The academic use of Facebook™ to enhance affective learning of open distance learning teacher-students in the Eastern Cape

Maria Petronella Bester
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Dissertation submitted for the degree Magister Educationis in Learner Support at the Potchefstroom Campus of the North-West University

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Dedication

I dedicate this dissertation to my husband Leon and our children Elzette and Stéfan for their love, encouragement and constant support throughout the months that I have spent with this research. Thank you for walking the road with me.
Acknowledgements

I wish to thank everyone who has contributed in any way to the development of my academic career. I also extend my sincere appreciation to the following people and organisations for the part which each of them played in making it possible for me to complete this dissertation:

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- I wish to thank Prof Seugnet Blignaut, my study-leader, who has invested time, effort and invaluable guidance to me in such a short time span. Thank you for assisting me with my academic thinking, writing and execution of this dissertation
- Thank you to the office staff at the Unit for Open Distance Learning at the Potchefstroom campus
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- Thank you to the participants who participated wholeheartedly to supply valuable data. They never complained about costs or effort to attend sessions or interviews. I hope that our shared vision will help future ODL students
- A sincere thank you to Johan Rossouw, the IT expert who patiently and willingly assisted in all technological issues. Thank you to all other people who also helped with technological queries.
Abstract

Challenges in the South African education system arise from *inter alia* inadequate training, social and environmental problems, parental inefficiency, insufficient professionalism among teachers, as well as negative attitudes of learners. An urgent need exists to establish “a moral underground, an army of volunteers” (Jansen, 2012) who would be willing to provide another chance to “abandoned children” in poorer schools to develop their full potential for a brighter future. To assist learners to achieve a better future, this study focused on teacher-students and to enhance their learning experiences and consequently their teaching performance. By motivating the teacher-students to develop their potential in order to achieve better, they could, in turn, break the barriers of mediocrity in the learners they taught. The aim of this study was to uncover how a social network service (SNS) like Facebook could be used as an academic tool to support and enhance the affective learning experience of open distance teacher-students in the rural Eastern Cape. The main research question which guided this study was: *How can the affective learning of open distance learning teacher-students in the rural Eastern Cape be supported through academic Facebook?* The research intervention which elicited data, comprised coaching and scaffolding of the learning content relating to research methodology, as well as guiding the participants to engage with an SNS as a learning technology in an academic environment. The researcher created a support group on Facebook where participants could, at any time, interact with peers and the facilitator. Non-probability purposive sampling selected the participants according to the following criteria: isiXhosa home language speaking teacher-students from the rural areas around Queenstown in the Eastern Cape, enrolled with NWU for a BEd Honours degree, and who owned cellular phones which could connect to the Internet. While 74 teacher-students were invited to participate in the research, only 34 attended some of the coaching and scaffolding sessions, and 22 joined the FaceFunda group page. This qualitative bounded case study was conducted from a postmodern pragmatic view. Data were collected through individual interviews, a focus group interview, text from the FaceFunda group page and the researcher’s reflective diary. The data were analysed with Atlas.ti™. Three patterns emerged which described participants’ affective experiences: (i) emotions while learning with technology, (ii) experiences with technology, and (iii) need for support. In each case, the patterns related to emotions of competence (codes that captured positive and enabling experiences), and emotions of incompetence (codes that captured negative and incapacitating experiences). A secondary analysis of the findings uncovered the guidelines for the academic use of Facebook for rural distance