



# Faculty Survey on Instructional Technology 2001:

## School of Medicine Frequencies

### About You

Survey Mode:	N	%
Online	87	29.7
Paper	206	70.3

**2. Rank:**

	N	%
1) Full Professor	112	38.5
2) Associate Professor	84	28.9
3) Assistant Professor	49	16.8
4) Instructor	2	.7
5) Lecturer	21	7.2
6) Teaching Assistant	4	1.4
7) Other (specify):	9	6.5
TOTAL	291	

**3. Are you tenured?**

	N	%
No	197	67.2
Yes	81	27.6

**4. Current appointment:**

	N	%
a. 1) Part-time	40	15.0
2) Full-time	226	85.0
TOTAL	266	
b. 1) Regular	70	84.3
2) Adjunct	7	8.4
3) Temporary	6	6.2
TOTAL	83	

**5. Do you serve in an administrative capacity?**

	N	%
1) No	164	65.8
2) Yes, Dean	1	0.004
Yes, Chair/Chief	28	11.2
Yes, Director	39	15.6
Yes, Other	17	0.07
TOTAL	249	

**6. Highest degree**

	N	%
BS/BA	10	3.6
MS/MS	13	4.7
MD/DDS	140	50.4
PhD/EdD	112	40.3
Other	3	1.1
TOTAL	278	

**Year received highest degree**

	N	%
thru 1969	32	16.8
1970s	72	37.9
1980s	58	16.8
1990-94	19	10.0
1995+	9	4.7
TOTAL	190	

7. For how many courses and students are you the primary instructor this academic year (autumn through spring qtr.)?

Mean Number of ...	Lower Division		Upper Division		Graduate		ALL LEVELS	
	Courses	Students	Courses	Students	Courses	Students	Courses	Students
Classroom lectures	.6	63	.9	63	1.3	55	1.5	79
Discussion seminars	.3	9	.5	30	1.4	22	1.3	25
Other (e.g., lab, practicum):	1.5	36	1.7	18	1.3	22	1.6	25

### Your Use of Technology

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

0	1	2	3	4	N
Don't use	Novice	Intermediate	Advanced	Expert	
1.1%	57.0%	9.2%	27.5%	5.3%	284

9. Which of the following methods for learning about computers do you prefer most? (Check all that apply.) Please also rank your top THREE preferences by writing the corresponding letter in the appropriate space below.

	%		
a) I don't wish to learn more about computers.	4.1	1 <sup>st</sup> most preferred:	<u>EXPLORING</u> 28%
b) Workshops	44.0		<u>COLLEAGUES</u> 22%
c) On-line computer classes	27.6	2 <sup>nd</sup> most preferred:	<u>COLLEAGUES</u> 27%
d) Books, journals, tutorials	34.1		<u>LOCAL SUPPORT</u> 17%
e) Exploring, experimenting	66.6	3 <sup>rd</sup> most preferred:	<u>COLLEAGUES</u> 21%
f) Help from colleagues, friends, family	72.7		<u>LOCAL SUPPORT</u> 20%
g) Telephone consultants	23.5		
h) Local technical support	56.3		
i) Conferences in your discipline	14.0		
j) Other (specify): _____	3.3		

10. About how often do you use computers at the following places to do your work for the UW?

	Never	Once a year	Several times a year	Once a month	Several times a month	1-2 times a week	Every day	N
a) Campus office	3.5	0.0	0.4	0.4	0.7	2.8	92.2	282
b) Classroom	48.9	3.9	15.6	5.6	7.8	8.2	10.0	231
d) Home	2.9	0.0	0.5	0.7	5.8	25.0	63.0	276
e) While traveling	21.5	6.5	24.6	6.2	6.5	11.5	23.1	260
d) Other (specify): _____	38.7	0.0	0.0	0.0	12.9	12.9	35.5	31

11. What computer technology (if any) do you use at the UW? (Check all that apply.) For each item, indicate the number of years since it was replaced / up-graded.

