A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 2 hours lecture, 2 hours lab
3. Prerequisites (Course discipline/number): High school algebra or the college equivalent.
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course provides a spectrum of experience which contributes to the continuing development of insight into community problems and understanding the needs of people in the community. It provides an understanding of how private dentistry and dental public health can work together to meet the needs of the community. When completed, the student has a working knowledge of public health. The laboratory portion of this course is designed to assist the students in needs assessment, program planning, program implementation, funding, and program evaluation. This course includes the development of an educational pamphlet or poster on a health or dental health topic. This course includes an observation rotation at an alternative delivery site.

B. DATE LAST REVISED (Month, year): August, 2011

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Compare/Contrast Public Health and Private Dental Practice
2. Develop Knowledge of Dental Indices and Biostatistics
3. Assess Needs of a Population
4. Plan to Address Needs of a Population
5. Put Plan into Action
6. Evaluation Process and Product

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Distinguish between public health and private practice dentistry.
2. Support the role epidemiology plays in dentistry.
3. Demonstrate working knowledge of basic biostatistical techniques and use these concepts to evaluate dental literature.
4. Utilize dental indices in measuring oral disease.
5. Evaluate community dental health programs to control dental disease in the general population.
6. Identify barriers to delivery of dental treatment present in the community.
7. Identify factors preventing dental professions from preventing disease.
8. Differentiate between health education and health promotion.
9. Identify a need or problem which affects the dental health of a population/community.
10. Design a method to assess the needs of the population/community.
11. Assess the needs of the population/community.
12. Analyze the information gathered during the assessment phase.
13. Determine priorities for dealing with the problem or need of the community/population.
14. Develop a reasonable goal which includes the following:
   a) time period
   b) methods
   c) measurable objectives
15. Identify resources available to the community/population including the following:
   a) financial
   b) professional
   c) non professional
16. Identify constraints that exist.
17. Develop alternative strategies to deal with constraints.
18. Implement the planned program.
19. Evaluate the effectiveness of the program.
20. Recommend methods to modify or adjust the program.
21. Develop a pamphlet or poster on a health or dental health topic.
D. LEARNING OUTCOMES (GENERAL) (continued):
   22. Identify legislative initiatives to access to dental care issues including the collaborative agreement dental
       hygienist, the Bachelor’s Degree trained Dental Therapist, and the Master’s Degree trained Dental Therapist.
   23. Identify circumstances under which these dental personnel may deliver services and what services may be
       delivered by each category of provider.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. Quizzes (3) ........................................................................................................... 30%
   2. Comprehensive Final Exam ............................................................................... 25%
   3. Community Dental Health Project (including completed
documentation and presentation to class) ......................................................... 30%
   4. Observation at an alternative delivery site ......................................................... 5%
   5. Pamphlet/poster .................................................................................................. 5%
   6. Paper: Evaluating the Dental Literature ........................................................... 5%

Grading
A. 100-94%
B. 93-88%
C. 87-82%

Students are expected to maintain academic and professional integrity. Any breach of academic or professional integrity, including cheating, plagiarism, or classroom misconduct, is grounds for discipline.

G. RCTC CORE OUTCOME(S) ADDRESSED:
   ☑ Communication ☑ Civic Responsibility
   ☑ Critical Thinking ☑ Personal/Professional Accountability
   ☐ Global Awareness/Diversity ☐ Aesthetic Response

H. SPECIAL INFORMATION (if any): None