

April 9, 2008

## **Classroom Technology Committee Report (2007-2008)**

### MEMBERS:

Asllani, Beni BMGT Chair  
Dileepan, P BMGT  
Dieken, Holly HECO  
Kendall, Catherine HECO  
McDonald, Gary ENGR  
Najberg, Andy ENGL  
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Walters, Terry MATH  
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Director, Walker TRC (Adsit, Karen)

The dual purposes of the classroom technology committee (CTC) are to identify faculty needs for instructional technology/technology training and to advise the Director of the Teaching Resource Center, Media Resources, the University Technology Committee, the Faculty Senate, the Information Technology Advisory senate, and the Information Technology Division on technological issues that affect classroom instruction. During the 2007-2008 academic year, CTC conducted its work mostly online. We had our first face-to-face meeting on September 27, 2007 at 3:15 at Fletcher 305. The meeting followed this agenda:

1. Introduction of Committee Members
2. Classroom Technology Concerns which CTC may work the 2007-2008
3. Classroom Technology Resolution (as requested by the Faculty Senate)

Members of the CTC agreed to conduct the work online, if possible. One major proposal was to conduct an online survey. The purpose of the survey is to assess the degree of classroom technology utilized by UTC faculty, and the level of its support by IT staff. Beni Asllani and was asked to prepare the survey and Jason Griffey (Head of Library Information Technology) posted the survey online. All members of the CTC provided feedback on the instrument and were asked to distribute/ask the faculty of their respective school/college to complete the survey. The survey was completed by 59 UTC faculty members and a copy of the instrument (Appendix A) and a summary of survey results (Appendix B) are attached to this report.

As the Chair of this committee, I like to thank the Senate for the opportunity to serve. I also want to thank the members of the CTC for their time and valuable input during the year.

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## Appendix A: Survey Instrument

This is a survey conducted by the Classroom Technology Committee (CTC) at UTC. The purpose of the survey is to assess the degree of classroom technology utilized by UTC faculty, and the level of its support by IT staff.

Your Name  
Your College  
Your Department

Please choose the best answer to these questions about your typical classroom:

A. Teachers can use technology to support instruction of students and for professional growth. Do you, as a teacher, use technology in the following ways?

1. I use technology to provide technology-rich learning experiences for my students (includes online research, online collaborative projects, etc.).

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

2. I use technology to provide non-traditional forms of student assessment (includes multimedia presentations, website creation, electronic portfolios, etc.).

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

3. I use technology to collaborate with other educators online (includes electronic bulletin boards, email, online groups, etc.).

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

4. I participate in online courses.

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

5. I maintain a professional electronic portfolio.

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

6. I use technology to enhance productivity (such as lesson plan creation, grade book use, parental communication, assessment/worksheet creation, etc.).

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

7. I use technology tools and applications to enhance assessment practices.

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

B. In your classroom, how often do MOST of your students accomplish the following types of activities?

1. My students use e-mail to communicate with each other, professor, experts, or others.

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

2. My students use word processing programs (Word), spreadsheets (Excel), and/or databases (Access).

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

3. My students create multi-media productions using applications such as PowerPoint, Inspiration, TimeLiner, GraphMaster, GraphClub, and/or other applications.

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

4. My students conduct online research.

- a. daily
- b. weekly
- c. monthly
- d. rarely or occasionally
- e. never

5. My students use technology for self-directed learning, problem-solving, or extended learning activities.

- a. daily
- b. weekly

- c. monthly
  - d. rarely or occasionally
  - e. never
6. My students use equipment such as digital cameras, probes (to collect data), and/or scanners to enhance learning.
- a. daily
  - b. weekly
  - c. monthly
  - d. rarely or occasionally
  - e. never
7. My students use technology for simulations or virtual tours.
- a. daily
  - b. weekly
  - c. monthly
  - d. rarely or occasionally
  - e. never
8. My students use technology for computer-assisted learning (assistive or adaptive technology for special needs students).
- a. daily
  - b. weekly
  - c. monthly
  - d. rarely or occasionally
  - e. never

C. How often students use the Internet for your classes.

1. Estimate how often students in your class use technology for learning to access content areas (Lectures, Course documents, E-books)
- a. daily
  - b. weekly
  - c. monthly
  - d. rarely or occasionally
  - e. never
2. Which, if any, of the following Web resources do you use for instructional support and educational activities? (Select all that apply)
- a. Blackboard
  - b. UTC library and its databases
  - c. Search engines (Google, Ask.com, etc.)
  - d. Other Web sites

