## Longitudinal Study on Learning Methods and ICT Use in Teaching in Quebec Universities

(Instructor's survey)

### About this research project

This research is conducted by the CREPUQ's Pedagogy and Information and Communication Technologies Subcommittee. Our objective is to determine how teaching and study practices affect students' acquisition of knowledge. These practices include the use of information and communication technologies. Our team will be surveying both instructors and students.

Similar to research conducted by EDUCAUSE in the United States, our study is longitudinal, i.e. it is repeated many times in order to chart changing results over time. It is carried out provincewide. Surveys will be administered simultaneously in most Quebec universities.

#### **Confidentiality**

This research project has been approved by the Concordia University Human Research Ethics Committee. We ask pourself, but be assured that the information obtained will remain STRICTLY CONFIDENTIAL. Only members of the research team will have access to the collected data.

Moreover, this survey is anonymous. We ask you to provide a course number, so that you will fill out the survey with this course in mind.

Please note that these surveys are UNRELATED to your institution's course evaluations. Your participation is VOLUNTARY.

#### Importance of your participation

By taking part in our research on "the learning methods and ICT methods in Quebec universities", you become eligible for a draw! You could win one of five iPads (a value of 700\$). Our study has been approved by the FQPPU.

Your participation is important! We thank you for taking a few moments to fill out this survey.

#### How much time will it take?

The survey should take approximately 15 minutes to complete. Please be assured that these few minutes are crucial to helping us develop a more complete understanding of current academic teaching practices.

Instructor characteristics					]
Course number for this survey (please choose one course that you currently teach)					Bio01
In which department do you currently teach? (you may provide more than one response)					Bio02
		and Literature	including	and Humanities, Business	
Which type of faculty offers the course you teach? (please provide one single response)		)		Dilied Sciences,	]   Bio03 
		Life Sciences	Engineering a	and Computers	
				<u> </u>	]
What is your current title?	Professor	Visiting Professor	Lecturer	Other	Bio04
•	0	0	0	0	]
	1	2	3	4	
How many courses do you teach annually?	0	0	0	0	Bio05
now many courses do you teach annually?	5	6	If more than 6, p	]	
	0	0			]
How many times have you taught this course?	1	2 to 5	5 to 10	> 10	Bio06
non many amos have you taught and course:	0	0	0	0	]
Are you the appointed instructor or co-instructor	Yes	No			Bio07
for this course?	0	0			2,007
To which university are you attached?					Bio08

									1			
If a question does not apply, please check N/A box. Words in bold and/or capitals indicate emphasis.												
words in bold and/or capitals indicate emphasis.												
Perceived computer profiency level												
a de												
Which statement best corresponds to your computer profiency level?												
Unfamiliar  I have no experience with computer technologies.												
I am able to perform basic functions in a limited number of computer app	_	inner tions.		)								
I demonstrate a general competency in a number of computer app		erage itions.	C	)			Com01					
A I have acquired the ability to competently use a broad spectrum of computer tech		nced ogies.	C	)								
I am extremely proficient in using a wide variety of computer tech		xpert ogies.	(	)								
									1			
Level of experience with available resources												
	- <i>Unk</i>	known 2	3 <b>to m</b>	e 4	<b>Fa</b> i	niliar 6	to me <del>-)</del>	N/A				
instructional technology	0	0	0	0	0	0	0	0	Fam01			
multimedia and computer equipped classrooms (	0	0	0	0	0	0	0	0	Fam02			

computer labs with students

course management systems (Moodle, WebCT, Claroline, course portals, etc.)

Fam03

Fam04

0

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If a question does not apply, please check N/A box. Words in bold and/or capitals indicate emphasis.

### Knowledge of ICT tools and related activities

Indicate how often you have	← Never			Often→							
mulcate now often you have	1	2	3	4	5	6	7	N/A			
conducted Internet searches.	0	0	0	0	0	0	0	0	Act01		
used instant messaging (chat).	0	0	0	0	0	0	0	0	Act02		
listened to audio files on the Web.	0	0	0	0	0	0	0	0	Act03		
watched video segments on the Web.	0	0	0	0	0	0	0	0	Act04		
CONSULTED an online forum.	0	0	0	0	0	0	0	0	Act05		
TAKEN PART in an online forum.	0	0	0	0	0	0	0	0	Act06		
CONSULTED a wiki.	0	0	0	0	0	0	0	0	Act07		
CONTRIBUTED to a wiki.	0	0	0	0	0	0	0	0	Act08		
READ a blog.	0	0	0	0	0	0	0	0	Act09		
WRITTEN a blog.	0	0	0	0	0	0	0	0	Act10		

