2011 Faculty Survey on Teaching & Research Technologies

This survey asks about multiple aspects of your work as an educator at the University of Washington. It focuses on how and when you use technology to support both your teaching and research activities. Your participation in this survey is voluntary and confidential. No identifying information will be linked to your responses. You are free to skip any question. The survey should take about 15-20 minutes to complete.

Thank you in advance for your participation.

Section I: About You

Question 1.
Which of the following best describes your position at the University of Washington?

- ○ Department Chair/Director
- ○ Teaching Faculty
- ○ Research Faculty
- ○ Professional Staff
- ○ Other: _____

Question 2.
Which of the following best describes your tenure status?

- ○ Tenured
- ○ Tenure track (not yet tenured)
- ○ Non-tenure track appointment

Question 3.
What is your primary college, school, or division (broad category)?

- ○ Architecture & Urban Planning
- ○ Arts & Sciences – Arts
- ○ Arts & Sciences – Humanities
- ○ Arts & Sciences – Natural Sciences
- ○ Arts & Sciences – Social Sciences
- ○ Built Environments
- ○ Business
- ○ Dentistry
- ○ Education
- ○ Engineering
- ○ Environment
- ○ Information
- ○ Law
- ○ Medicine
- ○ Nursing
- ○ Pharmacy
- ○ Public Affairs
- ○ Public Health
- ○ Social Work
- ○ 50/50 appointment or other: _____

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Question 4.

What is your age?

- ○ 25 or under
- ○ 26-30
- ○ 31-35
- ○ 36-40
- ○ 41-45
- ○ 46-50
- ○ 51-55
- ○ 56-60
- ○ 61-65
- ○ 66-70
- ○ 71 or over

Question 5.

What is your gender?

- ○ Male
- ○ Female
- ○ Other

Question 6.

On a scale of 1 to 5, how would you rate your current technological expertise?

For the purposes of this survey, we're primarily concerned with your computer and Web-based skills. We've defined three points on the scale as follows. These tasks represent some of the things a person at each level might do.

Beginner: Able to use a mouse and keyboard, create a simple document, send and receive email, and/or access Web pages

Intermediate: Able to format documents using styles or templates, use spreadsheets for custom calculations and charts, and/or use graphics/Web publishing

Expert: Able to use macros in programs to speed tasks, configure operating system features, create a program using a programming language, and/or develop a database.

Beginner		Intermediate		Expert
(1)	(2)	(3)	(4)	(5)
O	O	O	O	O

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Question 7.

On a scale of 1 to 5, how would you rate your current digital and media literacy?

For the purposes of this survey, we're primarily concerned with the types of activities you engage in online. We've defined three points on the scale as follows. These activities represent some of the things a person at each level might do.

Consumer: Find and read articles and/or blogs online; purchase items online and/or view quality ratings of products or services; find and view videos or photos.

Producer: Contribute to a blog or forum conversation; search and contribute reviews for products or services; upload and tag photos or video for sharing online.

Activist: Create or maintain a Web site, wiki, blog or discussion forum for people with shared interests or concerns; produce and edit videos and audio for presentation online; use digital or online means to mobilize efforts in the public interest.

Consumer		Producer		Activist
(1)	(2)	(3)	(4)	(5)
O	O	O	O	O

Question 8.

When a new technology (hardware, software, or Web application) becomes available, how quickly do you tend to adopt it?

- O I never adopt it
- O After most of my colleagues
- O When it becomes mainstream
- O Before most of my colleagues
- O I'm one of the first to try it

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Section II: Teaching

A. Teaching Contexts

In this section, we ask about the technology you use in specific teaching contexts and the purposes for which you use technology.

Question 9.

Please choose one context in which you have taught UW students from Spring 2010 to Winter 2011.

