

# ECAR Faculty Study, 2014

This is a printable version of an online survey. The online survey varies in format based on branching or "skipping" logic programmed into the survey.

*The content of the online version of this survey will not substantially deviate from what is published in this document; however some questions and answer options may be removed to maintain the 15-minute maximum time frame for the survey.*

## Message to Participants

Welcome to the 2014 ECAR faculty technology survey. This survey should take you no more than 15 minutes to complete, and your responses are anonymous. We ask questions about your experiences with and attitudes toward technology and your faculty role. Your responses will help people on your campus and beyond understand how technology can benefit the academic community. There are no right or wrong answers; we'd just like you to answer as honestly as you can. Participation in the survey is completely voluntary, and at any point you can choose to exit the survey. <<The first page of the survey includes the full informed consent statement posted here: <https://net.educause.edu/ir/library/pdf/ss14/2014InformedConsentDocumentationforFacultyStudy.pdf> >>

You must be at least 18 years old and employed as a faculty member to participate in this survey. Click the "Next" button below if you agree to participate.

## Section 1: About You

### 1.1 What college or university asked you to participate in this survey? <<Required, screening question>>

<<Dropdown list of colleges/universities that qualify to participate in the study.>>

<<If a respondent selects an institution that indicated they will NOT use the ECAR incentive message, skip Q1.7; all others see Q1.3>> If a respondent selects "My institution is not on this list," they will be skipped to the "Thank you, but you are not eligible to take this survey. Please contact your survey administrator." page.

### 1.2 Which of the following best describes your faculty status during the current academic year? Check all that apply. <<Required, screening question>>

☐ I'm not part of the institution's faculty. <<skip to the "Thank you, but you are not eligible to take this survey. Please contact your survey administrator." page.>>

- ☐ Distinguished or endowed professor
- ☐ Full professor
- ☐ Associate professor
- ☐ Assistant professor
- ☐ Clinical professor
- ☐ Instructor
- ☐ Lecturer
- ☐ Research associate
- ☐ Research professor
- ☐ Adjunct professor/instructor/faculty
- ☐ Administrative assignments/reassign time for administrative duties
- ☐ Other; please specify: \_\_\_\_\_

### 1.3 Are you currently employed as a:

- ☐ Full-time faculty member
- ☐ Part-time faculty member

#### 1.4 What is your primary assignment?

- ☐ Teaching faculty  
☐ Research and scholarly faculty  
☐ Clinical faculty  
☐ Administrative assignment → please describe \_\_\_\_\_  
☐ Other assignment → please describe \_\_\_\_\_

#### 1.5 Do you *primarily* work with...

- ☐ Undergraduate students  
☐ Graduate students  
☐ Professional students  
☐ N/A, I don't typically work directly with students

#### 1.6 How many years of experience do you have as:

- \_\_\_\_ Full-time faculty  
\_\_\_\_ Part-time faculty

**1.7 If you would like to be entered into a drawing to receive a \$100 or \$200 Amazon.com gift certificate, please provide your e-mail address here.** *The drawing will be held by June 30, 2014, and e-mail addresses will be permanently deleted from our database no later than July 31, 2014. Your e-mail address will only be used for the purpose of this drawing.* \_\_\_\_\_

## Section 2: Technology Adoption and Use

**2.1 Thinking about the past year, please rate your experiences with technology for the following resources/services/spaces provided by your institution:**

<<randomize list>> <<either break into separate tables or keep items clustered as indicated by table spaces>>	N/A	Don't know	Poor <<ask respective follow-up questions>>	Fair <<ask respective follow-up questions>>	Neutral	Good	Excellent
Classroom-based technology resources (e.g., computers, projection systems, lecture capture systems, SMART boards, etc.)							
Laboratory or research-based technology resources (e.g., computers, research equipment, etc.)							
Physical collaborative spaces (e.g., computer labs, testing centers, research labs, etc.)							
Online collaborative spaces (e.g., synchronous or asynchronous virtual connections)							
Access to institutional resources and ability to get my work done while traveling or living in other states or countries							
Reliable access to Wi-Fi networks throughout campus/laboratory facilities							
Communication technologies (e.g., e-mail, IM, web-based conferences services, social media, etc.)							
Online or virtual technologies (e.g., network or cloud-based file storage system, web-portals, etc.)							

