INTRODUCTION

Purpose
This document provides a detailed description of the report which must be produced and submitted as part of the capstone project by students seeking the degree of Master of Public Health from the Public Health Program at Touro University – California. Topics covered include the submission of the report, the physical form of the report, and the layout and printing style and format.

Limitations
This document does not cover questions of prose style, appropriateness of subject matter, or other decisions of an academic, scientific, public health, or research nature. Such questions should be addressed to the capstone project coordinators or to the student’s individual faculty capstone project advisor.

Glossary
The following are some terms used throughout this document.

Faculty capstone project advisor, capstone project advisor, faculty advisor, capstone advisor, and advisor refer to the individual public health faculty member who is personally advising the student during their capstone research project.

Capstone project coordinators and capstone coordinators refer to the public health faculty members who are responsible for coordinating the capstone project program. The capstone project coordinators are Annette Aalborg, Alessandra Bazzano and Gayle Cummings. Public health program and program refer to the Public Health Program in the College of Health Sciences at Touro University - California.

Capstone project report, capstone report, project report, and (where context does not indicate otherwise) report refer to the final version of the student’s written report of their capstone research project submitted to the department as a required part of the capstone research project.
CHAPTER I

CAPSTONE REPORT SUBMISSION

Required Documents and Submission
One copy of the final capstone report must be submitted. The copy must be submitted to
the Public Health Program office, Rm. 208, Wilderman Hall. It must be unbound and
without staples. It must be submitted in a suitably sized envelope. In the center of the front
of the envelope, in portrait orientation, the student must type or place a typed label in a
plain 12 point or larger font (times roman is recommended) of the following form:

CAPSTONE PROJECT OF: STUDENT NAME
TITLE: PROJECT TITLE
FACULTY ADVISOR: ADVISOR NAME
DATE OF SUBMISSION: DAY, MONTH DATE, YEAR

This label must be left justified and in upper case letters, in lines arranged as shown. If the
title is too long to fit on a single line, additional lines may be used, but the order of lines is
not to be altered.
CHAPTER II

MANUSCRIPT CONSTRUCTION: TYPING, ILLUSTRATIONS AND REPRODUCTION

MATERIALS

Paper
The required copy submitted to the program office must be either high quality photocopies or high quality printouts. The paper used for the copy must be plain white paper of good quality. The paper size must be either 8½” by 11” or A4. Standard xerographic paper is acceptable.

Oversize Pages
Paper measuring 11 x 17 inches may be used in preparing oversize pages (see Oversize Material to Be Folded).

Graph Paper
Drawings, text, and gridlines must be kept within the required margins. The gridlines on blue grid tracing paper usually do not reproduce; green gridlines reproduce lightly, and red gridlines reproduce as dark lines. Visible gridlines are acceptable.

PREPARING THE REPORT

Appearance
The manuscript must be typed or machine-printed, neat in appearance, and without error. Strikeovers, handwritten corrections, or interlineations are not acceptable. The manuscript can be printed on only one side of each page.

Typeface

SIZE. The program does not require an absolute character and space count per inch of text because many manuscripts are now produced using laser printers with proportional spacing and letters. For the basic manuscript text, 12-point or larger should be acceptable. Ten-point or smaller type cannot be used for the basic text.

Fonts vary in size depending on the software used. The decision of the faculty capstone project advisor is final concerning acceptable fonts and type sizes.

CAPTIONS AND FOOTNOTES. Type sizes may be smaller for footnotes, captions, and for information in figures and tables. Ten-point is a good standard type size for print outside of the basic text.
**FONT.** Only plain, non-italic type fonts may be used for the core manuscript text. Students in any doubt regarding type face and size are advised to use the Times font in 12-point. This is a standard type and size which is acceptable and easily read. Sans serif fonts are difficult to read and are strongly discouraged in the core manuscript text, but may be appropriate in titles and headings. A student who has any questions about a type font should bring in a sample of the type to their faculty capstone project advisor for approval.

**ITALICS.** Italics may be used for headings, labels, foreign words, book titles or occasional emphasis. Bold face and underlining should be used with great restraint and are not appropriate for use in emphasizing text. The use of underlining and bold face in the text of headings and titles is at the discretion of the student’s faculty capstone project advisor.