- ○ Seminar/small discussion-based class (< 25 students)
- ○ Large discussion-based class (25+ students)
- ○ Small lecture (< 100 students)
- ○ Large lecture (100+ students)
- ○ Hybrid course (substantial online content with limited in-person meetings)
- ○ Online course (taught exclusively online)
- ○ Research team/lab
- ○ Studio or ensemble/rehearsal
- ○ Field experience, internship, practicum, or clinic (course-based)
- ○ Mentoring or advising students
- ○ I have not taught a class in one of the above contexts from Spring 2010 to Winter 2011

Question 10.

For the context selected above, think of the physical space in which you last taught. Use the scale below to rate the extent to which each of the following met your instructional needs .

	Not applicable	Did not meet my needs (1)	Met some of my needs (2)	Met all or most of my needs (3)
Digital presentation technology (e.g. computer and projector, document camera, smart board)	O	O	O	O
Presentation technology (e.g. overhead projector, white boards, black boards)	O	O	O	O
Technical support	O	O	O	O
Consistent wireless access	O	O	O	O
Furniture/Flexibility of seating arrangement	O	O	O	O
Number and location of electrical outlets	O	O	O	O

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Question 11.

Beyond the physical space, please indicate ALL of the tools or resources you used for instruction in the context you selected above (question 9).

Note: If you used a course management system (e.g. Blackboard, Moodle), please indicate the individual components you used.

- ☐ Course or project web page
- ☐ Presentation applications
- ☐ Online social networks (e.g. Facebook)
- ☐ Online discussion boards
- ☐ Online chat or instant messaging (e.g. Live Messenger, Gtalk)
- ☐ Online grade book
- ☐ Mobile device (e.g. mobile phone, iPad, iPod)
- ☐ Streaming or downloadable media (e.g. YouTube, Vimeo, podcasts)
- ☐ Blogs or Web-based journals (e.g. Blogger, Wordpress)
- ☐ Library e-reserves
- ☐ Online surveys, quizzes, or polls
- ☐ Online assignment submission
- ☐ Videoconferencing or Web-conferencing
- ☐ Micro-blogging services (e.g. Twitter)
- ☐ Digital image collections (e.g. Flickr, UW Libraries Collections)
- ☐ Research databases and indexes (e.g. ERIC, PubMed, Google Scholar)
- ☐ Audience response system ("Clickers")
- ☐ Simulations/educational games
- ☐ Collaborative Web sites and applications (e.g. Wikis, Sharepoint)
- ☐ RSS feeds or readers (e.g. Google Reader, NetNewsWire)
- ☐ Online portfolios
- ☐ Visualization technologies (e.g. interactive graphics, virtual reality)
- ☐ Research and citation applications (e.g. RefWorks, Zotero, Endnote)
- ☐ Web-based file management
- ☐ None of these
- ☐ Other: _____

Question 12.

What types of Web tools did you use or asked your students to use in this context? Select all that apply.

- ☐ I did not use Web tools in this context
- ☐ Catalyst Web tools (e.g. WebQ, GoPost, Collect It, GradeBook)
- ☐ Course management system (e.g. Blackboard, Moodle)
- ☐ Google Apps (e.g. Docs, Sites, Calendar)
- ☐ Windows Live/Office 365 (e.g. SkyDrive, Spaces, Calendar)
- ☐ Department-created tools
- ☐ Other: _____

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Question 13.

For which of the following purposes did you use technology in this context? Select all that apply.

- ☐ I did not use technology in this context
- ☐ To save time/increase my efficiency
- ☐ To ensure student access to course information
- ☐ To provide lecture, overview, or study materials
- ☐ To distribute and/or collect assignments
- ☐ To assess students' learning
- ☐ To encourage student participation/interaction during class time
- ☐ To encourage student participation/interaction outside of class time
- ☐ To provide opportunities for students to create materials/share information
- ☐ To help students synthesize their experiences across courses or across curricular and extra-curricular activities
- ☐ To help students develop technical skills
- ☐ To help students develop research skills
- ☐ To provide students with information about their progress and/or grade throughout the quarter
- ☐ To submit final grades at the end of the quarter
- ☐ Other: _____

B. Supports & Obstacles

In this section we would like to know what helps or hinders your use of technologies for teaching.

Question 14.

