

LAST REVIEW: 2010 - 2011

NEXT REVIEW: 2015 - 2016

STATUS: A

COURSE TITLE: COMMUNITY DENTAL HEALTH

COMMON COURSE NUMBER: DEH 2701

CREDIT HOURS: 2

CONTACT HOUR BREAKDOWN

CLOCK HOURS:

Lecture: **2**

Lab: **0**

Clinic:

Other:

**PREREQUISITE(S): DEH 1002, DEH 1002L, DEH 2300, DEH 1800, DEH 1800
DEH 1800L, DEH 2300, DEH 1602**

COREQUISITE(S): DEH 1802, DEH 1802L, DES 1130

PRE/COREQUISITE(S):

COURSE DESCRIPTION: This course provides continuation of theoretical material related to clinical dental hygiene practice. It includes discussions on case information, community dental health, ethics and jurisprudence and Florida Statutes 466, Rule 6148.

UNIT TITLES

1. Community Dental Health: Dental Delivery Care Systems
2. Demographics: Cultural Issues
3. Dental Disease: Epidemiology
4. Planning Community Programs
5. Research in Dental Care
6. Ethical Issues in Community Dental Health
7. Legal Relationships

EVALUATION:

GRADING: Grades will be determined by the following:

Class Project	- 10%
Participation	- 5%
Assignments	- 5%
Unit Exams (3 exams)	- 45%
Final Exam	- 35%

The student's letter grade for this course will be determined by the departmental percentage scale:

92 - 100 = A
83 - 91 = B
75 - 82 = C
66 - 74 = D

F

A final grade of "C" or higher must be achieved in all Dental Hygiene courses for continuance in the Program.

All graded examinations and projects will be retained by the Dental Hygiene Department for the purpose of maintaining the student's academic records. The student may have access to his/her file upon request. An appointment may be necessary to do so.

The class project will be the research of and in class discussion of a community program based on information to be given to the student on the first day of class. Two assignments will include a critique of a dental research article that is chosen by the student and completing assigned statistics problems which will be given in class.

ACADEMIC DISHONESTY:

If a student commits any act of academic dishonesty according to BC Policy 6Hx2-5.02, such as but not limited to cheating or plagiarism, that student will receive an "F" grade for the course and may also be subject to disciplinary procedures in accordance with college policy. The Student Code of Conduct, BC Policy 6Hx2-5.02, gives a description of what acts may constitute academic dishonesty. These descriptions are also included in the BC Student Handbook and in the BC College Catalog. (Be aware as stated in the Dental Hygiene Student Handbook any act of Academic Dishonesty will result in the immediate dismissal of the student from the Dental Hygiene Program and does not merit previous written warning.)

DISRUPTIVE STUDENT POLICY:

All students will be bound by BC policy 6Hx2-5.19. Students who cannot conform to the standards of appropriate behavior as set forth in Broward College Policy 6Hx2-5.02, Student Responsibilities, shall not be permitted to interfere with other students' access to a college education. If in the opinion of the faculty the student is disruptive, faculty may ask a student to leave the classroom for the class period. The student will be permitted to return upon the permission of the faculty.

ATTENDANCE:

Attendance and punctuality are highly recommended for each course. When the student is absent or late the student must call the course instructor as early as possible to inform the instructor. If the instructor cannot be reached then call the Associate Dean at 954-201-6904. If it is necessary to leave a message at either location please include a telephone number where you can be reached. Absences are recorded in the PARTICIPATION portion of your final grade.

Non-Class Days: Should unanticipated circumstances that are beyond anyone's control or when concerns are raised about the safety and/or security of the students, faculty, and staff, the President or his/her designee has the authority to close a campus or the College. For purposes of grading and attendance policies, the day(s) during which the campus/college is closed shall be considered a non-class day(s). When this occurs, each faculty member shall determine how best to make up the lost class time.

Excused/Non-Penalized Absences: There shall be no penalty for a student who is absent from academic activities because of religious holy day observances in his/her own faith, the student's serious illness, a death in the immediate family, or attendance to statutory governmental responsibilities. The student is responsible to bring documentation of any of these to the faculty member within ten days of this absence. In the case of jury duty, please contact the Associate Dean to receive a letter of full time student status to present to the courts for deferral.