**EXAMPLE.** This document is printed with a plain Times font in 12-point for the core text. The document title and chapter heads, section heads, and subsection heads are printed with a bold Arial font (a good standard sans-serif font) in 18-point, 16-point, and 14-point respectively. The subsection heads are italicized. Sub-subsection heads are printed with a bold italicized Times font in 12-point.

Although a sans-serif font has been used in this document to emphasize various headings, this is not required or encouraged for capstone reports. A consistent use of a single font throughout the manuscript, changing only font size and type face for headings, is preferred.

**Non-typed Material**

Non-typed matter, such as line drawings, handwritten symbols, formulae, and diacritical marks should be in black ink for clear reproduction.

**Spacing**

Unless otherwise noted the manuscript must be double-spaced throughout. Acceptable double spacing means no more than 3 type lines and 3 space lines per vertical inch of text, i.e., 6 lines per inch maximum.

Footnotes, reference entries, long quoted passages, figure and table captions, and items in lists and tables may be single-spaced.

There are special spacing requirements for some of the preliminary pages (see the sample pages at the end of this document). The layout for these pages must be followed carefully as departures from the standard format are not acceptable.
FORMATTING THE MANUSCRIPT

Margins

NOTE: Copy machines may shift text on a page. Therefore the following are minimum margins. The student may set larger margins but must be sure that the final text lies well within these guidelines.

LEFT = 1.5” (note that this margin is wider than the right margin)
TOP LINE OF TYPE = 1” from top of paper
RIGHT = 1”
BOTTOM LINE OF TYPE = 1.5” from bottom of paper
FOOTER MARGIN FOR PAGE NUMBER = .75” from bottom of paper

Aside from page numbers, all other manuscript material must fit within these margin requirements (including tables, figures, and graphs). When oversized pages are used, the same margin measurements are maintained.

Manuscript and Figure Layout

The required order of pages for the manuscript is described elsewhere in this document. Especially note that the references are always the last section of a manuscript. The last page of a manuscript should be the last page of the references. All figures, tables, appendices, etc., come before the references.

All other questions regarding the layout of the manuscript — how to subdivide sections or chapters, whether to center a heading, whether to use bold in a title, where to place footnotes, figures, or tables, etc., or what footnote format to use — come under the rubric of “text” and are decided by the student's faculty capstone project advisor.

Layout of figures and tables can be the most bothersome aspect of the manuscript. A student should remember that 11 x 17” paper solves many problems. Laying out the table horizontally to the page (landscaping) can also be helpful, as can using the page facing the figure for the caption. For questions about table and figure layout, the student should consult their faculty capstone project advisor.

References

References must begin on a new, separate page with the title “References” at the top. References must follow APA (American Psychological Association) style, which is also the format used by the AJPH, can be found at http://apastyle.apa.org/.
Page Numbers

Page numbers must be centered to the text, not the paper, must be at least .75” from the bottom of the paper, and must not be closer than .75” to the last line of type (in other words halfway between the bottom of the paper and the last line of type). Most word processing programs have a page numbering default that sets the number too close to the last line of type for these requirements. If this is the case, the student must paginate the manuscript using the Footer margin of the program (instructions are in the manual for the word processing program).

Pagination

Every sheet of paper in the manuscript must be numbered except for the title page. The title page is counted but not numbered.

ROMAN NUMERALS are used for the preliminary pages (title page through last abstract page). Because the title page is counted but not numbered, “ii” is the first number used and appears on the first page of the abstract.

ARABIC NUMERALS are used for all pages following the last page of the abstract. The next sheet of paper in the manuscript following the last abstract page, no matter what is printed there, is numbered “1” and so on to the last sheet of paper. If material appears on paper (e.g., appendices, facing pages, tables, figures), the piece of paper is a page and must be counted and numbered. If the student has a piece of paper in the manuscript and it comes after the abstract, it is a page; if it does not have a number, then the student has made a mistake. Correct pagination — no missing pages, no duplicate numbers or pages — is required for the manuscript to be acceptable. If the student has any questions about this issue, the student should not guess, refer to old manuscripts, or ask anyone for assistance other than the capstone project coordinators.

COPIES SUBMITTED TO THE PROGRAM

The student is required to submit one copy of the manuscript to the program. The submitted copy of the manuscript, whether computer-printed or photocopied, must conform to paper, margin, and pagination requirements as stated in this document. Note: Photocopying may shift the image; the student must be sure that the margins used on the original will still correspond to margin requirements on any photocopies. The submitted copy must be neat, clean, and legible; new ribbons or high quality photocopiers must be used. Copies with post copy corrections cannot be accepted.

