**Master of Science in**

**Computer and Information Technology**

**School of Science and Technology**

**University of the Thai Chamber of Commerce**

Independent Study (I.S.) Format Guidelines

**I.S. Arrangement** Assemble the thesis/project report in this order:

1. Hard Cover: includes the title, author, degree (“Independent Study submitted in partial fulfillment of the requirements for the Degree of Master of … in …”), and graduation year.
2. Soft Cover: includes the title, author, degree (“Independent Study submitted in partial fulfillment of the requirements for the Degree of Master of … in …”), graduation year and copyright (Copyright by University of the Thai Chamber of Commerce).
3. Abstract: a concise summary of the essential information of the work being presented, namely of the study’s scope, purpose and results. The reference-free single spaced abstract should not exceed two pages. An abstract must be within **400 - 800 words**.
4. Acknowledgments.
5. Table of Contents: includes all the subsections of each chapter and the list of appendices (if applicable) and page numbers.
6. List of Tables: includes table number, caption, and the page number.
7. List of Figures: includes figure number, caption, and the page number.
8. Chapter 1 Introduction: Introduction and Problem Statement; Objectives; Significance of the Research; Research Questions; Scope of the Study; Expected Benefits; Operation Definition.
9. Chapter 2 Literature Review: Theory and Related Research; Conceptual Framework; Research hypothesis.
10. Chapter 3 Methodology: Research Design; Research Tools; Research Survey; Experiments and Data Collection; Data Measurement and Analysis.
11. Chapter 4 Results: Presentation of the findings, including limitations.
12. Chapter 5 Conclusion and Discussion: Conclusion; Discussion; Discussion of the findings, Implication for Business; Research Recommendation; Limitations & Further Research.
13. References: The American Psychological Association System of reference must be used. In the body of the text papers or documents are referred to by the author’s surname with the year of publication in parenthesis such as "Greene (1993)"; if the quotation is itself in parenthesis, the year of publication is separated by a comma such as (Dewan and Smith, 2003; Kockelman, 1998). If the reference has more than two authors, only the surname of the first author followed by *et al.* in italics will appear in the body of the text, for example Auerbach *et al.* (1994).

### In the case of book in one author:

Bernstein, T.M. (1965). *The careful writer: A modern guide to English usage* (2nd ed.).

New York: Atheneum.

### In the case of an essay in a book:

Bjork, R. A. (1989). Retrieval inhibition as an adaptive mechanism in human memory. In H.

L. Roediger III & F. I. M. Craik (Eds.), *Varieties of memory & consciousness* (pp. 309-330). Hillsdale, NJ: Erlbaum.

Arneson, R. H. (1991). Mediation: A language of leaders. In D. Riggs (ed.), *The Language of leadership* (pp.118-128). Englewood Cliffs, NJ: Prentice-Hall.

### In the case of article in a journal

Mellers, B. A. (2000). Choice and the relative pleasure of consequences. *Psychological Bulletin*, 126, 910-924.

Klimoski, R., & Palmer, S. (1993). The ADA and the hiring process in organizations.

*Consulting Psychology Journal: Practice and Research, 45*(2), 10-36.

### In the case of website:

Library and Archives Canada. (2002). *Celebrating Women’s Achievements: Women Artists in Canada*. Retrieved December 16, 2004, from <http://www.collectionscanada.ca/women/h12-500-e.html>

1. Appendices: material too detailed or lengthy for inclusion in the body of the study (e.g. questionnaires, maps). Appendices may also contain information that might clarify the thesis but is routine in nature or indirectly related to the thesis. Raw data and examples of calculation could be incorporated.

**Style and Form** Thesis must adhere to the following Style and Form:

**Paper:** Use high-quality acid-free A4-size paper, with only one side of the paper.

**Spacing:** Double spacing is required for the text. Only footnotes, long quotations, bibliography entries (double space between entries), table captions, and similar special material may be single spaced.

## Margins:

Hard Cover and Soft Cover: Top 2 inch and Right, left and bottom 1 inch. Independent Studies Petition Form: Top Right and bottom 1 inch, left 1.5 inch.

Abstract, Acknowledgments, Table of Contents, List of Tables, List of Figures, Chapter, References, Appendices: Top Right and bottom 1 inch, left 1.5 inch.