Technology support (e.g., desktop support, classroom technology support, course media production support, etc.)							
Professional development around integrated use of technology in your faculty role (e.g., technology training opportunities, incentives, and encouragement)							
Specialized teaching software							
High-performance computing/research computing services							
Cloud-based high-performance computing (or research computing) systems							
Data management services							
Digital repositories for researchers and scholars							
Digital preservation and curation of research data							
Access to open content							
Self-publishing							
Other: _____							

**2.2 You rated \_\_\_\_\_ <<pipe in item from question above>> poor or fair; tell us one thing your institution can do to improve this technology resource/service/space: \_\_\_\_\_ <<open ended>>**

**2.3 Please tell us how much you agree or disagree with the following statements. My institution generally...**

	N/A	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
...improves student outcomes through an approach that uses technology.							
...has strategic partnerships between the information technology unit(s) and institutional leadership.							
...assists faculty with integration of information technology.							
...uses analytics to support critical institutional outcomes.							
...supports the trends toward IT consumerization and bring-your-own device.							
...has a clear strategy for online learning.							
...facilitates a better understanding of information privacy and security.							
...has an agile approach to IT infrastructure that can respond to changing conditions and new opportunities.							

**2.4 Please tell us how much you agree or disagree with the following statements about data/information privacy and security:**

	N/A	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
My institution's privacy and security policies impede my productivity.							
I have confidence in my institution's ability to safeguard my personal information.							
I have access to all the resources I need to keep my research and scholarly data secure.							
I take sufficient measures to keep my research and scholarly data secure.							
I take sufficient measures to keep data about my students secure.							

**2.5 To what extent do you agree with the following statements about online learning?**

<<randomize list>>	N/A	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
Online learning helps students learn more effectively.							
Online learning helps students complete degrees faster.							
Online learning will reduce the number of faculty needed.							
Online learning will give faculty more time for research and scholarship.							
Online learning will lead to pedagogical breakthroughs.							
Online learning can never replace small seminars.							
Online learning will make higher education available to more students.							
Online learning will make higher education more affordable.							
Online learning benefits students.							
Online learning benefits faculty.							
Online learning benefits administrators.							

**2.6 Tell us ONE thing that your institution can do with technology to better facilitate or support your faculty role.** <<open-ended>> \_\_\_\_\_

**2.7 When you need technology support or assistance for school-related activities, which sources to you typically use? Check all that apply.**

- ☐ Ask your peers, friends, or family
- ☐ Ask your teaching assistants
- ☐ Ask your students
- ☐ Search Google, YouTube, or another online source
- ☐ Contact the company or vendor
- ☐ Use the college/university help desk services <<if checked ask next question>>
- ☐ Other: specify \_\_\_\_\_

**2.8 Please rate your experience with the following college/university technology help-desk services:**

<<randomize list>>	Service not offered	Haven't used service in the past year	Don't Know	Poor	Fair	Neutral	Good	Excellent
Walk-in								
Phone								
E-mail								
Web form								
Chat/IM								
Text								
Remote assistance/desktop								
Social media (Twitter, Facebook, etc.)								
Video								
Self-service wiki								
Self-service portal								
Self-service FAQ								
Overall rating of help-desk services								
Other: _____								

**Section 3: Technology for Teaching and Learning** <<Note: non-teaching faculty skip this section; branch based on Q1.4>>

**3.1 To what extent do you agree with the following statements?**

<<randomize list>>	Don't know	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Agree	Strongly agree
I wish my students were better prepared to use institutionally specific technology (e.g., the course registration system, the learning management system, the library search system).						
I wish my students were better prepared to use basic software programs and applications (e.g., MS Office, Google Apps, etc.).						
Most of my students have adequate technology skills for carrying out course activities.						
Too many of my students look to me or my teaching assistants for technology support to fulfill course requirements.						