Computer Printers

Only letter quality computer printing is acceptable. If a non-laser printer — dot matrix, jetstream, etc. — is used, a sample of the generated print must be submitted to one of the capstone project coordinators for approval. If the student has any questions about copies or
printers, the student should present a sample of the final product to one of the capstone project coordinators for approval.

OVERSIZE, ILLUSTRATIVE, AND SPECIAL MATERIAL

Program margin requirements (see Margins) are to be observed for all oversize, illustrative, and special material described in the following paragraphs, unless an exception is noted.

Wide Margins

Where computer output, tables, or other illustrative materials with wide margins are turned on the page to fit within required margins, the top of the material should run along the left side of the paper at the 1.5 inch margin. Placement of the page number is always at least .75” inch from the bottom of the page (see Margins).

Reducing Oversize to Standard Required Margins

A copy that has been reduced on photocopying machines to fit within required margins for an 8-1/2 x 11 inch page must be legible. The easiest method is to reduce the material to the appropriate size, trim the page, and mount it on a separate page to fit within the required margins. This “pasted up” version serves as the original from which the copy is made for submission.

Oversize Material to Be Folded

Some oversize material does not lend itself to reduction to standard-page margin requirements, and must be submitted on a larger-than-standard page. Paper measuring 11 x 17 inches may be included in the manuscript by converting the page to manuscript size with pleat-like folds. With these pages, the left (11 inch) edge will have a 1-1/2 inch margin, the top (17 inch) edge will have a 1 inch margin, the right (11 inch) edge will have a 1 inch margin, and the bottom edge will have a 1-1/2 inch margin. The page number is placed .75” inch from the bottom edge of the page, and about 4 inches from the right side paper edge. The folds of the 17 inch wide paper must be at least 1-1/2 inches from the edges of the page. When the oversize page is properly folded, the page number will appear in the position where it appears on the standard-size page. When submitted, the oversized page must be one continuous sheet, with nothing glued or taped.

“Pocket” Oversized Material

Oversized material larger than 11 x 17 inches is either included at the end of the manuscript or folded for insertion into a pocket of the style used when a manuscript is bound. The student’s name should be typed or neatly block-lettered within the text area (not in the margins) in the lower right-hand portion of the oversized page. Such material is to be referred to in the text. When filing the manuscript, the student should present “pocket” oversized pages wrapped around a cardboard tube (or rolled inside a map tube) with an extra copy of the title page on the outside.
**Very Large Oversized Material**

Very large maps and other very large submitted pages should be presented in the manner described for “pocket” oversized material, rolled, not folded, and labeled with an additional copy of the title page. The student’s name must be typed or neatly block-lettered in the lower right portion of the oversized page (not in the margins).

**Color in Maps and Illustrations**

Both black and white and color illustrations are acceptable. However, the student should not use color as the key to a graph or map, etc. If the student chooses to use color reproductions, standard color copying paper is acceptable. The student must also remember that glossy prints, whether black and white or color, are not acceptable.

**Photographs**

There are two ways to include photos in the manuscript. Actual photos printed on 8-1/2 x 11 inch matte or pearl finish paper may be substituted as pages if the image size conforms to margin requirements. If the photo has been printed onto paper smaller than 8-1/2 x 11, the student should glue, paste, or somehow affix the photo to a standard sheet of paper, according to margin requirements, photocopy the paste-up either in black and white or color as appropriate, and submit the photocopy as the manuscript page. The student must not submit pasted-up pages in the manuscript; pasted-up pages will be rejected. Photo page-number placement follows standard requirements (see page 7). Photo captions may be placed on the subject and shot as part of the original negative or captions may be typed on the page facing the photo. The student is strongly encouraged to use a high quality, high contrast copying machine to reproduce photographic material for submission in lieu of photographs.

**Reproduced Published Material**

Photocopies of previously published material must be legible and conform to margin and page numbering requirements. When published material, including material authored or co-authored by the student, is included in the report, it is essential that the student follow instructions for permission to reproduce copyrighted material.
CHAPTER III

THE MANUSCRIPT

FORMAT

The student should consult with their advisor regarding an acceptable manuscript style before preparing the final copy of the report.

ARRANGEMENT

The order for the preliminary pages is listed below. A student must follow this order; no exceptions are allowed. Each page must be counted and numbered. The student must use lower case Roman numerals on preliminary pages and Arabic numerals on text pages. The text starts with the first piece of paper after the abstract and uses Arabic numeral 1.