Appendices (only first page): Top 5 inch, left 1.5 inch. Right and bottom 1 inch.

**Text Font:** Times New Roman Size 12 (Regular).

Hard Cover and Soft Cover: Title and FULL NAME Size 16(Bold), Degree Size 14(Bold). Independent Studies Petition Form: Heading Section Size 14 (Bold), Information Size 12 (Bold) and (Regular).

Abstract, Acknowledgments, Table of Contents, List of Tables, List of Figures, Chapter, References: Main Headings and Chapter title Size 12 (Bold). Not be used excessively in the text. Furthermore, colored text should not be used.

**Page Numbering:** Preliminary pages of the report, that is, those preceding the text are to be numbered in Roman numerals. Pages of the text itself and of all items following the text should be numbered consecutively throughout in Arabic numbers, beginning with number 1 on the first page of the first chapter. Page numbers should be placed in the lower center of the page. Only the number should appear, not page 9.

**Equations:** Must be written preferably with the same word processor used for the rest of the text, without hand-written symbols in order to be legible. Equations must be written 1 equation per 1 line and be numbered sequentially with their numbers in parenthesis and right justified.



**Tables:** Must be numbered sequentially and have a reasonably explanatory title centered **over the table** and a blank line between paragraphs and table.

**Table 1** Estimation Results of the Models

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model 1 |  | Model 2 |  | Model 3 |
| Variables Parameters | T-statistics | Parameters | T-statistics | Parameters T-statistics |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Travel time | -0.0124 | -5.43 | -0.0222 | -5.99 | -0.0113 | -2.99 |
| Travel cost | -0.00451 | -8.55 | -0.00322 | -4.33 | -0.00201 | -9.31 |
| Service frequency -0.155 -4.88 -0.147 -3.98 -0.221 -1.99 | | | | | | |
| Initial log-likelihood | -1432.11 |  | -1432.11 |  | -1432.11 |  |
| Final log-likelihood | -1043.68 |  | -1114.66 |  | -1108.19 |  |
| Number of observation | 2489 |  | 2489 |  | 2489 |  |

**Figures:** Must be drawn using good quality graphic software; they must be numbered sequentially and have a reasonably informative title centered **under the figure** and a blank line between paragraphs and figure.

Inter-Regional Transport

Auto Rail Bus Air

**Figure 1** Choice Tree of Inter-Regional Transport Modal Choice

(Hard Cover)



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**Title**

**Title and FULL NAME**

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**Major Field**

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**Graduate Year** 20XX



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**ABSTRACT**

An abstract must be within 400 - 800 words.

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The basically thanking the people who helped you while completing your thesis. This could be anyone who aided you with your research, provided advice or helpful suggestions or just gave you much needed support through the process.



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**TABLE OF CONTENTS**

**Abstract I**



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**Acknowledgements II**

**Table of Contents III**

**List of Tables V**

**List of Figures VI**

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Chapter 1 Introduction 1

Introduction and Problem Statement 1

Objectives x

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Significance of the Research x

Research Questions x

Scope of the Study x

Expected Benefits x

Operation Definition x

Chapter 2 Literature Review xx

Theory and Related Research xx

Conceptual Framework xx

Research hypothesis xx

Chapter 3 Methodology xx

Research Design xx

Research Tools xx

Research Survey xx

Experiments and Data Collection xx

Data Measurement and Analysis xx

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Top: 1 inch

**TABLE OF CONTENTS (Continued)**



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**Chapter 4 Results**

**Chapter 5 Conclusion and Discussion**

Conclusion Discussion

Implication for Business

Research Recommendation

Limitations & Further Research

**REFERENCES**

**APPENDICES**

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**LIST OF TABLES**





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**LIST OF FIGURE**





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**CHAPTER 1**



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**INTRODUCTION**



* 1. **Introduction and Problem Statement**



* 1. **Objectives**

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* 1. **Significance of the Research**