**3.2 Tell us ONE thing that your students could do to be more prepared to use technology to facilitate their academic success.** <<open-ended>> \_\_\_\_\_

**3.3 How interested are you in your institution providing your students with the following early-alert or intervention notifications, even if it means additional input on your part?**

	Don't know	Not at all interested	Not very interested	Moderately interested	Very interested	Extremely interested
Guidance about courses they may consider taking in the future, such as using "you may also like" or "we recommend" suggestions						
Alerts if it appears a student's progress in a course is declining						
Suggestions for how to improve performance in a course if a student's progress is substandard						
Suggestions about new or different academic resources for your students (e.g., tutoring, skills-building opportunities, etc.)						
Automated tracking of your students' course attendance via college/university ID card scanners or other automated means						

**3.4 I could be a more effective faculty member if I were better skilled at integrating this technology into my courses:**

<<randomize list>>	N/A	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
Course or learning management system (Blackboard, Moodle, Sakai, Desire2Learn, Canvas by Instructure, etc.)							
E-portfolios							
E-books or e-textbooks							
Free, web-based content to supplement your course-related materials (e.g., Khan Academy, YouTube)							
Simulations or educational games							
Lecture capture/classroom-based recordings (for later use/review)							
Online collaboration tools (Blackboard Collaborate, Adobe Connect, Google Docs)							
Students' tablets during class							
Students' smartphones during class							
Students' laptops during class							
Social media as a teaching and learning tool							
3D printers							

Non-keyboard or non-mouse computer interfaces like voice, touchscreen, and gesture-based interactions							
Students' use of mobile devices during class							

**3.5 What are your TOP training/professional development needs for better using technology to facilitate or support your teaching assignments?** <<open-ended>> \_\_\_\_\_

**3.6 Pick up to three factors that would motivate you to integrate more or better technology into your teaching practices or curriculum:** <<Limit choices to three items max>>

- ☐ More/better technology-oriented professional development opportunities
- ☐ A monetary or other value-oriented incentive
- ☐ Tenure decisions and other professional advancement considerations
- ☐ Release time to design/redesign my courses
- ☐ Direct assistance from an instructional design expert to design/redesign my courses
- ☐ Direct assistance from IT staff to support the technology I choose to implement
- ☐ A teaching assistant to assist with technology implementation
- ☐ Support/encouragement from peers
- ☐ Working in a faculty cohort or community that is adopting the same types of practices
- ☐ A better understanding of the types of technologies that are relevant to teaching and learning
- ☐ Confidence that the technology would work the way I planned
- ☐ Increased student expectations of technology integration
- ☐ Clear indication/evidence that students would benefit
- ☐ Other: \_\_\_\_\_

#### **Section 4: Learning Environments** <<non-teaching faculty skip this section; branch based on Q1.4>>

**4.1 In the past year, to what extent have the learning environments you taught in been blended learning?** (By "blended" we mean that at least part of your instruction/teaching was through online delivery of content and part was through face-to-face interaction with your students and that there was at least some element of student control over time, place, path, or pace.)

- ☐ None
- ☐ A few
- ☐ About half
- ☐ Nearly all
- ☐ All

**4.2 In the past year, have you taught in a completely online learning environment for at least one course (no formal face-to-face interaction with your students)?** *Select the best answer that describes your online teaching experience.*

- ☐ No. <<skip next question about teaching a MOOC>>
- ☐ Yes, at least one of my courses was completely online.
- ☐ Yes, less than half my teaching load was online only.
- ☐ Yes, half my teaching load was online only.
- ☐ Yes, more than half my teaching load was online only.
- ☐ Yes, all my teaching load was online only.

**4.3 In the past year, have you taught a MOOC (massive open online course) through any institution/organization (e.g., Coursera, Udacity, edX, MITx, etc.)?**

- ☐ No, and I don't know what a MOOC is.
- ☐ No.
- ☐ Yes, through the institution that asked me to take this survey.
- ☐ Yes, through another institution or MOOC provider like Coursera or Udacity.