	I use	Since Replacement / Upgrade			N
		1 year	2 years	3+ years	
a) Personal Computer (PC, IBM-compatible)	62.5	40.0	27.6	32.4	183
b) Macintosh (MAC)	45.1	39.1	27.5	33.3	132
c) Unix Workstation	9.2	35.7	35.7	28.6	27
d) Printer	78.8	25.6	26.9	47.6	231
e) Scanner	45.1	30.8	36.2	33.1	132
f) Drives, diskettes, etc. for file back-up	63.8	39.8	33.0	27.3	187
g) Digital camera	32.8	54.4	28.9	16.7	96
h) Other (specify): _____	1.7	42.9	57.1	0.0	5

12. What kind of Internet connection do you use ... (Percent checked in each column.)

	at the UW?	at home?	while traveling?	N
a) None	1.7	2.0	14.3	53
b) I don't know what kind of connection I use.	6.8	1.0	2.0	29
c) Campus network	83.3	8.5	5.8	286
d) Regular modem	2.4	51.2	41.0	277
e) Cable modem	1.0	19.8	1.0	64
f) Digital Subscriber Line (DSL) modem	1.0	14.3	.3	46
g) Wireless	1.0	2.0	.7	11
h) Other (specify): _____	1.0	.3	.7	6

13. How satisfied are you with your Internet connection at home?

	Very Dissatisfied	Somewhat Dissatisfied	Somewhat Satisfied	Very Satisfied	Not Applicable/ Don't know	N
a) speed	21.1%	28.4%	20.7%	26.9%	2.9%	275
b) reliability	12.7%	24.6%	32.1%	27.6%	3.0%	268

14. Do you ...

	No	Yes	N
a) have exclusive use of a computer at the UW?	8.5%	91.5%	283
b) communicate with email at work?	2.5%	97.5%	281
c) communicate with email at home?	7.1%	92.9%	282
d) have a non-UW email account?	24.5%	75.5%	277
e) transfer files between work and home?	18.6%	81.4%	280

If yes, which method do you use most often? (N=237)

1) 3.5" floppy:	30.8%	4) Other high capacity disk	1.3%	7) FTP (Fetch, WS-FTP)	9.7%
2) ZIP disk:	21.9%	5) CD burner	.8%	8) Other (specify):	5.9%
3) Jazz disk	0.0%	6) Email attachment	29.5%		

15. How often do you use the following to support your instruction at the UW?

	Never	Once a year	Several times a year	Once a month	Several times a month	1-2 times a week	Every day
a) Word processing	4.9	.4	4.9	3.9	11.3	14.8	59.7
b) Spreadsheet (e.g., Excel)	19.6	5.9	13.7	11.1	13.3	23.3	13.0
c) Presentation (e.g., PowerPoint)	16.7	2.9	15.3	12.7	23.6	21.1	7.6
d) Email (e.g., Pine, Outlook, Eudora)	5.1	.4	4.0	1.4	2.9	6.1	80.1
e) Calendar/scheduling	44.3	.4	3.7	2.6	5.9	7.0	36.2
f) Internet/Web access (e.g, Navigator)	6.8	.4	3.9	1.4	6.1	18.9	62.5
g) Web (HTML) editors (e.g., Frontpage)	67.7	3.0	6.7	5.2	8.6	5.6	3.3
h) Catalyst web-based tools	90.6	1.9	2.6	1.1	2.6	.8	.4
i) Courseware (e.g., WebCT, Blackboard)	97.7	.8	.8	0.0	0.0	.8	0.0
j) Publishing (e.g., Acrobat, PageMaker)	56.6	2.9	8.1	6.6	10.7	10.7	4.4
k) Graphics (e.g., Photoshop)	38.5	3.4	11.7	7.5	15.8	17.4	5.7
l) Multimedia authoring software	86.3	3.1	3.1	2.3	3.1	1.5	.8
m) Database (e.g., ACCESS, FileMaker)	52.7	1.5	8.0	7.6	9.8	11.4	9.1
n) Video editing software	92.5	1.9	3.0	.4	1.1	1.1	0.0
o) Statistical analysis software	50.6	6.6	12.2	9.6	11.1	7.0	3.0
p) Software to record/manage grades	82.7	.8	4.0	2.4	6.8	2.4	.8
q) Modeling or simulations	83.5	2.3	3.8	1.5	4.2	1.9	2.7
r) Overhead transparencies	29.0	5.1	20.2	12.5	17.6	11.8	3.7
s) Slides, filmstrips and/or movies	38.4	4.1	14.0	15.5	19.6	6.6	1.8
t) Video and/or audio tape	62.6	6.8	12.1	7.2	8.3	2.6	.4
u) Digital video and/or audio	83.1	5.0	2.7	3.8	3.1	2.3	0.0
v) Computer-projected presentations	43.6	6.0	15.8	9.4	15.0	8.6	1.5
w) Video conferencing	83.1	8.4	3.1	1.9	2.3	1.1	
x) 3-D modeling	89.0	2.3	3.4	1.1	1.9	1.1	1.1
y) Computer-generated animat/graphics	81.5	3.1	2.3	3.1	6.2	2.3	1.5
z) Other (specify):	96.0	0.0	0.0	2.0	0.0	0.0	2.0