- D. Which, if any, of the following devices do you routinely use to support classroom instruction? (Select all that apply)
- a. Assistive/Adaptive Devices(to assist special needs students)
  - b. Computer Projection Devices (large screen TV monitors or LCD projectors)
  - c. Digital Still Cameras
  - d. Digital Video Cameras
  - e. HDTV monitors (digital)
  - f. Printers
  - g. Laser disc players
  - h. Personal Digital Assistants (PDAs) (Palm or Pocket PC)

- i. Scanners
  - j. SmartBoards (or Star Panels)
  - k. Text Editors (AlphaSmart, DreamWriters)
  - l. Television (not computer monitors)
  - m. TV production studio
  - n. Web TV units
  - o. Probes
  - p. GPS Units
- Graphing Calculators
- q. Flex Cam
  - r. VCR Player
  - s. DVD player
  - t. Audio System
  - u. Video conferencing
  - v. i-Pods
  - x. other (please specify)
- E. Using Blackboard for face to face learning
1. Do you use Blackboard or your own classroom-based Web site?
- a. Blackboard
  - b. My own classroom website
  - c. both of the above
  - d. none of the above
2. How many hours per day do you spend responding to email and/or Blackboard posts related to content being taught in your face-to-face courses?
- a. less than 1 hour
  - b. between 1 and 4 hours
  - c. between 4 and 8 hours
  - d. between 8 and 12 hours
  - e. more than 12 hours
- F. Do you routinely use e-mail for professional correspondence?
- a. Yes
  - b. No
- G. Do you have Internet access at home?
- a. Yes
  - b. No
- H. Please answer these questions about your technology use:
1. How many hours per month do you spend on a computer for activities such as backups, loading software, organizing files, or basic computer maintenance?
- a. less than 1 hour
  - b. between 1 and 4 hours
  - c. between 4 and 8 hours
  - d. between 8 and 12 hours
  - e. more than 12 hours
2. How many hours per month do you spend updating your own classroom-related Web page?
- a. less than 1 hour
  - b. between 1 and 4 hours
  - c. between 4 and 8 hours
  - d. between 8 and 12 hours

- e. more than 12 hours
3. How many hours per month do you spend attempting to resolve your own computer problems with no assistance?
- a. less than 1 hour
  - b. between 1 and 4 hours
  - c. between 4 and 8 hours
  - d. between 8 and 12 hours
  - e. more than 12 hours
4. How many hours per month do you spend on casual learning activities, such as reading technology-related manuals or using online help?
- a. less than 1 hour
  - b. between 1 and 4 hours
  - c. between 4 and 8 hours
  - d. between 8 and 12 hours
  - e. more than 12 hours
5. When you must report a technology-related problem, how long does it usually take to be resolved? Estimate the time between reporting the problem and having it resolved.  
(Include Help Desk requests, time waiting for problems to be resolved, network outages, problems with software, email downtime, printer failure, and other issues related to computer availability)
- a. between 1 and 2 days
  - b. between 2 and 4 days
  - c. between 4 and 6 days
  - d. between a week and 2 weeks
  - e. more than 2 weeks
6. Which of the following professional development opportunities do you need? (Check ALL that apply)
- a. Basic Computer Hardware Skills
  - b. Advanced Technology Skills (website development; GPS, video production)
  - c. Basic Productivity Software Application Training (word processing, spreadsheets, presentations, databases)
  - d. Advanced Productivity Software Application Training (word processing, spreadsheets, presentations, databases)
  - e. E-Mail Communications
  - f. Grant Writing Skills
  - g. Specialized Software Training
  - h. Integration of Technology
  - i. Classroom Internet Research
  - j. Use of Electronic Grade books
  - k. Other (please specify)

Thank You for your feedback. The results of the survey will be made available to every one at a later time.