Among the following tools, you have heard of OR used  Please check a single box per line	Heard of	Used
email (ex.: g <i>mail, Yahoo, Hotmail</i> )	0	0
blogging (ex.: Blogger, WordPress)	0	0
microblogging (ex.: Twitter)	0	0
aggregators (ex.: RSS feeds, Google Reader, NetVibes)	0	0
podcasting (ex.: iTunes, Miro, Audacity)	0	0
collaborative content creation tools (ex.: Wikipedia, Etherpad, Bubbl.us)	0	0
social networking (ex.: MySpace, Facebook, Linkedn, XING)	0	0
multimedia file sharing (ex.: Flickr, YouTube, SlideShare, Creative Commons)	0	0
social bookmarking (ex.: Delicious, Diigo)	0	0
meeting planners and surveys (ex.: Doodle)	0	0
web conferencing (ex.: Skype, VIA, DimDim, Elluminate)	0	0
social games (ex.: Second Life)	0	Ó

N/A	
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If a question does not apply, please check N/A box. Words in bold and/or capitals indicate emphasis.

### Identify one course

Before filling out the rest of the survey, **choose one course among those you are currently teaching. Make sure that the selected course reflects your usual teaching practices.**Respond to the questions based on that particular course.

# Frequency of information and communication technology use in your course

In THIS course, indicate how often you have USED the	←Ne	ver			Often→						
ollowing tools	1	2	3	4	5	6	7	N/A	]		
Moodle, WebCT, Claroline, Sakai, course portals, etc.	0	0	0	0	0	0	0	0	Uti01		
All forms of email	0	0	0	0	0	0	0	0	Uti02		
Tests, quizzes, etc.	0	0	0	0	0	0	0	0	Uti03		
Presentation applications such as <i>PowerPoint</i> , concept mapping tools such as <i>Cmaptools</i> , etc.	0	0	0	0	0	0	0	0	Uti04		
Word processing	0	0	0	0	0	0	0	0	Uti05		
Desktop publishing, video, photography, scans or screen captures, etc.	0	0	0	0	0	0	0	0	Uti06		
Wiki, document sharing, etc.	0	0	0	0	0	0	0	0	Uti07		
Log books, electronic portfolios, etc.	0	0	0	0	0	0	0	0	Uti08		
Schedules, datebooks, etc.	0	0	0	0	0	0	0	0	Uti09		
Internet, mulimedia CD-ROMs or DVDs, etc.	0	0	0	0	0	0	0	0	Uti10		
Blogs, chats, forums, etc.	0	0	0	0	0	0	0	0	Uti11		
Tutorials, drill and practice exercises etc.	0	0	0	0	0	0	0	0	Uti12		
Simulations, virtual experiments, etc.	0	0	0	0	0	0	0	0	Uti13		
Specialized tools and software (SPSS, Autocad, etc)	0	0	0	0	0	0	0	0	Uti14		
Library services (databases, reference management software such as Endnote and Procite, research tools)		0	0	0	0	0	0	0	Uti 15		

If a question does not apply, please check the N/A bo	X.
Words in bold and/or capitals indicate emphasis.	

# Perceived student learning experience during this course

	←Strongly disagree			ree	Stre	ongly	agree-		
During THIS course, indicate your agreement to whether you believe the students	1	2	3	4	5	6	7	N/A	
had <b>effective interactions</b> with the instructor.	0	0	0	0	0	0	0	0	Per01
had <b>effective interactions</b> with other students.	0	0	0	0	0	0	0	0	Per02
were in <b>control</b> of their learning.	0	0	0	0	0	0	0	0	Per03
actively participated.	0	0	0	0	0	0	0	0	Per04
took advantage of learning opportunities and resources	0	0	0	0	0	0	0	0	Per05
developed knowledge of basic concepts and facts.	0	0	0	0	0	0	0	0	Per06
learned to think critically about the subject matter.	0	0	0	0	0	0	0	0	Per07

### Suggested learning strategies during this course

Among the following learning strategies, indicate now often	<b>←</b> Never								
you encouraged students in THIS course to	1	2	3	4	5	6	7	N/A	]
systematically review course notes.	0	0	0	0	0	0	0	0	Str01
summarize the material and relate it to other known material.	0	0	0	0	0	0	0	0	Str02
create outlines and identify the important ideas.	0	0	0	0	0	0	0	0	Str03
compare and contrast content.	0	0	0	0	0	0	0	0	Str04
use the material to form new ideas, theories or hypotheses.	0	0	0	0	0	0	0	0	Str05
assess, evaluate, and/or critique the material.	0	0	0	0	0	0	0	0	Str06

If a question does not apply, please check the N/A box.	
Words in bold and/or capitals indicate emphasis.	