Examples of the title and abstract pages for reports follow at the end of this document.

The manuscript is arranged in the following sequence:

1. THE PRELIMINARY PAGES
   a) TITLE PAGE (counted but not numbered)
   b) DEDICATION (optional)
   c) ACKNOWLEDGMENTS (may be optional; see Copyright Permissions)
   d) ABSTRACT (the final item in the preliminary pages and the final item with Roman numerals)

2. THE TEXT
   (The first page following the abstract is the first page of the text and is numbered with an Arabic number 1)
   a) PREFACE or INTRODUCTION (if any)
   b) TEXT, divided into chapters or sections if necessary
   c) APPENDICES (if any)
   d) ADDENDA (if applicable)
   e) REFERENCES (last pages of a chapter or of the manuscript).
PRELIMINARY PAGES

The information on the preliminary pages and the format for these pages are standardized and the student must follow the samples and instructions presented in this manual. The general format for capitalization and spacing is to be followed for all preliminary pages for which a sample is provided (e.g., where groups of lines are double-spaced on the sample pages, the student must be sure to double-space. The student must balance the spaces between groups of lines to present a balanced appearance). There must be consistency among all pages with respect to the student’s name, advisor’s name, title of report, and year the degree is granted.

Title Page
(See sample page)

1. TOURO UNIVERSITY - CALIFORNIA appears at the top of the page in small capital letters. PLEASE NOTE THE EXAMPLE TITLE PAGE! The effect of larger and smaller capital letters is produced in most word processing programs in a fashion similar to the following: Begin by typing the name with initial capital letters. Select the name, click “format” from the tool bar and select “font” from the drop-down menu. Under the heading of “effects”, click the box for “small caps”.

2. The TITLE for the report must be placed horizontally centered between the page margins and vertically centered on a line two and one half inches from the top margin of the page. It should be in a large size and may be a bold type face. Italicized letters should only be used where required by standard conventions, for example, if the title includes the phrase “Reducing the Distribution of Escherichia coli in Agricultural Settings” it is acceptable to italicize the words Escherichia coli.

The title for the report should include meaningful key words descriptive of the subject and content. This is particularly important for potentially publishable work, because titles are the basis for computer searches from which subject lists are prepared by reference services. Formulae, symbols, superscripts, Greek letters, acronyms, and abbreviated forms in general are to be spelled out (e.g., K3 Mn(CN)6 is written Potassium Manganicyanide; MMPI is written Minnesota Multiphasic Personality Inventory; TESL is written Teaching English as a Second Language, E. coli is written Escherichia coli).
3. The **CLASSIFICATION** of the report and the **DEGREE** for which the student is a candidate must be properly listed. The degree must be listed exactly as approved by the registrar, and no deviation is acceptable. Horizontally and vertically centered between the margins the following exact phase must appear, double spaced, and in the font, size, and type face used in the text:

   A report of the results of a capstone research project

   submitted as part of the requirements for the degree

   Master of Public Health

4. The **NAME** used on the title page must be the name under which the student is registered at Touro University – California. If the student is unsure about what form of his or her name is on record, this information may be obtained through the Registrar’s Office. There should be three blank lines following the statement of report classification and degree followed by the word “by” on a single line, horizontally centered and still in the font, size, and type face used in the text. Following this there should be another three blanks lines followed by the student’s name, horizontally centered on a single line and in a larger type face. The student’s name should be in a large and prominent type face, but not as large and prominent as that used for the title of the report.

   The last line of text, immediately above the bottom margin, should be the year in which the degree is granted. This should be horizontally centered and in the font, size, and type face used in the text.

5. The **DATE** at the bottom of the title page is the year in which the degree is awarded. This is the last line of text and appears immediately above the bottom margin. It should be horizontally centered and in the font, size, and type face used in the text. There is no page number on the title page (it is counted as the first preliminary page, but is not numbered).

**Dedication Page**

(No sample pages) OPTIONAL. If included, this will always be numbered page ii, and should be typed double-spaced.