teacher-students. Four themes emerged as guidelines: i) coaching and scaffolding support, (ii) technological support, (iii) peer support, and (iv) communication with the higher education institution. The guidelines highlighted that the affective learning of open distance learning of rural teacher-students in the Eastern Cape can be supported through the academic use of Facebook. ODL teacher-students require support coaching and scaffolding in order to adopt the use of SNSs for academic purposes. Adult learners should be supported to overcome technophobia to enable engagement with learning content. With adequate supportive measures, SNSs can contribute towards positive learning experiences of rural students.
Keywords: Affective domain/learning; coaching and scaffolding; constructivism; facilitated support; guidelines; open distance learning; peer tutoring; rural students; social network sites (SNS); technology-enhanced learning (TEL).
Verskillende faktore gee aanleiding tot die uitdaging in die Suid-Afrikaanse onderwyssisteem. Hierdie faktore sluit onder andere onvoldoende opleiding, sosiale- en omgewingsprobleme, onefektiewe ouerskap, onvoldoende professionalisme by onderwysers, asook negatiewe houdings by leerders in. ’n Behoefte bestaan dat onderwysers hul leerders in benadeelde skole sal bystaan om hul potensiaal optimaal te ontwikkel om ’n beter toekoms vir dieselke leerders te verseker. Derhalwe het hierdie studie gefokus daarop om die leerervarings van in-diens afstandsonderwyser-studente aan die Noordwes-Universiteit te verryk, sodat hulle weer op hul beurt aangespoor kon word om hul onderrig-leerpraktyke te verryk. Die doel van hierdie studie was om te onderrig hoe sosiale netwerksisteme (SNS) soos Facebook in ‘n akademiese omgewing gebruik kan word om die affektiewe leerervarings van plattelandse onderwyser-studente in die Oos-Kaap te ondersteun en hulle oopafstandsmonderrigomgewing te verryk. Die navorsingsvraag wat hierdie studie begraaf het was: Hoe kan die affektiewe leer van oop afstandsleer onderwyser-studente in die Oos-Kaapse platteland ondersteun word deur die akademiese gebruik van Facebook? Die navorsingsintervensie, waartydens navorsingsdata ingesamel is, het bestaan uit begeleiding en ondersteuning waartydens navorsingsmetodologie as leerinhoud gefasiliteer is, en die deelnemers met kennis en vaardighede rakende die gebruik van SNS binne ‘n akademiese konteks toe te rus. Die navorser het ’n geslote Facebook-groep, FaceFunda, geskep waarop deelnemers te eniger tyd met mekaar en die fasiliteerders kon kommunikeer. ’n Doelmatige steekproef het navorsingdeelnemers volgens doelmatige kriteria gekies: isiXhosahuistaalsprekend, oopafstandonderwysstudente aan die NWU ingeskryf vir die BEd Honneurs, afkomstig vanuit die plattelandse omgewing van Queenstown in die Oos-Kaap; en beskik oor slimfone met Internetverbinding. Die navorser het 74 onderwyserstudente genooi om aan die navorsingintervensie deel te neem. Van hulle het 34 die begeleiding en ondersteuning bygewoon; en 22 het op FaceFunda geregistreer. ’n Gebonde gevallestudie vanuit 'n postmodernistiese standpunt is volgens kwalitatiewe metodologie uitgevoer. Individuele onderhoude met deelnemers, ’n fokusgroeponderhoud, teks van FaceFunda en die navorser se reflekterende dagboek het die datastel uitgemaak. Die geïntegreerde datastel is met behulp van Atlas.ti™ geanaliseer. Drie patrone is met betrekking tot die deelnemers se affektiewe gewaarwordinge gëidentifiseer: (i) emosies ervaar tydens leer met tegnologie, (ii) ondervindinge met tegnologie, en (iii) behoefte aan ondersteuning. Elke patroon het temas van emosionele bevoegdheid en onbevoegdheid onderskei. ’n Sekondêre analyse ten aansien die kwalitatiewe navorsingsbevindinge het riglyne met betrekking tot die akademiese gebruik van Facebook vir plattelandse oop afstandsleeronderwyserstudente uitgelig. Die vier temas was: (i) begeleiding en ondersteuning, (ii) tegnologie-ondersteuning, (iii) portuurondersteuning, en (iv) kommunikasie met die hoër-onderwysinstelling. Die studie maak die gevolgtrekking dat die affektiewe leer van oopafstandsleer van plattelandse onderwyserstudente in die Oos-Kaap ondersteun kan word deur die akademiese gebruik van Facebook. Oopafstandsleerstudente benodig begeleiding en ondersteuning om sosiale netwerke te kan gebruik en toe te pas op hulle akademiese interaksies. Volwasse studente behoort ondersteun te word om hul vrese en onbekwaamheid ten opsigte van tegnologie vir akademiese
doeleindes, te bowe te kom, sodat hulle doelgerig interaktief met leerinhoud kan omgaan. Met
toegewyde begeleiding en ondersteuning kan sosiale netwerke bydra tot positiewe leerervarings van
plattelandse onderwyserstudente.