**4.4 What is your perception of the value of MOOCs (massive open online courses) in higher education.**

- ☐ Don't know
- ☐ Completely opposed
- ☐ Generally opposed, but willing to consider a place for MOOCs in higher education
- ☐ Neutral
- ☐ Generally supportive, but somewhat skeptical about MOOCs' place in higher education
- ☐ Completely supportive

**4.5 Rate your satisfaction with the following classroom technologies:**

	N/A	Don't know	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied
Availability of classrooms with multimedia equipment							
Variety of equipment available							
Reliability of equipment available							
Refresh/update frequency of equipment							
Variety of software							
Refresh/update frequency of software							
General ease-of-use of podium systems							
Computers in the podiums							
Software on the podium computers							
Computer projection							
Audience response systems (e.g., clickers)							
Wireless access							
Overall satisfaction							

**4.6a Please indicate how you use the learning management system: *select all that apply***

- ☐ I don't use the LMS at all. <<This is an exclusive answer option>> <<skip all questions in this Q4.6 series about LMS>>
- ☐ To push out information, such as posting a syllabus or other handouts
- ☐ To promote interaction outside of the classroom by using discussion boards, assignments, assessments, etc.
- ☐ To teach partially online courses (or competency-based programs)
- ☐ To teach completely online courses (or competency-based programs)

**4.6b. How often do you typically use the learning management system during a typical academic term?**

- ☐ Daily
- ☐ Weekly
- ☐ Monthly
- ☐ Less than monthly



**4.6c What learning management system does your institution use?**

- ☐ Blackboard Learn
- ☐ Blackboard Learn—Angel Edition (Angel LMS)
- ☐ Blackboard Learn—CE (WebCT Campus Edition)
- ☐ Blackboard Learn—Vista (WebCT Vista)
- ☐ Desire2Learn
- ☐ Instructure Canvas
- ☐ Jenzabar e-Racer
- ☐ Moodle (Moodle Trust)
- ☐ Moodlerooms Joule
- ☐ Pearson eCollege
- ☐ Sakai CLE (rSmart)
- ☐ Sakai CLE (Sakai Foundation)
- ☐ Homegrown/locally developed solution
- ☐ Other product \_\_\_\_\_
- ☐ Don't know

**4.6d Please indicate your satisfaction with the following aspects of the learning management system.**

<<randomize list>><<break into two equal tables>>	N/A	Don't Know	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied
System availability							
System response time							
Ease of use							
Phone support							
Online self-help materials							
Initial use training							
Ongoing training/professional development							
As a course management tool							
As an online collaboration tool							
Posting content (e.g., syllabus, recorded lectures, supplemental learning materials, e-texts, podcasts, blogs)							
Managing assignments (e.g., due-date notifications, progress notifications, time management tips)							
Monitoring or managing enrollments							
Entering student progress information (e.g., assignment grades/points, to-date cumulative grade/points)							
Receiving course assignments reliably							
Engaging in meaningful interactions with students (e.g., via discussion boards, direct contact, or social media connections)							

**4.6e Please indicate your level of agreement with the following statements about the learning management system.**

<<randomize list>>	N/A	Don't Know	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
The LMS is critical to my teaching.							
The LMS is very useful as a tool to enhance my teaching.							
The LMS is very useful as a tool to enhance student learning.							

**4.7 What is your typical in-class policy for the following mobile devices?**

	Don't know	Ban students from using it in class	Discourage students from using it in class	Neither discourage nor encourage students about using it in class	Encourage students to use it in class	Require students to use it in class
Smartphone						
Tablet or iPad						
Laptop						
Wearable technologies (e.g., Google Glass)						

**4.8 Please tell us about the extent you agree or disagree with the following statements about students' in-class use of mobile technology.**

	N/A	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
The use of mobile devices in-class can enhance learning.							
In-class use of mobile devices is distracting.							
I am concerned about the security/privacy problems of mobile technology.							
I'd like to have more training/professional development around effectively incorporating mobile devices into my courses.							
I create assignments that take advantage of student access to mobile technologies.							
Other: _____							

**4.9 What technology has the greatest potential positive impact on your faculty role? \_\_\_\_\_**

<<open ended>>

**Section 5: Technology for Research and Scholarship** <<Research and Scholarly faculty only. Branch based on response to Q1.4>>

**5.1 To what extent do you agree with the following statements about your institution's support for your research?**

<<randomize list>>	Not applicable to my research	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
I have adequate physical space to conduct my research initiatives.							
My institution provides resources to support cross-institutional research collaborations.							
I have access to the specialized software/applications I need to conduct my research.							
I have access to the specialized hardware I need to conduct my research.							
I receive adequate and appropriate support from IT staff to conduct my research.							
I receive timely support from IT staff to conduct my research.							
My institution has procedures in place to ensure that new faculty have the technology they need to initiate research programs.							
My institution has procedures in place to ensure that faculty doing research are provided ongoing technology support throughout the promotion and tenure process.							
My institution has effective strategies for funding research computing.							
Software that supports grant applications and management is effective at my institution.							
My institution's text analysis capabilities are adequate.							
In general, I am satisfied with my institution's support for my research needs.							