Think of times when you needed to learn to do something new with a technology to support your teaching. Rate how helpful you found the following sources of support:

	Never used this resource	Not helpful (1)	Moderately helpful (2)	Very helpful (3)
Self (trial and error)	O	O	O	O
UW online help or tutorial	O	O	O	O
Non-UW online help or tutorial	O	O	O	O
Campus technology workshop	O	O	O	O
Teaching or research assistant	O	O	O	O
Your students	O	O	O	O
Colleagues	O	O	O	O
Friends	O	O	O	O
Family	O	O	O	O
Technical support (department, college or school)	O	O	O	O
Catalyst Tools help (email, phone, or in person)	O	O	O	O
UW Information Technology help (help@uw.edu or phone)	O	O	O	O
Classroom Support Services	O	O	O	O

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Question 15.

When you used or planned to use technology to support your teaching, to what extent, if at all, did the following present an obstacle to you?

	Not an obstacle (1)	Minor obstacle (2)	Major obstacle (3)
Lack of knowledge about teaching technologies available for use at the UW	O	O	O
Lack of knowledge about where to go to learn the technology	O	O	O
Lack of time to learn how to use the technology	O	O	O
Lack of knowledge about how to use the technology to achieve my goals	O	O	O
Lack of time to maintain or monitor technology once implemented	O	O	O
Lack of timely technical support	O	O	O
Lack of personal motivation	O	O	O
Concern about a technical problem affecting my teaching	O	O	O
Lack of time to teach students to use the technology	O	O	O
Concern about students' ability to access needed software or equipment	O	O	O
Poorly functioning or inadequate technology in my teaching environment	O	O	O
Lack of incentives to use technology in teaching	O	O	O

Question 16.

Budget reductions have affected, and will continue to affect, a range of issues related to teaching. Rate your level of agreement with the following statements based on your current experience as an instructor.

	Strongly agree (1)	Agree (2)	No opinion (3)	Disagree (4)	Strongly disagree (5)
There are too many students in my classes	O	O	O	O	O
I have the teaching assistant help I need	O	O	O	O	O
I am teaching the courses I want to teach	O	O	O	O	O
My department is not currently offering the range of courses students need	O	O	O	O	O
I have the technical support I need from my department, school, or college	O	O	O	O	O
I have the technical support I need from central UW (Classroom Support Services, Catalyst, UW-IT)	O	O	O	O	O

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Section III: Research

In this section, we are interested in learning about your research, and the tools and services you need to support this work.

Question 17.
Do you conduct scholarly research as part of your position at UW?

- ○ Yes
- ○ No

Question 18.
In what ways, if any, have you integrated research activities in your teaching (in any context)? Select all that apply.

- ☐ I use inquiry-based methods of learning in my classes
- ☐ I have students analyze and/or contribute information to a research dataset
- ☐ I require students to conduct independent research as part of their coursework
- ☐ I involve students in my own research projects
- ☐ I mentor students conducting independent research
- ☐ I do not integrate research activities in my teaching
- ☐ I do not teach
- ☐ Other: _____

Question 19.
Which of the following best describes your current research?

- ○ Solo research
- ○ Collaborative research
- ○ Both solo and collaborative research

Question 20.
Which of the following describe your research collaborators? Select all that apply.

- ☐ Colleagues at the UW
- ☐ Colleagues in other academic or research institutions
- ☐ Colleagues in the community or community-based organizations
- ☐ Domestic colleagues
- ☐ International colleagues
- ☐ Other: _____

Question 21.
With approximately how many collaborators do you work?

☐

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Question 22.
Which of the following tools do you use to share information or communicate with your collaborators? Select all that apply.

- ☐ Telephone/teleconferencing
- ☐ Email
- ☐ Online chat or instant messaging
- ☐ Text messaging via mobile phone
- ☐ Desktop synchronization software
- ☐ Web seminar (e.g. Adobe Connect, WebEx)
- ☐ Skype
- ☐ Videoconferencing
- ☐ File sharing software
- ☐ Web-based file storage
- ☐ Project Web page
- ☐ Wiki
- ☐ Sharepoint
- ☐ None of the above
- ☐ Other: _____

Question 23.
What types of data do you gather and/or analyze in your research? Select all that apply.