Appendix B: Summary of Survey Results:  
**Classroom Technology Committee Survey**

**First Respondent Date: 09 Feb 2008 03:44**

**Last Respondent Date: 07 Mar 2008 15:15**

Number of Completed Surveys: 59

<b>Your College (Excel Graph)</b>		%
<a href="#">College of Arts and Sciences</a>	7	12%
<a href="#">College of Business</a>	17	29%
<a href="#">College of Engineering &amp; Computer Science</a>	19	32%
<a href="#">College of Health, Education, and Professional Studies</a>	12	20%
<a href="#">Graduate School</a>	0	0%
<a href="#">University Library</a>	4	7%
<b>Total:</b>	59	100%

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<b>I use technology to provide technology-rich learning experiences for my students(includes online research, online collaborative projects, etc.) (Excel Graph)</b>		%
<a href="#">daily</a>	27	47%
<a href="#">weekly</a>	17	29%
<a href="#">monthly</a>	7	12%
<a href="#">rarely or occasionally</a>	4	7%
<a href="#">never</a>	3	5%
<b>Total:</b>	58	100%

<b>I use technology to provide non-traditional forms of student assessment (includes multimedia presentations, website creation, electronic portfolios, etc.). (Excel Graph)</b>		%
<a href="#">daily</a>	16	28%
<a href="#">weekly</a>	6	11%
<a href="#">monthly</a>	13	23%
<a href="#">rarely or occasionally</a>	13	23%
<a href="#">never</a>	9	16%
<b>Total:</b>	57	100%

<b>I use technology to collaborate with other educators online (includes electronic bulletin boards, email, online groups, etc.). (Excel Graph)</b>		%
<a href="#">daily</a>	27	47%
<a href="#">weekly</a>	11	19%
<a href="#">monthly</a>	6	10%
<a href="#">rarely or occasionally</a>	11	19%
<a href="#">never</a>	3	5%
<b>Total:</b>	58	100%

<b>I participate in online courses. (Excel Graph)</b>		%

<a href="#">daily</a>	13	22%
<a href="#">weekly</a>	7	12%
<a href="#">monthly</a>	4	7%
<a href="#">rarely or occasionally</a>	23	40%
<a href="#">never</a>	11	19%
<b>Total:</b>	58	100%

<b>I maintain a professional electronic portfolio. (Excel Graph)</b>		%
<a href="#">daily</a>	6	11%
<a href="#">weekly</a>	4	7%
<a href="#">monthly</a>	3	5%
<a href="#">rarely or occasionally</a>	16	28%
<a href="#">never</a>	28	49%
<b>Total:</b>	57	100%

<b>I use technology to enhance productivity (such as lesson plan creation, grade book use, parental communication, assessment/worksheet creation, etc.). (Excel Graph)</b>		%
<a href="#">daily</a>	38	67%
<a href="#">weekly</a>	11	19%
<a href="#">monthly</a>	3	5%
<a href="#">rarely or occasionally</a>	3	5%
<a href="#">never</a>	2	4%
<b>Total:</b>	57	100%

<b>I use technology tools and applications to enhance assessment practices. (Excel Graph)</b>		%
<a href="#">daily</a>	21	37%
<a href="#">weekly</a>	16	28%
<a href="#">monthly</a>	7	12%
<a href="#">rarely or occasionally</a>	8	14%
<a href="#">never</a>	5	9%
<b>Total:</b>	57	100%

<b>My students use e-mail to communicate with each other, professor, experts, or others. (Excel Graph)</b>		%
<a href="#">daily</a>	36	63%
<a href="#">weekly</a>	16	28%
<a href="#">monthly</a>	1	2%
<a href="#">rarely or occasionally</a>	2	4%
<a href="#">never</a>	2	4%
<b>Total:</b>	57	100%

<b>My students use word processing programs (Word), spreadsheets (Excel), and/or databases (Access). (Excel Graph)</b>		%
<a href="#">daily</a>	26	46%
<a href="#">weekly</a>	25	44%
<a href="#">monthly</a>	2	4%
<a href="#">rarely or occasionally</a>	2	4%
<a href="#">never</a>	2	4%
<b>Total:</b>	57	100%

<b>My students create multi-media productions using applications such as PowerPoint, Inspiration, TimeLiner, GraphMaster, GraphClub, and/or other applications. (Excel Graph)</b>			%
<a href="#">daily</a>	3		5%
<a href="#">weekly</a>	11		19%
<a href="#">monthly</a>	23		40%
<a href="#">rarely or occasionally</a>	15		26%
<a href="#">never</a>	6		10%
<b>Total:</b>	58		100%

<b>My students conduct online research. (Excel Graph)</b>			%
<a href="#">daily</a>	7		12%
<a href="#">weekly</a>	21		36%
<a href="#">monthly</a>	20		34%
<a href="#">rarely or occasionally</a>	7		12%
<a href="#">never</a>	3		5%
<b>Total:</b>	58		100%

