Student Survey on Educational Technology 2002: Overall Frequencies

About You

Survey Mode:

	n	%
Online	393	41
Paper	568	59

1. Your class:

	n	%		n	%
1) Freshman	101	11	4) Senior	204	21
2) Sophomore	108	11	5) Masters	155	16
3) Junior	219	23	6) Doctoral	131	14
7) Other (specify):	42	4			

2. Major: _____

3. Is this your first quarter at the UW?   1) Yes 241 (25%)   2) No 706 (75%)

4. Number of credits in which you are currently enrolled: Mean = 13.2 (SD = 4.1, N = 938)

5. Gender:

1) Male 361 (38%)   2) Female 587 (62%)

6. Ethnicity (mark all that apply):

		n	%
a)	African American	16	1.7
b)	Asian American	177	18.4
c)	Hawaiian/Pacific Islander American	27	2.8
d)	Hispanic/Latino American	33	3.4
e)	Native American or Alaskan Native	18	1.9
f)	White American	633	65.9
g)	International student	70	7.3
h)	Other (specify):	40	4.2

Your Use of Technology

7. How would you rate your current expertise as a computer user?

0 Don't use	1 Novice	2 Intermediate	3 Advanced	4 Expert	M	N
0%	6.1%	48.9%	37.3%	7.8%	2.5	939

8. How would you rate your current ability in each of the following areas? What would you like your ability to be when you graduate from the UW?

		CURRENTLY						UPON GRADUATION					
		Never tried 0	Novice 1	Interme-diate 2	Advanced 3	Expert 4	M	Never tried 0	Novice 1	Interme-diate 2	Advanced 3	Expert 4	M
a)	Set up a personal computer	13.5	11.8	34.2	26.9	13.5	2.2	3.6	6.4	28.1	37.9	24.0	2.7
b)	Connect a computer to a network	22.3	20.2	32.0	17.9	7.7	1.7	7.8	9.5	29.7	33.2	19.7	2.5
c)	Make informed decisions about purchasing hardware/software	10.9	22.4	35.7	22.1	8.9	2.0	1.1	7.0	30.3	38.5	23.1	2.8
d)	Create a website	41.3	24.0	19.6	11.4	3.7	1.1	8.0	14.7	31.1	29.5	16.7	2.3
e)	Use basic operating system features	2.7	7.2	37.6	32.5	20.0	2.6	.6	2.1	17.9	44.1	35.3	3.1
f)	Use a word-processor to create documents with text and illustrations	1.4	5.5	27.6	40.3	25.2	2.8	.3	.2	11.2	44.2	44.1	3.3
g)	Use a graphics or art package to create illustrations, slides, or images	10.9	24.7	30.4	23.3	10.7	2.0	1.1	7.1	24.9	37.4	29.6	2.9
h)	Use a computer to find scholarly information and resources	.1	6.6	29.9	43.1	20.3	2.8	.1	.2	8.5	39.9	51.2	3.4
i)	Critically evaluate information from the Internet and other sources	.7	9.0	35.2	38.7	16.2	2.6	.2	.9	11.8	44.3	42.8	3.3
j)	Use a computer to communicate with others	0	2.7	22.3	40.0	34.9	3.1	0	.5	9.8	42.6	47.0	3.4
k)	Use a spreadsheet for computations and to create charts and graphs	4.9	20.6	35.1	28.4	11.1	2.2	.9	3.1	19.5	42.3	34.1	3.1
l)	Use a database system to set up and access information	16.0	30.3	32.7	16.5	4.4	1.6	3.8	8.4	28.4	35.7	23.7	2.7
m)	Effectively present information drawn from multiple sources	2.6	12.8	37.9	34.5	12.2	2.4	.6	1.2	14.9	42.2	41.1	3.2
n)	Use instructional materials to learn how to use new applications or features	5.1	17.5	39.1	27.1	11.1	2.2	1.5	3.6	26.5	40.5	27.9	2.9
o)	Other (specify):												

9. Which of the following educational technologies would you like instructors to use in your courses? (Check all that apply.)