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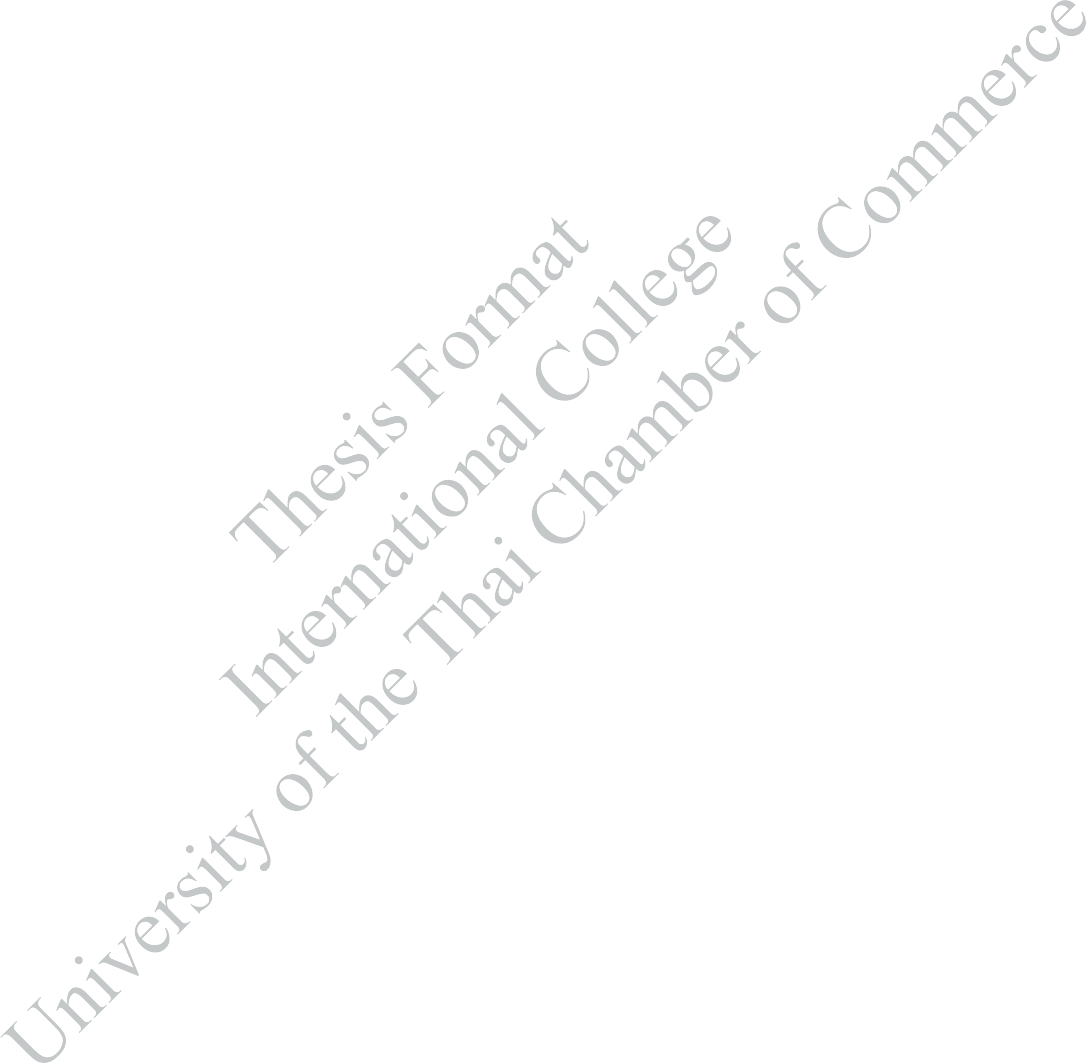
* 1. **Research Questions**



* 1. **Scope of the Study**



* 1. **Expected Benefits**



**1.7 Operation Definition**

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**REFERENCES**



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Bernstein, T.M. (1965). *The careful writer: A modern guide to English usage*

(2nd ed.). New York: Atheneum.



Bjork, R. A. (1989). Retrieval inhibition as an adaptive mechanism in human memory. In H. L. Roediger III & F. I. M. Craik (Eds.), *Varieties of*

*memory & consciousness* (pp. 309-330). Hillsdale, NJ: Erlbaum.

Mellers, B. A. (2000). Choice and the relative pleasure of consequences.

*Psychological Bulletin*, 126, 910-924.

Klimoski, R., & Palmer, S. (1993). The ADA and the hiring process in organizations. *Consulting Psychology Journal: Practice and Research, 45*(2), 10-36.