<b>My students use technology for self-directed learning, problem-solving, or extended learning activities. (Excel Graph)</b>			%
<a href="#">daily</a>	18		31%
<a href="#">weekly</a>	20		34%
<a href="#">monthly</a>	11		19%
<a href="#">rarely or occasionally</a>	6		10%
<a href="#">never</a>	3		5%
<b>Total:</b>	58		100%

<b>My students use equipment such as digital cameras, probes (to collect data), and/or scanners to enhance learning. (Excel Graph)</b>			%
<a href="#">daily</a>	2		4%
<a href="#">weekly</a>	8		14%
<a href="#">monthly</a>	12		21%
<a href="#">rarely or occasionally</a>	16		29%
<a href="#">never</a>	18		32%
<b>Total:</b>	56		100%

<b>My students use technology for simulations or virtual tours. (Excel Graph)</b>			%
<a href="#">daily</a>	4		7%
<a href="#">weekly</a>	7		12%
<a href="#">monthly</a>	3		5%
<a href="#">rarely or occasionally</a>	21		37%
<a href="#">never</a>	22		39%
<b>Total:</b>	57		100%

<b>My students use technology for computer-assisted learning (assistive or adaptive technology for special needs students). (Excel Graph)</b>			%
<a href="#">daily</a>	5		9%

<a href="#">weekly</a>	3	5%
<a href="#">monthly</a>	3	5%
<a href="#">rarely or occasionally</a>	24	42%
<a href="#">never</a>	22	39%
<b>Total:</b>	57	100%

<b>Estimate how often students in your class use technology for learning to access content areas (Lectures, Course documents, E-books) (Excel Graph)</b>		%
<a href="#">daily</a>	26	45%
<a href="#">weekly</a>	20	34%
<a href="#">monthly</a>	5	9%
<a href="#">rarely or occasionally</a>	3	5%
<a href="#">never</a>	4	7%
<b>Total:</b>	58	100%

<b>Which, if any, of the following Web resources do you use for instructional support and educational activities? (Select all that apply) (Excel Graph)</b>		%
<a href="#">Blackboard</a>	52	29%
<a href="#">UTC library and its databases</a>	38	21%
<a href="#">Search engines (Google, Ask.com, etc.)</a>	50	28%
<a href="#">Other Web Sites</a>	40	22%
<b>Total:</b>	180	100%

<b>Which, if any, of the following devices do you routinely use to support classroom instruction? (Select all that apply) (Excel Graph)</b>		%
<a href="#">Assistive/Adaptive Devices(to assist special needs students)</a>	6	2%
<a href="#">Computer Projection Devices (large screen TV monitors or LCD projectors)</a>	50	19%
<a href="#">Digital Still Cameras</a>	16	6%
<a href="#">Digital Video Cameras</a>	9	3%
<a href="#">HDTV monitors (digital)</a>	5	2%
<a href="#">Printers</a>	45	17%
<a href="#">Laser disc players</a>	4	2%
<a href="#">Personal Digital Assistants (PDAs) (Palm or Pocket PC)</a>	5	2%
<a href="#">Scanners</a>	24	9%
<a href="#">SmartBoards (or Star Panels)</a>	8	3%
<a href="#">Text Editors (AlphaSmart, DreamWriters)</a>	6	2%
<a href="#">Television (not computer monitors)</a>	7	3%
<a href="#">TV production studio</a>	2	1%
<a href="#">Web TV units</a>	0	0%
<a href="#">Probes</a>	5	2%
<a href="#">GPS Units - Graphing Calculators</a>	1	0%
<a href="#">Flex Cam</a>	2	1%
<a href="#">VCR Player</a>	17	6%
<a href="#">DVD player</a>	26	10%
<a href="#">Audio System</a>	14	5%
<a href="#">Video conferencing</a>	2	1%
<a href="#">i-Pods</a>	3	1%
<a href="#">other (please specify)</a>	4	2%
<a href="#">Other:</a>	4	2%

<b>Total:</b>	265	100%
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<b>Do you use Blackboard or your own classroom-based Web site? (Excel Graph)</b>		%
<a href="#">Blackboard</a>	41	71%
<a href="#">My own classroom website</a>	0	0%
<a href="#">both of the above</a>	9	16%
<a href="#">none of the above</a>	8	14%
<b>Total:</b>	58	100%

