

Application

North-West University
Potchefstroom Campus
Private Bag X6001
Tel: +27 18 299 4566
Potchefstroom
2520
South Africa

Candidate:	Dorothy Joy Laubscher
University number:	10218343
Qualification:	MEd Mathematics Education
Programme code:	403 126
Curriculum code:	O807P
Descriptive name:	Mathematics Education
Title of thesis:	Mathematics teacher-students' attitude towards Information and Communication Technology across three countries
Relationship to niche area / focus area:	NWU Niche Area: Educational Technology for Effective Teaching, Learning and Facilitation
Supervisor:	Prof A.S. Blignaut
Co-supervisors:	Prof H.D. Nieuwoudt Mr C.J. Els

Based on the cooperation and joint research activities between UEF and NWU Dorothy Joy Laubscher apply permission to collect data for her master thesis on "Mathematics teacher-students' attitude towards Information and Communication Technology across three countries" at the School of Applied Education and teacher training. The data collection and analysis should be done following ethical principles. The data will be collected from the students of "J740002, Tieto- ja viestintäteknologian opetussovellutuksia, 5 op" course.

Computer Attitude Survey

1. Age: _____

2. Gender

Male	Female
------	--------

3. Do you have a computer at home?

Yes	No
-----	----

4. If yes, how many hours per week do you spend using the computer? _____

5. Do you have a mobile phone?

Yes	No
-----	----

6. Do you have access to a computer at school?

Yes	No
-----	----

7. If yes, how many hours per week do you spend using the computer? _____

8. Please rate your computer use?

Excellent	Good	Average	Bad	Very bad
-----------	------	---------	-----	----------

9. Would you be willing to do maths on a computer?

Yes	No
-----	----

10. Would you be willing to do maths on your cell phone?

Yes	No
-----	----

Question		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Working with a computer would make me nervous.					
2	I would like working with computers.					
3	Computers do not scare me at all.					
4	I feel aggressive and hostile towards computers.					
5	I do not feel threatened when others talk about computers.					
6	I'm no good with computers.					
7	The challenge of solving problems with computers does not appeal to me.					
8	Computers make me feel uncomfortable.					
9	Generally I would feel OK about trying a new problem on the computer.					
10	I would feel at ease in a computer class.					
11	I think working with computers would be enjoyable and stimulating.					
12	I don't think I would do advanced computer work.					
13	Figuring out computer problems does not appeal to me.					
14	I get a sinking feeling when I think of trying to use a computer.					
15	I am sure I could work with computers.					

16	I would feel comfortable working with a computer.					
17	When there is a problem with a computer program that I can't immediately solve, I would stick with it until I have the answer.					
18	I'm not the type to do well with computers.					
19	I don't understand how some people can spend so much time working with computers and seem to enjoy it.					
20	I'm sure I could learn a computer language.					
21	Once I start to work with a computer, I would find it hard to stop.					
22	I think using a computer would be very hard for me.					
23	I will do as little work with computers as possible.					
24	Computers make me feel uneasy and confused.					
25	If a problem is left unsolved in a computer class, I would continue to think about it afterwards.					
26	I could get good grades in a computer class.					
27	I do not enjoy talking with others about computers.					
28	I do not think I could handle a computer course.					
29	I have a lot of self-confidence when it comes to working with computers.					
30	It wouldn't bother me at all to take computer courses.					
31	I have less trouble learning mathematics than other subjects.					
32	Even when I battle with maths I					

	know I can solve the problem.					
33	I do not have a mathematical mind.					
34	It takes me longer to understand maths than the average person.					
35	I have never felt that I am able to learn maths.					
36	I enjoy trying to solve new mathematics problems.					
37	I find mathematics frightening.					
38	I find many mathematics problems interesting and challenging.					
39	I don't understand how some people seem to enjoy spending so much time on maths problems.					
40	I have never been very excited about mathematics.					
41	I find mathematics confusing.					
42	I am good at using VCR's, DVD's, MP3's and mobile phones.					

Decision

The dean of Philosophical Faculty accept that Dorothy Joy Laubscher will collect data for her master thesis on "Mathematics teacher-students' attitude towards Information and Communication Technology across three countries" at the School of Applied Education and teacher training. The data collection and analysis should be done following ethical principles. When the master thesis is ready, Philosophical Faculty should have one copy of thesis.

Joensuu 23.4.2010

Hannu Savolainen
vice dean