Library and Archives Canada. (2002). *Celebrating Women’s Achievements: Women Artists in Canada*. Retrieved December 16, 2004, from <http://www.collectionscanada.ca/women/h12-500-e.html>

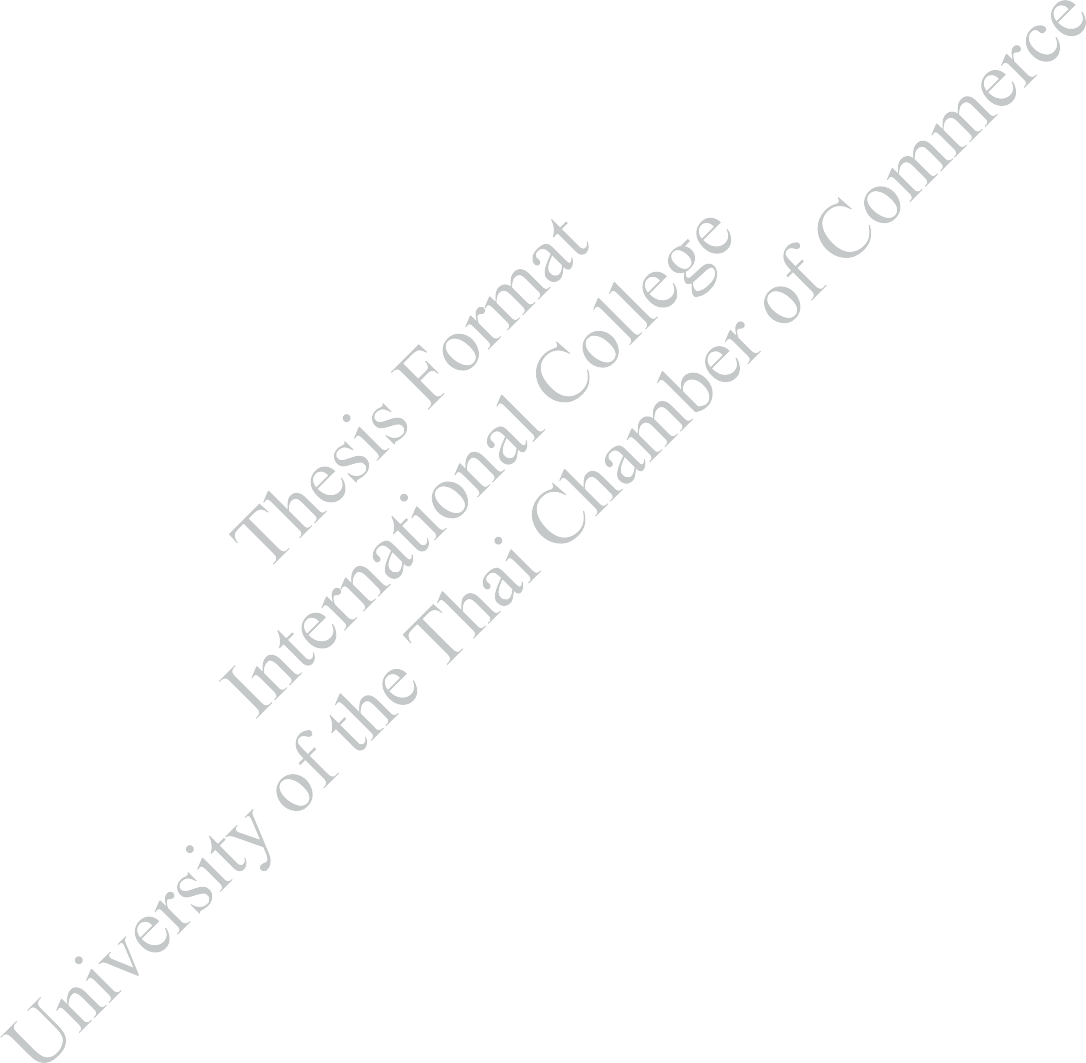
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**APPENDICES**



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**APPENDICES 1**

**How to write references using APA format**

## ARTICLES

**Journal Article (print):**

*For articles with up to and including 7 authors\*, include the names of all authors.*

Author, A. A., & Author, B. B. (Year). Title of article. *Title of Journal, volume number*(issue number), pages.