COMMUNICATION	%		PRESENTATION	%
a) Email list of students	86.5		f) Audio/video clips, animation, or slides	75.0
b) Online discussion boards	55.2		g) PowerPoint presentations	74.3
c) On-line group chats (chat rooms)	21.4		h) Streaming videos	42.3
d) Instant messaging (e.g., MSN, AOL, ICQ)	20.1		i) Computer simulations	56.7
e) Video conferencing	15.6		j) Other (specify):	❏
j) Other (specify):	❏			
	N = 556			**N = 556**

10. How important is it to have each of the following available <u>on-line</u> in your courses?

	Not Important 0	Somewhat Important 1	Very Important 2	Extremely Important 3	Don't Know 4	*M**	*N*
a) Course syllabi	3.7	15.0	26.2	54.9	.2	2.3	546
b) Course outlines or lecture notes	4.8	14.3	27.8	53.0	.2	2.3	547
c) Video archives of lectures	29.7	35.6	15.2	16.3	3.1	1.3	545
d) Problem sets or exercises	7.4	14.2	32.4	45.6	.6	2.2	544
e) Class discussions	19.4	38.2	24.9	14.9	2.6	1.4	542
f) Simulations or visualizations	14.2	34.8	30.9	16.2	3.9	1.6	543
g) Presentations of compositions, dances, or other music/art activities	32.3	31.9	14.3	7.6	13.9	1.4	539
h) Links to related sites	8.0	34.2	34.7	21.9	1.1	1.7	547
i) Links to course reserves	3.3	20.8	38.2	33.9	3.7	2.1	542
j) Links to other archived materials	4.4	30.2	37.4	24.6	3.3	1.9	540
k) Posting of student work	26.9	35.9	22.6	11.5	3.1	1.3	540
l) Quizzes or surveys	14.8	28.6	31.9	23.1	1.7	1.7	542
m) Grading criteria	5.9	14.5	29.2	49.8	.6	2.2	544
n) Course grades	9.4	17.6	26.4	45.3	1.3	2.1	545
o) Links for anonymous feedback	14.5	28.5	30.8	23.4	2.8	1.7	543
p) Links to research opportunities	6.3	29.6	34.8	26.6	2.8	1.9	541

q) Other (specify):

* Means were computed after excluding "Don't Know" responses.

11. Which of the following methods for learning about technologies do you prefer? (Check all that apply.) Please also rank your top THREE preferences by <u>writing the corresponding letter</u> in the appropriate space below.

a) Workshops	46.9
b) On-line computer tutorials	46.0
c) Books, journals, tutorials	35.6
d) Exploring, experimenting	66.5
e) Help from colleagues, friends, family	67.4
f) Telephone consultants	15.3
g) Computer lab staff	40.6
h) Direct, in-class instruction	65.5
i) Email support	33.1
	N = 556

j) Other (specify): ❏

1st most preferred (N=520):	EXPERIMENTING	26%
	IN-CLASS INSTRUCTION	26%
2nd most preferred (N=516):	FRIENDS/COLLEAGUES	23%
	EXPERIMENTING	14%
3rd most preferred (N=505):	IN-CLASS INSTRUCTION	16%
	FRIENDS/ COLLEAGUES	14%

OR ❏ I don't wish to learn more about technology. 2.1%

12. Which of the following modes of direct, in-class instruction do you feel helps you learn how to use technologies? (Check all that apply.)

a) Verbal instruction	57.6
b) Written instruction	52.0
c) Question and answer discussion	36.2
d) Demonstration	82.2
e) Step-by-step instruction in a computer lab	66.9

f) Other (specify): ❏

OR ❏ I prefer not to receive direct, in-class instruction about technology. 4.0%

N = 556

13. Please indicate **how often** you use each of the following for your UW coursework or research, and **mark those you would like to have** in the general-access labs (MGH CRC and OUGL Computing Commons).