**Acknowledgments**

(No sample pages) Acknowledgments may be optional except in either of the following circumstances:

1. The student reproduces/reprints copyrighted material requiring permission to be reprinted/reproduced in which case the student is responsible for acquiring and acknowledging each permission to reprint/ reproduce in accordance with the instructions of the individuals/institutions/publishers granting the permission (see Copyright Permissions).
2. The student uses as text either material based on co-authored published or about to be published articles or material based on co-authored papers in progress. If a chapter or section is based on a coauthored published or about to be published article a sentence such as, “Chapter Five is a version of _______________________________” where the student fills in the formal reference article citation is sufficient. In this way the student has identified all coauthors, the journal where the article can be found and the journal publisher. If a chapter or section is based on a co-authored paper in progress, the student must identify and acknowledge the individuals contributing to the paper. Finally, if the student is using as a chapter or section a version of an article that has its own acknowledgments, those acknowledgments should appear in the manuscript as Acknowledgments, identified by chapter or section. In each case the student should always identify and acknowledge the director of the research that forms the basis of a chapter or section.

Abstract

The word ABSTRACT appears in small capital letters immediately beneath the top margin. The student should follow the sample-page spacing. The version of the title, student’s name, degree being awarded (Master of Public Health), year of degree, and name of the advisor must match the versions used on other pages and by the registrar. The title “Professor” precedes the advisor’s name (no matter what the individual’s normal title). The title “Faculty Advisor” or “Faculty Co-Advisor” follows the name. If there are co-advisors, a separate line is used for each name.

The abstract consists of:
• a brief statement of the problem;
• a brief exposition of the method or procedures used;
• a condensed summary of the findings of the study.

The abstract may be published without further editing or revisions and special care must be taken in its preparation.

The abstract must not exceed 350 words or 35 lines (or 2,450 characters counting spaces and punctuation). If the abstract is more than two pages long, the student must be prepared to demonstrate that it is not more than 350 words long. A shorter abstract is strongly encouraged.

The last page of the abstract is the last page of the preliminary pages; it is the last page numbered with Roman numerals. Any other item in a manuscript that has not been specifically listed and discussed above must not be included in the preliminary pages. With the next sheet of paper following the last abstract page, page numbering is done with Arabic numerals, beginning with “1” and so on to the last sheet of paper.
TEXT

The student should consult with their advisor to determine the preferred textual arrangement and style, including footnote style and the manner of citation. Techniques for managing reproduction of oversize, illustrative, and special material are described above. Regulations regarding the use of published and other special material that may require special permission or acknowledgment are presented in the following section.

COPYRIGHT PERMISSIONS

Using Reprints, Modified Published/About-to-be Published or Unpublished Material, or Reproduced Copyrighted Material in the Manuscript

Permission to reprint/reproduce copyrighted material in a manuscript will often be required, depending on what material is used and how it is reproduced. If a student does not have the appropriate copyright permissions at the time the manuscript is filed, the student may still be allowed to file, but the necessary copyright permissions must still be obtained. All appropriate copyright permissions must be obtained before credit can be granted for the capstone project for which the report has been submitted can be awarded.

USE OF REPRINTS. If approved by the student’s advisor, the report may include reprints of previously published articles where the student is a co-author. A reprint is a direct copy of a published article. To be acceptable in a capstone report the reprint must be reduced to fit manuscript margin requirements and paginated appropriately, with the original page numbers removed.

A reprint is copyrighted material. If a reprint is used, the student must obtain the publisher’s permission to reprint and acknowledge the permission in the manuscript Acknowledgments. The student must also identify the author who directed the research that forms the basis of the article/chapter.

CHAPTERS OR SECTIONS BASED ON PUBLISHED OR ABOUT TO BE PUBLISHED ARTICLES AND CHAPTERS OR SECTIONS BASED ON PAPERS IN PROGRESS. If a student uses a modified version of a published/about to be published article or a paper in progress as a chapter or section in the manuscript, the student is not using a reprint, so copyright permission to reprint will not be required. However, please note that if the student reprints actual copies of published figures or tables as part of the chapter or section, permission to reprint those figures or tables is required. All non-reprinted text must be formatted according to program requirements, all cover pages containing co-authors, grants, addresses, etc., and individual acknowledgments removed, and tables, figures, etc., numbered consecutively.

REPRODUCING COPYRIGHTED MATERIAL IN A MANUSCRIPT. If the student reproduces or reprints a complete, single, copyrighted image or work such as, e.g., a table, figure, poem, picture, map, or song, permission to reproduce or reprint the image or work should be obtained from the individual or concern which was the source of the image used
in the manuscript: a publisher, institution, or individual. If the student reproduces in the manuscript an excerpt or excerpts of copyrighted material not longer than one single-spaced manuscript page and from a single source, the student will not need to ask copyright permission from a publisher, institution, or individual. If the student reproduces more copyrighted material from a single source than fits on one single-spaced manuscript page, the student should obtain permission to reproduce the copyrighted material from the individual or concern that was the source of the material.