<b>How many hours per day do you spend responding to email and/or Blackboard posts related to content being taught in your face-to-face courses? (Excel Graph)</b>		%
<a href="#">less than 1 hour</a>	27	47%
<a href="#">between 1 and 4 hours</a>	28	49%
<a href="#">between 4 and 8 hours</a>	2	4%
<a href="#">between 8 and 12 hours</a>	0	0%
<a href="#">more than 12 hours</a>	0	0%
<b>Total:</b>	57	100%

<b>Do you routinely use e-mail for professional correspondence? (Excel Graph)</b>		%
<a href="#">Yes</a>	57	98%
<a href="#">No</a>	1	2%
<b>Total:</b>	58	100%

<b>Do you have Internet access at home? (Excel Graph)</b>		
<a href="#">Yes</a>	55	95%
<a href="#">No</a>	3	5%
<b>Total:</b>	58	100%

<b>How many hours per month do you spend on a computer for activities such as backups, loading software, organizing files, or basic computer maintenance? (Excel Graph)</b>		
<a href="#">less than 1 hour</a>	5	9%
<a href="#">between 1 and 4 hours</a>	31	53%
<a href="#">between 4 and 8 hours</a>	13	22%
<a href="#">between 8 and 12 hours</a>	3	5%
<a href="#">more than 12 hours</a>	6	10%
<b>Total:</b>	58	100%

<b>How many hours per month do you spend updating your own classroom-related Web page? (Excel Graph)</b>		%
<a href="#">less than 1 hour</a>	26	46%
<a href="#">between 1 and 4 hours</a>	9	16%
<a href="#">between 4 and 8 hours</a>	15	26%
<a href="#">between 8 and 12 hours</a>	2	4%
<a href="#">more than 12 hours</a>	5	9%
<b>Total:</b>	57	100%

<b>How many hours per month do you spend attempting to resolve your own computer problems with no assistance?</b>		
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<b>(Excel Graph)</b>		
<a href="#">less than 1 hour</a>	18	31%
<a href="#">between 1 and 4 hours</a>	32	55%
<a href="#">between 4 and 8 hours</a>	5	9%
<a href="#">between 8 and 12 hours</a>	0	0%
<a href="#">more than 12 hours</a>	3	5%
<b>Total:</b>	58	100%

<b>How many hours per month do you spend on casual learning activities, such as reading technology-related manuals or using online help? (Excel Graph)</b>		%
<a href="#">less than 1 hour</a>	19	33%
<a href="#">between 1 and 4 hours</a>	23	40%
<a href="#">between 4 and 8 hours</a>	8	14%
<a href="#">between 8 and 12 hours</a>	3	5%
<a href="#">more than 12 hours</a>	5	9%
<b>Total:</b>	58	100%

<b>When you must report a technology-related problem, how long does it usually take to be resolved? Estimate the time between reporting the problem and having it resolved.(Include Help Desk requests, time waiting for problems to be resolved, network outages, problems with software, email downtime, printer failure, and other issues related to computer availability) (Excel Graph)</b>		%
<a href="#">between 1 and 2 days</a>	37	65%
<a href="#">between 2 and 4 days</a>	15	26%
<a href="#">between 4 and 6 days</a>	2	4%
<a href="#">between a week and 2 weeks</a>	1	2%
<a href="#">more than 2 weeks</a>	2	4%
<b>Total:</b>	57	100%

<b>Which of the following professional development opportunities do you need? (Check ALL that apply) (Excel Graph)</b>		%
<a href="#">Basic Computer Hardware Skills</a>	7	6%
<a href="#">Advanced Technology Skills (website development; GPS, video production)</a>	27	23%
<a href="#">Basic Productivity Software Application Training (word processing, spreadsheets, presentations, databases)</a>	5	4%
<a href="#">Advanced Productivity Software Application Training (word processing, spreadsheets, presentations, databases)</a>	16	14%
<a href="#">E-Mail Communications</a>	2	2%
<a href="#">Grant Writing Skills</a>	13	11%
<a href="#">Specialized Software Training</a>	15	13%
<a href="#">Integration of Technology</a>	15	13%
<a href="#">Classroom Internet Research</a>	2	2%
<a href="#">Use of Electronic Gradebooks</a>	5	4%
<a href="#">Other (please specify)</a>	3	3%
<a href="#">Other:</a>	5	4%
<b>Total:</b>	115	100%