16. Have you used any of the following Catalyst tools?

	Yes	No	Don't know	N
a) Peer Review (collaboration tool)	1.5	97.8	.7	263
b) WebQ (survey/quiz generator)	3.6	94.9	1.5	263
c) Epost (discussion board)	1.1	98.2	.7	261
d) Umail (feedback form)	1.8	97.4	.7	263
e) E-submit (assignment turn-in)	1.1	98.2	.7	263
f) Web Templates (course webpage)	5.1	94.1	.7	262
* <u>Any</u> Catalyst tool (derived from items a-f)	8.9	91.1	0.0	282

17. Which of the following issues concern you when using information technology to do your work for the University? (Check all that apply.) Please also rank your top THREE concerns by writing the corresponding letter in the appropriate space below.

A concern of (%)		A concern of (%)	
a) I don't have time.	49.8	l) There is no incentive (e.g., leave time, contribution toward tenure, financial).	25.3
b) I don't have the necessary skills.	53.6	m) I'm not convinced it would improve student learning.	17.1
c) I don't know how to get access.	27.3	n) Students may not be proficient.	5.8
d) I need upgraded hardware.	27.3	o) It's too much trouble.	20.5
e) I don't have adequate development tools.	20.5	p) It costs too much.	8.5
f) The applications and media I want to use don't run on machines in the classrooms.	10.6	q) Other (specify):	2.1
g) I don't have technical support in my department.	31.4	1 <sup>st</sup> highest concern: <u>TIME</u>	36%
h) I don't have on-site (e.g., classroom, lab) support.	16.0	<u>SKILLS</u>	26%
i) I don't have pedagogical support.	10.6	2 <sup>nd</sup> highest concern: <u>SKILLS</u>	11%
j) I'm not sure how to legally use copyrighted materials.	11.6	<u>TIME &amp; DEPT. SUPPORT</u>	11%
k) I'm concerned about losing my own intellectual property rights.	8.2	3 <sup>rd</sup> highest concern: <u>ACCESS</u>	12%
		<u>NO INCENTIVE</u>	10%

18. If you could easily obtain support and service, to what extent would you like to use the web for the following?

	Not at All	Somewhat	Very Much	Already Use	Don't Know
a) Mount course materials	18.3	21.5	32.7	22.3	5.2
b) Facilitate class discussions	34.2	27.0	21.9	7.6	9.3
c) Post student work	47.3	16.9	16.5	8.4	11.0
d) Access on-line course reserves	37.3	13.1	26.3	14.4	8.9
e) Gather information via on-line quizzes or surveys	43.5	24.9	17.3	5.1	9.3
f) Manage course grades	55.3	13.9	17.7	4.6	8.4
g) Submit final course grades	45.0	15.1	30.3	1.7	8.0
h) Access on-line materials archives	22.9	21.2	32.6	16.5	6.8
i) Conduct simulations or visualizations	36.1	17.4	33.2	5.8	7.5
j) Conduct research	23.2	16.3	25.2	28.5	6.9
k) Use Geographical Information System (GIS) or other spatial display of information	62.1	7.8	9.5	.9	19.8
l) Present work to other people at the UW	23.3	26.9	22.9	19.7	7.2
m) Present work to other people around the world	19.4	30.2	25.8	18.1	6.5
n) Facilitate collaboration with people at the UW	13.4	31.6	29.6	19.0	6.3
o) Facilitate collaboration with people around the world	16.0	28.0	32.0	17.6	6.4
p) Perform compositions, dances, or other music/art activities	89.2	2.2	1.3	0.0	7.3
q) Other (specify):	64.9	2.7	10.8	0.0	21.6

19. If you could easily obtain support and service, to what extent would you like to use the following resources for your work?