**Sleutelwoorde:** Affektiewe domein; begeleiding en ondersteuning; konstruktivisme; gefasiliteerde
ondersteuning; riglyne; oopafstandsleer; portuurleer; plattelandse studente; sosiale netwerksisteme
(SNS); tegnologie-ondersteunde leer.
CERTIFICATE ISSUED ON 10 OCTOBER 2013

I hereby declare that I have linguistically edited the dissertation submitted by Mrs Maria Petronella Bester for the MEd degree.

The affective learning of open distance learning teacher-students in the rural Eastern Cape to be supported through academic Facebook™

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# Table of Contents

Dedication ............................................................................................................................................ i  
Acknowledgements ............................................................................................................................. ii  
Abstract .............................................................................................................................................. iii  
Opsomming ......................................................................................................................................... v  
Solemn Declaration ........................................................................................................................... vii  
Certificate of Proofreading ................................................................................................................ viii  
Ethics Approval ................................................................................................................................ ix  
Table of Contents ................................................................................................................................ x  
List of Tables .................................................................................................................................... xiv  
List of Figures .................................................................................................................................... xv  
List of Addenda ................................................................................................................................ xvi  
List of Acronyms ............................................................................................................................... xvii  

## Chapter One: Orientation

1.1 General problem statement .................................................................................................... 1  
1.2 Conceptual framework for the study ................................................................................. 1  
1.3 Context of the study ............................................................................................................ 2  
1.4 Research question ............................................................................................................. 3  
1.5 Research design and methodology .................................................................................. 4  
1.5.1 The proposed literature study ......................................................................................... 4  
1.5.2 Research design ........................................................................................................... 4  
1.5.3 Case study .................................................................................................................... 5  
1.5.4 Site selection ................................................................................................................ 5  
1.5.5 Participant selection ...................................................................................................... 5  
1.5.6 Data collection strategies ............................................................................................... 6  
1.5.7 Data analyses ............................................................................................................... 7  
1.6 Researcher’s role ............................................................................................................... 7  
1.7 Ethical aspects of the research .......................................................................................... 8  
1.8 Contribution of the study ................................................................................................. 8  
1.9 Outline of chapters ............................................................................................................ 9  

## Chapter Two: The Coaching and Scaffolding Intervention

2.1 Introduction ....................................................................................................................... 11  
2.2 Context of participants ................................................................................................... 11  
2.3 Instructional Interventions ............................................................................................... 13  
2.4 Facilities for the face-to-face sessions ............................................................................ 14  
2.5 Creation of a group page for academic use on Facebook ............................................. 15  
2.6 Metaphor ....................................................................................................................... 16
# Chapter Three: Conceptual framework and literature review

3.1 Introduction .................................................................................................................. 27
3.2 Conceptual framework .................................................................................................. 28
  3.2.1 Student ...................................................................................................................... 28
    3.2.1.1 Social and cultural background ............................................................................. 29
    3.2.1.2 Teacher-students as adult learners ..................................................................... 30
    3.2.1.3 Open distance learning programmes .................................................................. 31
  3.2.2 Curriculum aspects .................................................................................................... 33
    3.2.2.1 Pedagogy ............................................................................................................. 33
    3.2.2.1.1 Affective domain ............................................................................................ 37
    3.2.2.2 Content ............................................................................................................... 41
    3.2.2.2.1 Blended learning ........................................................................................... 41
    3.2.2.3 Technology for teaching and learning ................................................................. 42
      3.2.2.3.1 Social media ................................................................................................. 45
      3.2.2.3.2 Facebook ..................................................................................................... 46
      3.2.2.3.3 Academic use of Facebook .......................................................................... 48
  3.2.3 Strategic principles .................................................................................................... 49
    3.2.3.1 Coaching and scaffolding .................................................................................. 49
    3.2.3.2 Collaborative construction of knowledge .............................................................. 51
    3.2.3.3 Articulation of content specific language ............................................................. 52
    3.2.3.4 Opportunities for reflection ................................................................................ 52
  3.2.4 Criteria of excellence ............................................................................................... 53
    3.2.4.1 Participation ........................................................................................................ 53
    3.2.4.2 Other aspects relating to the conceptual framework ........................................... 55
  3.2.5 Critical outcomes ..................................................................................................... 57
    3.2.5.1 Critical thinking skills ....................................................................................... 57
    3.2.5.2 ICT literacy ....................................................................................................... 58
    3.2.5.3 Self-regulated learner ....................................................................................... 58
    3.2.5.4 Lifelong learner ................................................................................................. 58
  3.3 Summary ...................................................................................................................... 59