- ☐ Quantities/statistics
- ☐ Text (e.g. literature, transcripts, field notes, musical scores)
- ☐ Images (e.g. photographs, maps, drawings, flow charts)
- ☐ Multimedia digital objects and/or Web artifacts
- ☐ Audio recordings
- ☐ Video recordings
- ☐ Geo-tagged objects/Spatial data
- ☐ Other: _____

Question 24.
Which of the following units best describes the quantities of data you work with?

- ○ Megabytes (One megabyte = the contents of approximately one book)
- ○ Gigabytes (One gigabyte = the contents of approximately 30 feet of books)
- ○ Terabytes (One terabyte = the contents of an entire library of books)
- ○ Petabytes or greater (One petabyte = the contents of 1,000 libraries)

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Question 25.
Where do you store your data? Select all that apply.

- ☐ On my computer
- ☐ On an external device (e.g., hard drive, thumb drive)
- ☐ On a server that I manage or that is managed by my research team
- ☐ On a server managed by my department, college, or school
- ☐ In a data center (w/multiple servers) that I manage or that is managed by my research team
- ☐ In a data center managed by my department, college, or school
- ☐ In a data center managed by UW Information Technology
- ☐ In a data center managed by an external (non-UW) provider (e.g., contract service, Google, Amazon, or Microsoft)
- ☐ Other: _____

Question 26.
Complete the statement: "Over the next three years, I expect the amount/complexity of data I work with to…"

- ○ Decrease
- ○ Stay about the same
- ○ Increase
- ○ Increase exponentially

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Question 27.

Rate the extent to which the following resources represent an unmet need in your current research:

	No need/ Need currently met (1)	Minor need (2)	Major need (3)
Quick advice on technical matters, when needed, via telephone or email	O	O	O
Access to individuals with expertise in domain knowledge needed for my project	O	O	O
An ongoing relationship with technical consultants familiar with my research	O	O	O
Research assistant(s) with relevant knowledge/expertise	O	O	O
Access to hardware/software for investigations I am currently doing or would like to do	O	O	O
Solutions for storing/archiving/managing collected data or artifacts	O	O	O
Solutions for granting public access to data or artifacts	O	O	O
Opportunities to learn about technology that is relevant to my work	O	O	O
Opportunities for collaboration or knowledge sharing with individuals doing similar work	O	O	O

Question 28.

Please elaborate on any needs indicated above or describe any additional needs not listed.

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Section IV: Future

In this section, we are interested in knowing where you think the UW should put its resources in the next three years to support your work.

Question 29.
There are several technology-related changes that the UW could pursue over the next three years. What priority would you assign to each item?

	Low Priority	Medium Priority	High Priority
Improve wireless infrastructure across campus	O	O	O
Increase Green IT efforts (reducing use of paper, etc…)	O	O	O
Make campus spaces more friendly for mobile devices and laptops (e.g. add open spaces and electrical outlets)	O	O	O
Develop mobile applications to support teaching and learning	O	O	O
Expand the technical support available in my department, school, or college	O	O	O
Provide more support on how to select and use technology to meet my instructional goals	O	O	O
Sponsor forums for collegial discussion of teaching with technology	O	O	O
Require all courses to use a consistent set of online tools (e.g. all courses would use Blackboard or all courses would use Catalyst)	O	O	O
Support and integrate a variety of online tools that instructors and students can select form for use in courses (e.g. Catalyst, Google)	O	O	O
Better integrate all online information related to a single course in MyUW (e.g. course description, e-reserves, time schedule info)	O	O	O
Equip similarly-sized classrooms across campus with the same standard technologies	O	O	O
Create a limited number of classrooms with advanced technologies	O	O	O
Improve response to classroom technical problems (e.g. funding to hire more staff).	O	O	O

Question 30.
Is there anything more we should consider regarding technology, teaching, and research as the UW sets its priorities? Please explain.

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