Kozma, A., & Stones, M. J. (1983). Re-validation of the Memorial University of Newfoundland scale of happiness. *Canadian Journal on Aging, 2*(1), 27-29.

*\*For information on citing multiple authors in the text of your paper, see Table 6.1 "Basic Citation Styles" on p. 177 of the APA Manual.*

## Journal Article (8 or more authors):

Use ellipses after the name of the sixth author, and then list the last author named.

Gilbert, D. G., McClernon, J. F., Rabinovich, N. E., Sugai, C., Plath, L. C., Asgaard, G., . . . Botros, N. (2004). Effects of quitting smoking on EEG activation and attention last for more than 31 days and are more severe with stress, dependence, DRD2 A1 allele, and depressive traits. *Nicotine and Tobacco Research, 6,* 249-67.

## Journal Article (online):

*Provide the doi number (Digital Object Identifier).*

Author, A. A. (Year). Title of article. *Title of Journal, volume number*(issue number), pages. doi:xxxxxxxxxxxxxxxx

Fuller, D. (2002). Critical friendships: Reading women's writing communities in Newfoundland. *Women's Studies International Forum, 25*(2), 247-260. doi:10.1016/S0277-5395(02)00234-0

## Journal Article (online, no doi):

*Provide URL of journal's homepage only if doi is not available. Do not include Article Index information.*

Author, A. A. (Year). Title of article. *Title of Journal, volume number*(issue number), pages.

Retrieved from [http://journal](http://journal/) homepage address

Martin, R. (2001). Educational psychology in Newfoundland and Labrador: A thirty-year history. *Canadian Journal of School Psychology, 16*(2), 5-17. Retrieved from: <http://cjs.sagepub.com/>

## Magazine Article (online, no doi):

*Provide URL of magazine's homepage only if doi is not available. Omit page numbers for online magazine articles.*

Author, A. A. (Year, Month day). Title of article. *Title of Magazine*. Retrieved from [http://magazine](http://magazine/) homepage address

Capps, R. (2012, October 19). Why things fail: From tires to helicopter blades, everything breaks eventually. *Wired*. Retrieved from <http://www.wired.com/>

## Newspaper Article (print):

*When referencing a newspaper article, p. (single page) or pp. (multiple pages) precedes the page numbers.*

Author, A. A. (Year, Month day). Title of article. *Title of Newspaper*, p. page number(s). Sullivan, D. D. (2000, November 15). Teens say they're battling depression, peer pressure:

'You kind of drift apart from your parents,' one high school student says. *The Telegram*, p. 17.

## Newspaper Article (online, no doi):

*Provide URL of newspaper's homepage only if doi is not available. Omit page numbers for online newspaper articles.*

Author, A. A. (Year, Month day). Title of article. *Title of Newspaper*. Retrieved from [http://newspaper](http://newspaper/) homepage address

Hurley, C. (2009, October 24). Suzuki encourages Newfoundlanders to join the world in demonstration on climate change. *The Western Star*. Retrieved from <http://www.thewesternstar.com/>

## BOOKS

Author, A. A. (Year). *Title of book*. Location: Publisher.

*For location, give city name & and state/province abbreviation. Outside North America, spell out city & country names.*

Grenfell, W. T. (1919). *A Labrador doctor: The autobiography of Wilfred Thomason Grenfell*. Boston, MA: Houghton Mifflin Company.

## E-Books

*Provide the doi number (Digital Object Identifier) or a URL. Only use a URL if the doi is not available.*

Author, A. A. (Year). *Title of book*. doi:xxxxxxxxxxxxxxxx

Moorcroft, W. H. (2005). *Understanding sleep and dreaming*. doi:10.1007/0-387-28698-5

Author, A. A. (Year). *Title of book*. Retrieved from [http://URL](http://URL/)

Holland, N. N. (1982). *Laughing: A psychology of humor.* Retrieved from <http://www.uflib.ufl.edu/ufdc/UFDC.aspx?n=palmm&c=psa1&m=hd2J&i=45367>

## Edited Book

*State the editor(s) instead of author, followed by (Ed.) or, for multiple editors (Eds.)*.

Wright, M. J., & Myers, C. R. (Eds.). (1983). *History of academic psychology in Canada*.

Toronto, Canada: Hogrefe and Huber.