# Chapter Four: Research Design and Methodology

4.1 Introduction ................................................................................................................... 62
4.2 Defining research ......................................................................................................... 62
4.3 Worldview of this study ............................................................................................... 63
Chapter Five: Data analysis and interpretation

5.1 Introduction .................................................................................................................................. 88
5.2 Emotions while learning ............................................................................................................... 90
5.2.1 Emotions of feeling competent while learning with technology ............................................... 90
5.2.2 Emotions of feeling incompetent emotions while learning with technology .............................. 98
5.3 Experiences with technology ....................................................................................................... 103
5.3.1 Technophilia .......................................................................................................................... 104
5.3.2 Technophobia ....................................................................................................................... 109
5.4 Need for support ......................................................................................................................... 112
5.4.1 Competent ............................................................................................................................ 113
5.4.2 Incompetent .......................................................................................................................... 118
5.5 Chapter summary ....................................................................................................................... 121

Chapter Six: Conclusion

6.1 Introduction .................................................................................................................................. 123
6.2 Summary of the various chapters relating to the research journey ............................................ 123
6.2.1 Chapter 1: Orientation ........................................................................................................... 123
6.2.2 Chapter 2: The coaching and scaffolding intervention ............................................................. 124
# List of Tables

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 2.1</td>
<td>Planned research phases and activities</td>
<td>18</td>
</tr>
<tr>
<td>Table 2.2</td>
<td>Details of participation in face-to-face coaching and scaffolding sessions</td>
<td>19</td>
</tr>
<tr>
<td>Table 3.1</td>
<td>Comparison between andragogy and pedagogy</td>
<td>30</td>
</tr>
<tr>
<td>Table 3.2</td>
<td>Sample of countries using Facebook in global context</td>
<td>46</td>
</tr>
<tr>
<td>Table 3.3</td>
<td>List of the large Facebook users across Africa</td>
<td>47</td>
</tr>
<tr>
<td>Table 3.4</td>
<td>Summary of previous research on academic Facebook</td>
<td>60</td>
</tr>
<tr>
<td>Table 4.1</td>
<td>Relationship between research questions and data collection strategies</td>
<td>74</td>
</tr>
<tr>
<td>Table 4.2</td>
<td>Code book of 30 codes which emanated from the qualitative analysis</td>
<td>77</td>
</tr>
<tr>
<td>Table 4.3</td>
<td>Coding structure</td>
<td>79</td>
</tr>
<tr>
<td>Table 6.1</td>
<td>Inventory of findings from the analysis of the integrated data-set relating to coaching and scaffolding, and SNS support for rural teacher-students in the Eastern Cape</td>
<td>127</td>
</tr>
</tbody>
</table>
List of Figures

Figure 2.1 Nine South African Provinces ................................................................. 12
Figure 2.2 Travelling distances in relation to Queenstown ...................................... 12
Figure 2.3 Queenstown Public Library .................................................................... 14
Figure 2.4 Cathcart High School Library ................................................................. 15
Figure 2.5 Metaphor of the academic group on Facebook ........................................ 15
Figure 2.6 When participants joined FaceFunda ...................................................... 16
Figure 2.7 Posters of the planned weekly programme ............................................ 18
Figure 2.8 Photos of the first coaching and scaffolding session .............................. 23
Figure 2.9 Photos of the second coaching and scaffolding session ......................... 23
Figure 2.10 Photos of the third coaching and scaffolding session ......................... 24
Figure 2.11 Photos of the fourth coaching and scaffolding session ....................... 24
Figure 2.12 Photos of fifth coaching and scaffolding session .................................. 25
Figure 2.13 Photos of sixth session ................................................................. 25
Figure 3.1 Conceptual framework for implementing ICTs for ODL ....................... 28
Figure 3.2 Affective domain of Bloom’s Taxonomy ............................................. 38
Figure 4.1 Four paradigms for the analysis of social theory .................................... 64
Figure 4.2 Site position in South Africa ................................................................. 70
Figure 4.3 Site location in rural areas of the Eastern Cape ..................................... 70
Figure 4.4 Number of invited students, participating students and those on FaceFunda ........ 71
Figure 4.5 Participants, by gender ......................................................................... 72
Figure 4.6 Participants, by age ............................................................................. 72
Figure 4.7 Diagram of research strategies for the qualitative study of the affective experiences of rural students in the Eastern Cape ........................................ 80
Figure 5.1 Structure of the analysis of the integrated dataset ............................... 89
Figure 5.2 Coding structure of emotion codes while learning with technology .......... 90
Figure 5.3 Coding structure of participants’ emotional experiences with technology .... 103
Figure 5.4 Coding structure for the theme of need for support ............................. 113
Figure 6.1 Guidelines for the academic use of Facebook for peer and facilitated learning support ......................................................................................... 131
List of Addenda