**PERMISSIONS LETTERS.** If the student believes that permissions letters may be necessary, the request should be mailed as early as possible. If the student is in any doubt about whether a permission letter is required, they should speak with one of the capstone coordinators. If the required letters are not received by the date of filing, the student may still be allowed to file, but the necessary permission letters must still be obtained. **All appropriate permission letters must be obtained before credit can be granted for the capstone project for which the report has been submitted can be awarded.**

When contacting publishers, the time limits should be included in the permission request. Also, the permission request should not be left open-ended. The publishers should be asked for a response, whether the answer is yes or no. When contacting publishers for permissions letters, the student should use his or her home or their full name and the program office as a return address if he or she is writing early enough to receive replies before filing the manuscript. If the student waits until the last minute before sending out permission-request letters, he or she should use their full name with the program office as an address. At the time of publication of this document, this should read as follows:

Student Name  
Public Health Program  
Touro University - California  
1310 Johnson Lane, Mare Island  
Vallejo, CA 94592

**DETERMINING IF THE MATERIAL IS COPYRIGHTED.** The student should check the front of the material, looking for the publishing history and the international copyright sign: “©” Normally, whatever appears after “© by” identifies who holds the copyright. Some general rules of thumb: professional journals hold the copyrights on all articles they publish; magazines and newspapers hold the copyrights on everything they publish; publishing houses hold the copyright on all books, whether collections, editions, translations, etc. that the house produces. Foreign copyrights are as valid as U.S. copyrights: foreign publishers must provide permission letters for any copyrighted material taken from books, journals, music collections, newspapers, etc.

Material published in the U.S. before 1978 and that is more than 75 years old is in the public domain. Material published outside the U.S. does not have clear-cut rules. Some authorities advise that it is not safe to assume that a foreign work copyrighted in the last 200 years is in the public domain. Especially for non-U.S. copyrighted material, a student should always err on the side of supposing that copyright permission is necessary.
When using an old text — Tacitus, Diderot, Lord Acton, John Snow, etc. — the student should always check the edition date found on the publishing page. Just because the text is old does not mean that the edition being used is old or out of copyright.

If it is certain that a permission letter is not required, a student must provide a letter when filing the manuscript that indicates why the permission is not needed and proving that the material in question is in the public domain.

**PERMISSION TO REPRODUCE FROM PRIVATE OR MUSEUM COLLECTIONS.**
Permission is required for the use of materials from certain private collections and museums without respect to copyright. The student is responsible for determining if permission is needed and, if it is, must submit letters of permission when the manuscript is filed with the program.

**REFERENCE SECTION**

The reference section is always the last section of the manuscript. The style used for the reference section is defined by The American Psychological Association, APA style. Details not clearly established in the APA style manual or in this document may be determined by the student in consultation with their faculty advisor and the capstone project coordinators. Reference citations are single-spaced and single-spaced between citations. If references are needed at the end of each chapter or section, as is sometimes the case, this format may be acceptable but will require the approval of one of the capstone project directors.
CHAPTER IV

Sample Pages

The next two pages contain samples of the layout and format of the title page and the abstract page respectively. These samples should be followed carefully, as deviations from the standard format will not be accepted.

PLEASE NOTE that the title page of your report must not have a page number, and that your abstract page must have a page number in lower case Roman numerals.
Reducing the Distribution of *Escherichia coli* in Agricultural Settings

A report of the results of a capstone research project submitted as part of the requirements for the degree Master of Public Health

by

John Snow

2008
ABSTRACT OF THE REPORT

Reducing the Distribution of *Escherichia coli* in Agricultural Settings

by

John Snow

Master of Public Health

Touro University - California, 2008

Professor Mohandas K. Gandhi, Faculty Advisor

Professor Albert Schweitzer, Faculty Co-Advisor

The student begins typing the abstract here, double-spaced. The body of the abstract is limited to 350 words, with a maximum of 2,450 characters allowed. Spaces and punctuation are counted as characters for this purpose. To get an estimate of the count, the student should count the characters (including spaces and punctuation) of a line of average length, and multiply by the number of lines.