		Never 0	Less than once a month 1	Once a month 2	Several x a month 3	1-2 times a week 4	Every day 5	M	N	Would like to have in general-access labs
a)	Word processors (e.g., Word, Word Perfect)	1.1	2.9	4.2	16.0	38.6	37.2	4.0	549	53.3
b)	Spreadsheets (e.g., Excel)	17.8	26.1	14.1	15.8	16.3	9.9	2.2	545	44.4
c)	Presentation software (e.g., PowerPoint)	28.3	31.1	15.8	14.3	8.3	2.2	1.5	544	42.2
d)	Database software (e.g., Access, FileMaker)	54.4	25.5	7.4	7.0	3.5	2.2	.9	542	25.0
e)	Web (HTML) editors (e.g., GoLive)	54.6	20.8	6.7	5.8	5.6	6.5	1.1	538	25.4
f)	Publishing software (e.g., Acrobat, InDesign)	34.1	19.8	10.7	15.4	12.4	7.6	1.8	540	34.5
g)	Graphics software (e.g., Photoshop)	40.6	24.4	11.1	13.1	7.2	3.7	1.3	542	35.8
h)	Multimedia authoring software (e.g., Premier, Final Cut Pro)	76.0	14.6	5.0	2.8	1.1	.6	.4	542	16.5
i)	Computer-generated animation/graphics/CAD software (e.g., Bryce)	75.9	13.4	3.5	2.4	2.4	2.4	.5	544	16.5
j)	Scanning software for images or text	37.4	29.8	15.1	10.7	5.0	2.0	1.2	543	37.9
k)	Simulation software (e.g., medical tools)	77.2	13.7	3.7	2.2	2.0	1.1	.4	539	13.8
l)	Software development tools (e.g., Visual Studio, compilers)	73.1	12.2	3.9	2.8	3.7	4.3	.6	540	16.8
m)	Statistical analysis software (e.g., SPSS, SAS)	67.7	12.8	7.0	5.5	3.7	3.3	.7	541	22.5
n)	Geographic information software (e.g., ArcView/ArcInfo)	83.3	9.1	2.0	2.0	2.2	1.3	.3	540	14.7
o)	Mathematics software (e.g., Mathematica)	73.3	12.9	4.1	3.5	3.5	2.3	.6	543	20.6
p)	Bibliographic citation management software (e.g., EndNote)	67.3	13.9	7.1	6.3	3.9	1.5	.7	538	27.0
q)	Internet/Web browsers (e.g., Netscape/Mozilla, IE)	2.8	1.8	1.8	5.9	9.9	77.8	4.5	544	52.4
r)	Internet search engines (e.g., Google, Yahoo)	1.3	1.7	1.8	7.9	17.7	69.6	4.5	543	52.1
s)	UW Libraries catalog	8.5	14.0	13.1	25.0	24.4	15.1	2.9	544	47.0
t)	Library-provided indexes or bibliographic databases	24.2	18.0	12.4	19.7	16.3	9.6	2.1	534	39.4
u)	Library full-text sources (e.g., Lexis-Nexis, ejournals)	24.3	19.3	10.6	20.0	16.0	9.8	2.1	539	40.4
v)	Email (e.g., Pine, Outlook, Eudora)	2.9	1.5	.6	3.5	8.3	83.3	4.6	545	51.2
w)	Instant messenger (e.g., MSN, AOL, ICQ)	39.7	8.2	5.4	7.4	9.8	29.5	2.3	539	26.5
x)	Calendars/scheduling software (e.g., MyUW, Yahoo)	33.4	8.7	6.1	10.9	17.0	24.0	2.4	542	31.8
y)	Slides, filmstrips and/or projected movies	64.7	16.3	6.0	6.5	4.3	2.2	.8	535	16.5
z)	Video conferencing	84.0	9.7	2.0	2.0	1.3	.9	.3	537	13.2
aa)	Course website	7.6	7.0	7.2	18.0	34.3	26.0	3.4	543	43.5
ab)	Web-based collaboration tools (e.g., Catalyst Peer Review)	70.6	11.7	4.6	5.9	4.3	2.8	.7	538	17.5
ac)	Web-based surveys/quizzes (e.g., Catalyst WebQ)	60.4	18.0	7.6	7.2	5.4	1.3	.8	538	18.2
ad)	Web-based discussion boards (e.g., Catalyst Epost)	63.8	13.1	7.5	8.0	5.2	2.4	.9	536	18.6
ae)	Web-based feedback forms (e.g., Catalyst Umail)	73.0	12.0	5.8	4.9	3.0	1.3	.6	533	15.6
af)	Web-based homework submission (e.g., Catalyst E-submit)	59.3	11.6	6.7	7.6	11.6	3.2	1.1	536	24.3
ag)	Other (specify):									
ah)	Other (specify):									
ai)	Other (specify):									

N = 559

14. On average, **about how often** do you use a computer in each of the following locations?

		Never 0	Quarterly 1	Monthly 2	Weekly 3	Daily 4	*M*	N
a)	Mary Gates Hall CRC (Computer Resource Center)	51.4	21.6	13.3	10.9	2.7	.9	587
b)	OUGL Computing Commons (OUGL computer lab)	48.5	14.0	12.2	18.5	6.8	1.2	584
c)	Microlab (Health Sciences computer lab)	85.9	3.8	3.3	4.5	2.4	.3	574
d)	Other UW Libraries	35.2	20.4	17.4	19.0	7.9	1.4	579
e)	Departmental computing labs	46.3	11.6	9.7	16.8	15.6	1.4	577
f)	Campus office	78.3	5.8	1.9	2.1	11.9	.6	572
g)	Campus residence halls	81.2	2.6	1.0	2.1	13.0	.6	575
h)	Off-campus residence	18.6	2.2	4.8	9.9	64.6	3.0	587
i)	On-campus wireless network	78.5	4.8	3.2	5.1	8.5	.6	567
j)	Other (specify): _____							

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15. When you use the general-access labs (MGH CRC and OUGL Computing Commons), **why do you use** them? (Check all that apply.)

