 students enrolled in IMT 220 and 175 students enrolled in a linked lecture course but not IMT 220. The percentage of students who chose each of the various response options and average scale scores 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. No significant differences were found.

1. During the past year, how often did you use a computer:

		Daily or nearly every day	2-3 times a week	Once a week	1-2 times a month	Once or a few times	Never	Mean
a.	to do word processing? IMT 220	21.7	43.5	21.7	8.7	4.3		3.7
	LECTURE	25.1	33.1	24.0	15.4	1.7	.6	3.6
b.	to use a spreadsheet? IMT 220		8.7	4.3	34.8	8.7	43.5	1.3
	LECTURE	1.7	5.2	8.7	14.0	34.9	35.5	1.2
c.	to draw or paint? IMT 220	4.3	4.3	17.4	4.3	39.1	30.4	1.4
	LECTURE	1.7	4.0	9.8	12.6	25.9	43.0	1.0
d.	to use email? IMT 220	65.2	26.1	4.3			4.3	4.4
	LECTURE	64.0	21.7	5.7	2.3	3.4	2.9	4.3
e.	to go on the Internet (other than email)? IMT 220	30.4	43.5	17.4		8.7		3.9
	LECTURE	39.4	31.4	13.7	9.1	4.0	2.3	3.9

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

		Beginner (1)	Beginning Intermed (2)	Intermediate (3)	Advanced Intermed (4)	Expert (5)	Mean
a.	Word processor (e.g., WordPerfect, MSWord) IMT 220		4.3	34.8	56.5	4.3	3.6
	LECTURE	1.7	7.5	29.9	47.1	13.8	3.6
b.	Spreadsheet software (e.g., MS Exel, Quatropro) IMT 220	39.1	26.1	30.4	4.3		2.0
	LECTURE	36.0	29.1	22.7	8.1	4.1	2.2
c.	Database software (e.g., FoxPro, MS Access) IMT 220	69.6	21.7	8.7			1.4
	LECTURE	60.5	18.6	16.3	3.5	1.2	1.7
d.	Presentation software (e.g., MS Powerpoint, HyperStudio) IMT 220	60.9	17.4	13.0	4.3	4.3	1.7
	LECTURE	52.6	22.5	15.6	7.5	1.7	1.8
e.	Graphic software (e.g., Photoshop, MacDraw) IMT 220	39.1	21.7	26.1	8.7	4.3	2.2
	LECTURE	53.4	15.5	18.4	9.8	2.9	1.9
f.	Bibliographic software (e.g., EndNote, ProCite) IMT 220	91.3	4.3	4.3			1.1
	LECTURE	79.7	12.2	7.0	1.2		1.3
g.	Browser (e.g., Netscape, MS Internet Explorer) IMT 220		17.4	26.1	47.8	8.7	3.5
	LECTURE	5.8	12.2	29.1	34.9	18.0	3.5
h.	html/web editor (e.g., MS Frontpage, HTMLPro) IMT 220	60.9	21.7	13.0	4.3		1.6
	LECTURE	60.9	11.5	12.6	10.3	4.6	1.9
i.	web search engines (e.g., MetaCrawler, Lycos, Excite) IMT 220	30.4	8.7	30.4	21.7	8.7	2.7
	LECTURE	15.0	12.7	29.5	30.1	12.7	3.1

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

		Not at all (1)	Somewhat (2)	Moderately (3)	Very (4)	Extremely (5)	Mean
a.	Word processor (e.g., WordPerfect, MSWord) IMT 220			8.7	21.7	69.6	4.6
	LECTURE		4.0	5.8	29.5	60.7	4.5
b.	Spreadsheet software (e.g., MS Exel, Quatropro) IMT 220	21.7	21.7	17.4	30.4	8.7	2.8
	LECTURE	19.7	23.1	29.5	15.0	12.7	2.8
c.	Database software(e.g., FoxPro, MS Access) IMT 220	30.4	39.1	17.4	13.0		2.1
	LECTURE	38.4	26.7	22.1	8.1	4.7	2.1
d.	Presentation software (e.g., MS Powerpoint, HyperStudio) IMT 220	39.1	26.1	17.4	8.7	8.7	2.2
	LECTURE	32.6	25.0	22.1	11.0	9.3	2.4
e.	Graphic software (e.g., Photoshop, MacDraw) IMT 220	34.8	8.7	21.7	8.7	26.1	2.8
	LECTURE	30.2	26.2	25.6	7.0	11.0	2.4
f.	Bibliography software (e.g., EndNote, ProCite) IMT 220	43.5	30.4	8.7	17.4		2.0
	LECTURE	49.1	25.4	19.7	5.2	.6	1.8
g.	Browser (e.g., Netscape, MS Internet Explorer) IMT 220		13.0	13.0	13.0	60.9	4.2
	LECTURE	5.8	7.6	15.7	33.1	37.8	3.9
h.	html/web editor (e.g., MS Frontpage, HTMLPro) IMT 220	47.8	13.0	13.0	26.1		2.2
	LECTURE	37.6	24.1	15.3	10.6	12.4	2.4
i.	web search engines (e.g., MetaCrawler, Lycos, Excite) IMT 220	13.0	17.4	21.7	8.7	39.1	3.4
	LECTURE	11.0	12.2	18.0	26.7	32.0	3.6

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 =	2.2	2.3
Computer liking (5 items)	mean =	3.2	3.0

9. What is your class level?

	IMT 220	LECTURE
Freshman	13.0	19.8
Sophomore	13.0	14.4
Junior	52.2	37.7
Senior	21.7	28.1

10a. Have you declared a major?

	IMT 220	LECTURE
Yes	47.8	60.6
No	52.5	39.4

10b. What is your current or intended major?

	IMT 220	LECTURE		IMT 220	LECTURE
American Ethnic Studies		1.1	Geography	30.4	9.1
Architecture		1.7	History	8.7	18.3
Art	4.3	5.7	Center for the Humanities		.6
Art History		.6	International Business		.6
Business	8.7	1.7	Landscape Architecture		.6
Biology		1.7	Math		.6
Comparative Hist of Ideas		.6	Microbiology		.6
Communications	4.3	2.9	Music		.6
Computer Science		1.1	Nursing		.6
Drama		.6	Philosophy		1.1
Economics	4.3	.6	Political Science		4.6
Education		1.1	Psychology		3.4
English		4.0	International Studies		.6
Engineering		1.1	International Studies, Russia		1.1
Environmental Science		4.0	Sociology	8.7	2.3
Forest Management		.6	Speech Communication		1.1
Forest Resources	8.7	1.7	Zoology		2.3
French		.6			

11. Your gender?

	IMT 220	LECTURE
Male	39.1	48.8
Female	60.9	51.2

12. Your race?

	IMT 220	LECTURE
African American		3.8
Native American		1.9
Caucasian	90.9	72.4
Hispanic		.6
Asian	4.5	14.7
Other	4.5	6.4

13a. During the past year, how many papers did you write that required a significant amount of library or Internet research?

	IMT 220	LECTURE
mean =	1.3	.9

13b. What is the highest level math class you have taken?

	IMT 220	LECTURE
Algebra		13.8
Elementary functions		4.4
Precalculus	59.1	38.4
Calculus	27.3	34.6
Beyond calculus	13.6	8.8