Addendum 2.1 Screen caps of the FaceFunda group created on Facebook
Addendum 2.2 Audio recording of the first coaching and scaffolding session
Addendum 2.3 Explaining procedures of navigating to FaceFunda on participants’ cellular phones
Addendum 2.4 Article in the Mail and Guardian which was used as basis for a motivational talk
Addendum 2.5 Extract of the 3rd coaching and scaffolding session in video format
Addendum 2.6 Letter of permission to use the Cathcart High School Library
Addendum 2.7 Summary of the format for the proposal which the participants followed
Addendum 2.8 Video posted to FaceFunda relating to content during coaching and scaffolding
Addendum 2.9 Extract of the audio-recording of the 4th coaching and scaffolding session
Addendum 2.10 Video depicting the proceedings of the technology workshop
Addendum 2.11 Video depicting the collaboration between participants
Addendum 2.12 PowerPoint presentation relating to the focus group interview session
Addendum 2.13 Extract of the focus group interview on a video
Addendum 4.1 Consent forms signed by the participants
Addendum 4.2 Semi-structured questions of individual interviews
Addendum 4.3 Integrated data set on Atlas.ti™
Addendum 4.4 Semi structured questions of the focus group interview
Addendum 4.5 Signed off interview transcripts by the participants
Addendum 4.6 Ethical clearance certificate for this study
Addendum 4.7 Turnitin report relating to plagiarism in Chapter One
Addendum 4.8 Turnitin report relating to plagiarism in Chapter Two
Addendum 4.9 Turnitin report relating to plagiarism in Chapter Three
Addendum 4.10 Turnitin report relating to plagiarism in Chapter Four
Addendum 4.11 Turnitin report relating to plagiarism in Chapter Five
Addendum 4.12 Turnitin report relating to plagiarism in Chapter Six
Addendum 6.1 The secondary analysis assigned to Atlas.ti™ relating to the guidelines for the academic use of Facebook

The addenda are available on the DVD at the back of the dissertation.
# List of Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
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<tr>
<td>ACE</td>
<td>Advanced Certificate in Education</td>
</tr>
<tr>
<td>ANA</td>
<td>Annual National Assessment</td>
</tr>
<tr>
<td>BASE</td>
<td>Bureau for applied social expertise</td>
</tr>
<tr>
<td>BEd</td>
<td>Bachelor of Education</td>
</tr>
<tr>
<td>CAQDAS</td>
<td>Computer assisted qualitative data analysis software</td>
</tr>
<tr>
<td>CCM</td>
<td>Constant Comparative Method</td>
</tr>
<tr>
<td>DBE</td>
<td>Department of Basic Education</td>
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<td>DE</td>
<td>Distance Education</td>
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<td>FOER</td>
<td>Foundation for Educational Research</td>
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<td>ICT</td>
<td>Integrated Computer Technologies</td>
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<td>International Science Institute Web of Science</td>
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<td>OBE</td>
<td>Outcomes Based Education</td>
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<td>Open Learning Group</td>
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<td>Research Project</td>
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<td>Short Message Signal</td>
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<td>SNS</td>
<td>Social Networking Site</td>
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<td>TELHE</td>
<td>Technology Enhanced Learning for Higher Education</td>
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<tr>
<td>TELKOM</td>
<td>Telephone Communication Network</td>
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<tr>
<td>TPAK</td>
<td>Technological pedagogical content knowledge</td>
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<td>UODL</td>
<td>Unit of Open and Distance Learning</td>
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<tr>
<td>Wi-Fi</td>
<td>Wireless Fidelity</td>
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<tr>
<td>ZPD</td>
<td>Zone of Proximal Development</td>
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