The general-access labs …

a)	have <u>software</u> I don't have at home.	26.6
b)	" " in my department lab.	8.3
c)	have <u>hardware</u> I don't have at home.	19.8
d)	" " in my department lab.	6.8
e)	have <u>services</u> not available elsewhere (specify):	8.9
f)	provide a good environment (describe):	14.9
g)	are convenient (describe):	39.9
h)	Other (specify):	6.4
OR ❏	No particular reason	6.8
OR ❏	N/A, I don't use the general-access labs.	21.8

N = 606

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16. When you do not use the general-access labs, **why don't you use** them? (Check all that apply.)

The general-access labs …

a)	don't have <u>software</u> I need (specify):	7.8
b)	don't <u>have hardware</u> I need (specify):	2.5
c)	don't have services I need (specify):	2.1
d)	don't provide a good environment (describe):	11.9
e)	aren't convenient (describe):	29.5
f)	I have everything I need in my department labs.	18.3
g)	Other (specify):	
OR ❏	No particular reason	29.0

N = 606

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17. Rank the following computer operating systems in order of your preference (1=most preferred; 4=least preferred).

RANK (mean):	1.26	2.38	3.02	3.39
Most preferred %	85.8	10.3	4.5	2.7
	Windows	**MAC**	**Linux**	**Unix**

OR ❏ I have no preference. 7.9%

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18. How often do you get to use your preferred operating system in the general-access labs (MGH CRC and OUGL Computing Commons)?

I don't use the general-access labs	Almost never	Half of the time	Almost always	
34.3	6.6	12.9	46.2	**N = 598**

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19. What Internet connection do you use in your residence? (Check one.)

a)	None	4.9
b)	Don't know	1.7
c)	UW network (residence halls)	16.8
d)	Regular modem (to UW network)	23.6
e)	Regular modem (to other provider)	14.7
f)	Cable modem	20.3
g)	Digital Subscriber Line (DSL) modem	16.1
h)	Other (specify):	2.1

N = 597

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20. What is your <u>primary</u> email service? (Check one.)

a)	MyUW (Webpine)	34.8
b)	UW email (e.g., Dante, Pine, Outlook)	23.7
c)	UW department email	2.0
d)	Other (e.g., AOL, Hotmail, Yahoo)	39.5

N = 598

Student Survey on Educational Technology 2002

21. Considering your experiences with educational technologies at the UW, please indicate how much you **agree** or **disagree** with each of the following general-statements.

The UW should …	DISAGREE		Neutral	AGREE		M	N
	Strongly 1	Somewhat 2	3	Somewhat 4	Strongly 5		
a) require all incoming students to take a course designed to build basic technology skills.	15.3	19.9	22.2	27.8	14.8	3.1	554
b) provide students more opportunities to use technology in their coursework.	3.1	7.3	33.5	40.6	15.5	3.6	549
c) provide library course reserves electronically.	1.3	2.2	18.9	31.4	46.3	4.2	551
d) require all courses at the UW to have a course website.	5.6	6.2	16.4	25.1	46.7	4.0	550
e) inform students of the technologies that will be required in each course.	1.8	1.6	13.8	38.2	44.6	4.2	552
f) encourage instructors to use technology in their teaching more often.	2.9	9.1	34.2	31.9	21.9	3.6	552
g) evaluate use of technology by instructors.	4.6	11.8	38.8	28.2	16.6	3.4	549
h) Other (specify): _____							

22. Considering your experiences with educational technologies at the UW, indicate **how often** each of the following statements is true for you.

