

**DEGREE/PROGRAM CHANGE
FORM C
Form Number: C1584**

Fields marked with * are required

Name of Initiator: Jacqueline Castro **Email:** queline@unm.edu **Phone Number:** 505 272-8252 **Date:** 11-25-2014

Associated Forms exist? Yes
Initiator's Title Dept Administrator C1: Department of Dental Medici
Faculty Contact Christine Nathe Administrative Contact Cynthia Guillen
Department Dept of Dental Medicine Div. of Hygiene Admin Email cguillen@salud.unm.edu
Branch Main Campus Admin Phone 272-8205

Proposed effective term

Semester Spring Year 2016

Course Information

Select Appropriate Program Graduate Degree Program
Name of New or Existing Program Master of Science in Dental Hygiene
Select Category Major Degree Type MS
Select Action Revision

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.

See current catalog for format within the respective college (upload a doc/pdf file)

[DEHY 538 Syllabus 2014 Draft Revisions \(1\).doc](#)

Does this change affect other departmental program/branch campuses? If yes, indicate below.

Reason(s) for Request (enter text below or upload a doc/pdf file)

We are replacing STAT 579, currently a required course, with DEHY 538. This course will be offered by our division and fits more appropriately for our curricular needs.

[DEHY 538 Statistics Justification.docx](#)

Upload a document that includes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications.(upload a doc/pdf file)

Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)

DEHY 538
Statistics in Dental Hygiene Research

Course Director: Christine Nathe, RDH, MS
Professor and Director

Course Credit: 3 credits

Course Hours: Online, including three Blackboard Collaborate courses as scheduled prior to semester. Students will be required to participate in Blackboard Collaborate discussions at prescheduled times several times during the semester. These will take place via Blackboard Collaborate on the course learn.unm.edu site.

Office Hours: By appointment:
272-8147
cnathe@salud.unm.edu
269-8406 (cell phone)

Curriculum Level: Graduate Level MSDH Only

Pre-requisite: DEHY 510

Accommodations

Accessibility Services (Mesa Vista Hall 2021, 277-3506) provides academic support to students who have disabilities. If you think you need alternative accessible formats for undertaking and completing coursework, you should contact this service right away to assure your needs are met in a timely manner. If you need local assistance in contacting Accessibility Services, see the Bachelor and Graduate Programs office.

Course Description: This course is designed to provide a conceptual foundation of statistics related to basic, clinical and behavioral dental hygiene science.

Required Text: Nathe, C. *Dental Public Health and Research*. 4th edition. Upper Saddle River, NJ: Pearson, 2015.

Selected journal articles from a variety of disciplines and perspectives.

Required Aids: Headset with earphones and microphone

Teaching Methods: This course is designed to provide the graduate student with knowledge and experience in statistical methods used in dental hygiene research.

Course Goals: Upon completion of this course, the student will be able to:

1. Discuss the use of evidenced-based practice in dental hygiene.
2. Define and describe oral epidemiology.
3. Relate epidemiology to evidenced-based practice.
4. Describe the current epidemiological issues of disease.
5. Define and describe data analysis and interpretation.
6. Identify data by their type and scale of measurement.
7. Define and describe descriptive, correlational and inferential statistics.
8. Select and compute appropriate measure of central tendency and measures of dispersion for various types of data.
9. Describe and construct frequency distributions and graphs for various types of data.
10. Select appropriate inferential statistical test for various types of data.
11. Interpret research results.

Course Requirements:

The student will be evaluated on the basis of the following:

<u>Activity</u>	<u>Weight</u>
Evidenced Based Seminar	10%
Scientific Findings Assignment	10%
Class Assignments	30%
Oral Epidemiology Report	20%
Data Collection/Analysis Assignment	30%

Topics to Be Covered:

<u>Date</u>	<u>Topic</u>	<u>Reading Assignment</u>
Week 1	Intro to Course	
Week 2	Evidenced Based Practice Blackboard Collaborate Discussion	Chapters14, 15
Week 3	Oral Epidemiology	Chapter 17
Week 4	Oral Epidemiology	Chapter 17
Week 5	Statistical Trends	Chapter 18
Week 6	Research Approaches Designs	Chapter 16
Week 7	Sampling	Chapter 16
Week 8	Data Collection	Chapter 19
Week 9	Data Analysis	Chapter 19
Week 10	Biostats Blackboard Collaborate Discussion	Chapter 20
Week 11	Biostats	Chapter 20

Week 12	Biostats	Chapter 20
Week 13	Biostats	Chapter 20
Week 14	Scientific Findings	Chapter 21
Week 15	Data Collection/Analysis Due	
Week 16	Data Collection/Analysis Blackboard Collaborate Presentations	

Note: Additional course reading assignments will be required reading and will be available online.

Date Revised: 11/14

DEHY 538 Statistics in Dental Hygiene Research

Justification for the Course: The graduate program in dental hygiene is now offered exclusively online. The dental hygiene graduate students currently have a statistics course from the MPH program, that is not offered online, so the majority of graduate students have taken a variety of different statistics course based on need and availability. Faculty teaching the thesis course, have spent considerable efforts helping with the statistical piece of the project and feel that a solution to the difficulty in this area, would be to offer these students a course which focuses on the education of the graduate level dental hygienists in statistics related and applicable to dental hygiene research.

Long Range Planning: The Division will continue offering this course on a permanent basis.

Faculty Workload Implications: Christine Nathe, a Professor and former Graduate Program Director, will be teaching this course. This course will follow a dental hygiene research methods course required and precede the thesis courses in sequence. Professor Nathe was very active in teaching thesis courses in the past and with the merge of the Dental Hygiene and Dental Services divisions several years ago, the Division of Dental Hygiene has increased the number of faculty approved for thesis committee participation, thus decreasing the need for her participation in many of the thesis projects.

Detailed Budget Analysis: This should not impact the dental hygiene budget, since this course, will decrease her thesis course participation.

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