**5.2 Do you conduct data-intensive research?** Note: data-intensive research requires special high-performance computing software or equipment.

( ) No <<skip next question>>

( ) Yes

**5.3 To what extent do you agree with the following statements about your institution's support for your data-intensive research?**

<<randomize list>>	Not applicable to my research	Don't know	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
I have adequate network bandwidth available to conduct my research activities.							
I have adequate data storage for my research initiatives.							
Most of my research data are stored in a cloud-based/virtual environment.							
IT professionals are proactive rather than reactive in responding to my research computing needs.							
The wait time for research computing consultation assistance is too long.							
Communication between me/my research team and IT professionals regarding research computing needs/issues is adequate and appropriate.							
IT professionals play an integral part in providing research computing services for me/my research team.							
I am generally satisfied with the provision of research computing technologies at my institution.							

## Section 6: Demographic and Informational Questions

**6.1a. Rate yourself in terms of your *DISPOSITION* towards information technology on the following scales:**

<<slider bar>>

	1	2	3	4	5	6	7	
Reluctant								Enthusiast
Late adopter								Early adopter
Technophobe								Technophile
Skeptic								Cheerleader
By-the-book								Experimenter
Critic								Supporter
Conservative								Radical

**6.1b. Rate your ATTITUDE towards information technology on the following scales? <<slider bar>>**

	1	2	3	4	5	6	7	
Dissatisfied								Satisfied
Discontent								Content
Perturbed								Pleased
Burdensome								Beneficial
Useless								Useful
Distraction								Enhancement

**6.1c. Rate yourself in terms of your USAGE of information technology on the following scales? <<slider bar>>**

	1	2	3	4	5	6	7	
Unavailable								Available
Never connected								Always connected
Peripheral								Central
Old media								New media
Infrequent								Frequent
Satiable								Insatiable

**6.2 When it comes to social media (e.g., Facebook, Twitter, LinkedIn), do you prefer to keep your academic life and social life separate?**

- ☐ No  
☐ Yes

**6.3 May we share your open-ended, written responses with your institution? If you click "Yes," your written responses will be included in a file with all other written responses from the survey participants at your institution. Written response will be separated from the rest of the survey responses to help preserve individual participants' anonymity. If you have included information in your written responses that could identify you, we suggest clicking "No."**

- ☐ No  
☐ Yes

**6.4 Are you...?**

- ☐ Male  
☐ Female  
☐ Other  
☐ Prefer not to answer

**6.5 In what area is your current faculty load? Pick the one that best fits your primary assignment.**

- ☐ Agriculture and natural resources  
☐ Biological/life sciences  
☐ Business, management, marketing  
☐ Communications/journalism  
☐ Computer and information sciences  
☐ Education, including physical education  
☐ Engineering and architecture

- ☐ Fine and performing arts
- ☐ Health sciences, including professional programs
- ☐ Humanities
- ☐ Liberal arts/general studies
- ☐ Manufacturing, construction, repair, or transportation
- ☐ Physical sciences, including mathematical sciences
- ☐ Public administration, legal, social, and protective services
- ☐ Social sciences, including history and psychology
- ☐ Other (please describe) \_\_\_\_\_

**6.6 What is your ethnic background? Select all that apply.** <<Skip if respondent is not from a U.S.-based institution>>

- ☐ White
- ☐ Black/African American
- ☐ Hispanic
- ☐ American Indian or Alaskan native
- ☐ Asian/Pacific Islander
- ☐ Other
- ☐ Prefer not to answer

**Thank you for responding to our questions. Click FINISH to submit your survey.**