	Not at All	Somewhat	Very Much	Already Use	Don't Know
a) An email list of students in your class	20.1	10.7	25.0	41.8	2.5
b) Audio/video clips, animation, or slides	19.8	25.1	32.8	17.0	5.3
c) Videoconferencing	40.2	21.3	25.3	5.6	7.6
d) Streaming video	39.8	18.9	20.5	.8	20.1
e) Computer simulations	34.9	19.7	29.3	3.6	12.4
f) Multimedia presentations as class assignments	43.4	23.4	21.7	3.3	8.2
g) Textual analysis programs (e.g., Atlas)	50.2	7.9	6.2	1.7	34.0
h) Other (specify):	76.3	2.6	5.3	2.6	13.2

20. Where do you currently go for technical support for your instruction?

Resource	N	%
Nowhere	14	4.8
Colleague/Faculty/Friend	44	15.0
Department/Office	75	25.6
UW resource/Catalyst	15	5.1
Web resource	5	1.7
Other	7	2.4
No Answer (missing)	133	45.4

21. What 3 things could the University do to improve the information technology products and services it provides to you?

Service	N	%
Improve access	25	21.0
Improve support	39	32.8
Workshops/courses	37	31.1
Improve classroom capabilities	11	9.2

22. What technical skills should students have to participate in University courses?

Skill	N	%
Use email	24	23.5
Use word processing software	39	38.2
Have Web access	45	44.1
Use database or spreadsheet software	11	10.8

23. What technical skills should students have when they graduate from the UW?

Skill	N	%
Use email	19	20.0
Use word processing software	14	14.7
Have Web access	30	31.6
Use database or spreadsheet software	20	21.1

24. What resources need to be in place for students to learn required technical skills while they are at the UW?

Resource	N	%
Computer access or loans	8	10.5
Computer labs with assistance	19	25.0
Instruction/workshops	27	35.5
Programs define/require skills courses	8	10.5

## Your Experience with Technical Facilities in UW Classrooms

25. What type(s) of technology do you prefer to have available in the classroom? (Check all that apply.) Please also rank your top THREE choices by writing the corresponding letter in the appropriate space below.

	Preferred by (%)		Preferred by (%)
a) None	1.0	l) Laptop hook-up on podium	62.1
b) Overhead projector (for transparencies)	67.9	m) Multi-media (computer) projector	48.1
c) Television	21.5	n) Other (specify):	2.4
d) VCR	33.1		
e) Video disc player	3.8	1st most preferred:	<u>SLIDES</u> 29%
f) DVD	3.4		<u>MULTIMEDIA</u> 24%
g) Film projector	3.8	2nd most preferred:	<u>SLIDES</u> 23%
h) Slide projector	70.3		<u>LAPTOP HOOKUP</u> 22%
i) Audio tape player	2.7	3rd most preferred:	<u>OVERHEADS</u> 26%
j) CD player	4.4		<u>SLIDES</u> 15%
k) Permanent computer at podium	27.0		

26. What technical facilities that you want are missing from the classrooms you use?

Resource	N	%
Computer access	42	46.7
Multimedia	43	47.8
Personal help	2	2.2

27. UW currently maintains ten general-access multi-media classrooms (permanent computer at podium with projection capabilities), and two laboratories (computer at each student seat). Have you used these classrooms?

	Have you used these classrooms?		If you <u>haven't used</u> them, would you like to?		If you <u>have used</u> them, did you have technical problems? (describe)	
	Yes	% Yes	No	Yes	No	Yes
a) multi-media classrooms	33	13.4	(52.6)	(47.4)	(50)	(50)
b) laboratories	62	34.3	(71.2)	(28.8)	(26.3)	(73.7)

28. What size classrooms function well as multimedia classrooms? (Percent checking each option)

Small (<30): 36.8%      Intermediate (30-80): 37.9%      Large (80-200): 30.0 %      Very large (200+):17.4 %