	Never or almost never 0	Seldom 1	Sometimes 2	Usually 3	Always or almost always 4	M	N
a) I am proficient in using the educational technologies needed to complete my UW coursework or research.	.9	2.2	11.7	45.7	39.5	3.2	547
b) I am comfortable learning to use new technologies needed to complete my coursework or research.	.7	3.5	13.9	41.8	40.1	3.2	546
c) I can easily get access to a computer when I need it.	.4	3.3	10.3	24.5	61.5	3.4	551
d) I can easily find and use online library resources.	1.1	6.4	20.8	38.0	33.6	3.0	547
e) My use of educational technologies such as those listed in Question #8 improves my learning.	.7	3.9	31.8	39.9	23.6	2.8	534
f) My instructors are proficient in the educational technologies I need to complete coursework they assign.	.7	4.3	34.4	44.7	15.9	2.7	541
g) I receive adequate help from my instructors in using technologies to complete coursework they assign.	3.7	13.8	34.4	34.9	13.2	2.4	538
h) I receive adequate instruction from other sources in using technologies to complete my coursework.	3.2	8.9	35.1	40.1	12.8	2.5	539
i) My courses prepare me to use technology in my career field.	6.1	18.0	34.5	29.1	12.2	2.2	539
j) My instructors are proficient in using educational technologies for communication and presentations in their teaching.	1.5	7.8	39.2	38.6	12.9	2.5	541
k) My instructors' use of educational technologies improves my learning.	3.3	10.8	36.7	34.0	15.2	2.5	547
l) Educational technologies are used consistently throughout the University.	4.3	18.5	42.8	27.4	7.0	2.1	530

	Yes	No	N	If yes, in terms of your learning, what was the main …	
				ADVANTAGE?	DISADVANTAGE?
23. Have you used an on-line discussion board in a UW course?	43.1	56.9	554		
24. Have you taken a course at the UW in which the instructor gave computer-projected (e.g., PowerPoint) presentations?	74.7	25.3	554		

25. UW currently maintains 41 general-access multi-media classrooms (permanent computer at podium with projection capabilities), and five computer classrooms/collaboratories (computer at each student seat).

		Yes	No	N
a)	Have you attended class in a multi-media classroom?	63.6	36.4	582
b)	Have you attended class in a computer classroom/collaboratory?	44.7	55.3	582
c)	Do you have regular access to a laptop computer?	48.8	51.2	586

		Never or almost never	Seldom	Sometimes	Usually	Always or almost always	*M*	N
d)	If you have attended class in a multi-media classroom or collab, did your instructor make use of the multi-media capabilities?	11.3	5.8	24.3	28.9	29.6	2.6	432
e)	If your instructor made use of the multi-media capabilities, did it improve your learning? Why or why not? _____	10.6	6.2	23.0	39.3	20.9	2.5	417
f)	Do you take a laptop computer to class?	82.4	8.2	5.1	1.5	2.8	.3	527
g)	If more classrooms had wireless internet connections would you take a laptop computer to class?	49.1	11.3	17.1	10.9	11.5	1.2	524

26. What classroom conditions detract most from your learning? (Check all that apply.) Please also rank the THREE conditions that detract most by writing the corresponding letter in the appropriate space below.

a)	Poor acoustics	49.2
b)	Poor lighting	48.5
c)	Old rooms	31.3
d)	Dirty rooms	32.3
e)	Noise from outside	52.3
f)	Other (specify):	❏

1st : _____

2nd : _____

3rd : _____

OR ❏ Classroom conditions do not detract from my learning. 11.**5%**

_____

N = 600

27. What type of furniture do you prefer in a 20-30 student classroom? (Check all that apply.)

a)	Movable chairs with t-arms	37.3
b)	Fixed chairs with t-arms	8.5
c)	Movable chairs with 5' tables	50.8
d)	Fixed chairs with 5' tables	6.3
e)	Raised banks of fixed chairs and tables	24.7

N =600

f) Other (specify): ❏

_____

OR ❏ I do not have any preferences. **10.0%**

28. What do you consider to be the **single most important barrier** to your own use of educational technologies at the UW? Do you have other thoughts about your use or your instructors' use of technologies?

Thank you for your participation!

2. Your Major

School or Sub-College	N	%
A&S Arts	44	5.0
A&S Humanities	37	4.2
A&S Natural Sciences	121	13.7
A&S Social Sciences	141	16.0
Architecture	25	2.8
Business	88	10.0
Education	30	3.4
Engineering	102	11.6
Fisheries	11	1.2
Forestry	14	1.6
I-School	11	1.2
Social Work	11	1.2
Public Affairs	5	.6
Public Health	21	2.4
Law	14	1.6
Dentistry	5	.6
Nursing	22	2.5
Pharmacy	9	1.0
Medicine	28	3.2
Grad Interdisciplinary	6	.7
Other	105	11.9
Bothell Campus	11	1.2
Tacoma Campus	30	3.4
Total	882	