## Instructional techniques used during this course

During THIS course, indicate how often you employed the	←Never Always→								
following techniques:	1	2	3	4	5	6	7	N/A	]
instructor led lectures	0	0	0	0	0	0	0	0	Ped01
books, textbooks and other written material	0	0	0	0	0	0	0	0	Ped02
class discussions	0	0	0	0	0	0	0	0	Ped03
individual projects and/or individual assignments	0	0	0	0	0	0	0	0	Ped04
group projects and/or <b>group assignments</b>	0	0	0	0	0	0	0	0	Ped05
computer-based learning (including simulations)	0	0	0	0	0	0	0	0	Ped06
portfolios	0	0	0	0	0	0	0	0	Ped07
problem-based learning including case studies	0	0	0	0	0	0	0	0	Ped08
experiential learning and/or field studies	0	0	0	0	0	0	0	0	Ped09

If a question does not apply, please check N/A box. Words in bold and/or capitals indicate emphasis.

### Perceived effectiveness of ICT use in this course

For THIS course, indicate how effective you consider the	←ine	effectiv	⁄e		Effective→						
use of the following ICTs:	1	2	3	4	5	6	7	N/A	]		
Moodle, WebCT, Claroline, Sakai, course portals, etc.	0	0	0	0	0	0	0	0	Eff01		
All forms of email	0	0	0	0	0	0	0	0	Eff02		
Tests, quizzes, etc.	0	0	0	0	0	0	0	0	Eff03		
Presentation applications such as <i>PowerPoint</i> , concept mapping tools such as <i>Cmaptools</i> , etc.		0	0	0	0	0	0	0	Eff04		
Word processing	0	0	0	0	0	0	0	0	Eff05		
Desktop publishing, video, photography, scans or screen captures, etc.	0	0	0	0	0	0	0	0	Eff06		
Wiki, document sharing, etc.	0	0	0	0	0	0	0	0	Eff07		
Log books, electronic portfolios, etc.	0	0	0	0	0	0	0	0	Eff08		
Schedules, datebooks, etc.	0	0	0	0	0	0	0	0	Eff09		
Internet, mulimedia CD-ROMs or DVDs, etc.	0	0	0	0	0	0	0	0	Eff10		
Blogs, chats, forums, etc.	0	0	0	0	0	0	0	0	Eff11		
Tutorials, drill and practice exercises etc.	0	0	0	0	0	0	0	0	Eff12		
Simulations, virtual experiments, etc.	0	0	0	0	0	0	0	0	Eff13		
Specialized tools and software (SPSS, Autocad, etc)	0	0	0	0	0	0	0	0	Eff14		
Library services (databases, reference management software such as Endnote and Procite, research tools)		0	0	0	0	0	0	0	Eff15		

If a question does not apply, please check the N/A box.
Words in bold and/or capitals indicate emphasis.

## Overall perception of ICT use

Regarding THIS COURSE and the ICT tools you have used ←Ineffective			⁄e	Effective→						
	1	2	3	4	5	6	7	N/A	I	
<b>OVERALL</b> , I believe the use of Information and Communication Technologies in this course is	0	0	0	0	0	0	0	0	Eff16	
	←Never			Always→				·		
	1	2	3	4	5	6	7	N/A	I •	
OVERALL, in this course, indicate how often you have used ICT tools	0	0	0	0	0	0	0	0	Uti1	
ndicate your level of agreement with the following statements					04					
IN GENERAL,	1	ongly 2	aisag 3	ree 4	5	6	agree 7	N/A		
ICTs make my job as an instructor a lot easier.	0	0	0	0	0	0	0	0	Pgu0	
ICTs are <b>useful</b> for the <b>classes</b> I teach.	0	0	0	0	0	0	0	0	Pgu0	
ICTs are useful for my other professional activities.	0	0	0	0	0	0	0	0	Pgu0:	
I <b>enjoy</b> using ICTs.	0	0	0	0	0	0	0	0	Pgu0-	
ICTs help me teach more effectively.	0	0	0	0	0	0	0	0	Pgu0:	
ICTs make it easier to collaborate with students and other instructors.	0	0	0	0	0	0	0	0	Pgu0	
I use ICTs because I have to not because I want to.	0	0	0	0	0	0	0	0	Pgu0	
ICTs improve the quality of my work	0	0	0	0	0	0	0	0	Pgu0	
ICTs do not work the way I want them to.	0	0	0	0	0	0	0	0	Pgu0	
Students need ICTs to succeed in this course.	0	0	0	0	0	0	0	0	Pgu10	

Thank you very much for your collaboration!