## Article in an Edited Book

Article Author. (Year). Title of article. In Editor's name (Ed.), *Title of book* (pp. page numbers). Location: Publisher.

Einar, V. K. (2007). Screening of eating disorders in the general population. In P. M. Goldfarb (Ed.), *Psychological tests and testing research trends* (pp. 141-50). New York, NY: Nova Science.

## Edition of a Book, other than the 1st

Author, A. A. (Year). Title of book (x ed.). Location: Publisher.

American Psychiatric Association. (1994). *Diagnostic and statistical manual of mental disorders: DSM-IV* (4th ed.). Washington, DC: Author.

## Volume of a Book

*If it is an edition other than the 1st, include the edition immediately before the volume number.*

Author, A. A. (Year). *Title of book* (x ed., Vol. x). Location: Publisher.

Eisenberg, N. (Ed.). (2006). *Handbook of child psychology* (6th ed., Vol. 3). Hoboken, NJ: John Wiley & Sons.

## Translated Book

Author, A. A. (Year). *Title of book*. (A.A. Translator, Trans.). Location: Publisher. (Original work published xxxx).

Freud, S. (1960). *Jokes and their relation to the unconscious*. (J. Strachey, Trans.). London, England: Routledge & K. Paul. (Original work published 1905).

## Dictionary/Encyclopedia (Print):

Author, A. A. (if available). (Year). Title of entry. In B. B. Editor (Ed.), *Title of dictionary/encyclopedia* (p. page number). Location: Publisher.

Facial expression. (2007). In G.R. VandenBos (Ed.), *APA dictionary of psychology* (pp. 362- 3). Washington, DC: American Psychological Association.

## Dictionary/Encyclopedia (Online):

*Provide the doi number (Digital Object Identifier) or a URL. Only use a URL if the doi is not available. If there are no page numbers, the entry title is sufficient.*

Author, A. A. (if available). (Year). Title of entry. In B.B. Editor (Ed.), *Title of dictionary/encyclopedia*. (p. page number). doi:xxxxxxxxxxxxxxxx OR Retrieved from [http://URL](http://URL/)

Roesch, S. (2006). Coping mechanisms. In Y. K. Jackson (Ed.), *Encyclopedia of multicultural psychology*. Retrieved from [http://www.sage-ereference.com.qe2a-](http://www.sage-ereference.com.qe2a-/) proxy.mun.ca/multiculturalpsychology/Article\_n53.html

## Dissertation or Thesis (Print):

Author, A. A. (Year). *Title of dissertation/thesis* (Doctoral dissertation OR master's thesis).

University, Location.

Broderick, E. M. (2007). *Assessment of grief and loss services in western Newfoundland* (Honours dissertation). Grenfell Campus, Memorial University of Newfoundland, Corner Brook, NL.

## Dissertation or Thesis (Online):

*If accessed through an Article Index, include the name of the database, and give the accession or order number in parentheses at the end of the entry. If accessed on the internet, include the URL link.*

Author, A. A. (Year). *Title of dissertation/thesis* (Doctoral dissertation OR master's thesis).

Available from Name of Database. (accession or order number)

Rusch, L. C. (2010). *Depression stigma reduction: The impact of models of depression on stigma and treatment seeking* (Doctoral dissertation). Available from ProQuest dissertation and theses database. (Document ID 1865749061)

## Web page citation follows this basic format:

Author, A. (date). *Title of document*. Retrieved from [http://URL](http://URL/)

## Web page:

Centers for Disease Control and Prevention. (2009). *CDC recommendations for the amount of time persons with influenza-like illness should be away from others*. Retrieved from <http://www.cdc.gov/h1n1flu/guidance/exclusion.htm>

## Web page where no author is identified:

All 33 Chile miners freed in flawless rescue. (2010, October 13). Retrieved from <http://www.msnbc.msn.com/id/39625809/ns/world_news-americas/>

## Web page where no date is identified:

The College of William and Mary. (n.d.). *College mission statement*. Retrieved from <http://www.wm.edu/about/administration/provost/mission/index.php>

*Sources:*

1. <http://www.library.mun.ca/guides/howto/apa.php>
2. <http://libraryguides.quinnipiac.edu/content.php?pid=302181&sid=2476670>