Student Responsibilities Relative to Excused/Non-Penalized Absences: A student shall notify instructors in advance of absence(s) to observe a religious holy day(s) in his/her own faith, and shall likewise notify instructors in advance of other absences when practicable under the circumstances. "Death in the immediate family" shall be interpreted to mean mother, father, spouse, child, brother, sister, grandparents, or grandchildren. "Statutory governmental responsibilities" refer to such matters as jury duty, subpoena for court appearance or unplanned military obligation. If a non-penalized absence occurs on the first day of class, the student shall notify the instructor of the reason for his/her absence at the next class meeting. Documentation for non-penalized absences must be presented by the student to the faculty member within ten days of this absence. The student shall be responsible for the material covered in his/her absence and shall be granted a reasonable amount of time to make up any work or test missed for excused/non-penalized absences.

Important Notice

Starting fall 2007, faculty will report student non-attendance. If you stop attending class *prior* to the withdrawal date, you will be administratively withdrawn from class and receive a **W** or, if it is your third attempt, an **F**.

If you stop attending class *after* the withdrawal date, you will receive a **WF** that will then be computed as an **F** in your **GPA**. To avoid this situation, you should remain an active learner in this class and always communicate extenuating circumstances to me. Ongoing communication with the instructor is critical to your course success.

If a student does not attend classes within two weeks after the Drop/Add period in each session, he/she will be withdrawn from classes or receive a failing grade for non-attendance. In either case, no refund will be given.

Requirements for class attendance are determined by the instructor and will be outlined in the course syllabus. It is the student's responsibility to attend classes to ensure that he/she is properly enrolled.

Common Course Number: DEH 2701

UNITS

Unit 1 Community Dental Health: Dental Delivery Care Systems

General Outcome:

- 1.0 The student shall:** Discuss dental public health and general factors that influence the practice of dentistry.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1 Define dental public health.
- 1.2 List the elements of a successful public health program.
- 1.3 Describe various public health programs found in the United States and here in Broward County.
- 1.4 Discuss the dental care delivery system provided in the United States. Compare with managed care.
- 1.5 Discuss the recent Surgeon General's Report on Oral Health in America.
- 1.6 Name the agencies of the Department of Health and Human Services.
- 1.7 List the agencies of the Public Health Service.
- 1.8 Compare and contrast Medicare and Medicaid in this country. Include dental services.
- 1.9 State how demographics have influenced the practice of dentistry.
- 1.10 Discuss the impact of third party payment systems on the practice of dentistry.
- 1.11 State how usual and customary payments to dentists are determined.
- 1.12 Describe how dentistry has been affected by malpractice insurance, medically compromised patients, and infection control.

- 1.13 Discuss the emergence of alternative delivery systems.
- 1.14 Trace the history of the dental hygiene profession.
- 1.15 Describe the employment opportunities for a Community Dental Health hygienist.
- 1.16 Describe internal factors that influence the practice of dental hygiene.
- 1.17 List future roles of the dental hygienist.

Common Course Number: DEH 2701

Unit 2 Demographics: Cultural Issues

General Outcome:

- 2.0 The student shall:** Define demographics and apply cultural diversity issues to community dental health.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1 Define epidemiology.
- 2.2 Describe the changing demographics in America.
- 2.3 Describe the predisposing, enabling, and need factors which influence the utilization of dental health services.
- 2.4 Describe facilitators and barriers to oral care.
- 2.5 Discuss the importance of understanding cultural backgrounds as it effects delivery of dental care.
- 2.6 Describe the significance of the increase in the geriatric population and how this age group impacts the delivery of oral health care.
- 2.7 Discuss the pattern of dental diseases seen in the geriatric population.
- 2.8 Define dependence.
- 2.9 Describe oral health in assisted living facilities.
- 2.10. Explain the types of dental delivery systems available for utilization by the elderly.
- 2.11 Discuss financing of geriatric oral health in the United States.
- 2.12 Describe dental disease in the elderly.
- 2.13 State the three most frequent causes of death in the elderly.

- 2.14 Discuss the importance of evaluation of pharmacological preparations used by elderly patients.
- 2.15 Explain why the elderly have the lowest median income of any population group.
- 2.16 Describe the current impact of dental caries among children in America.
- 2.17 Discuss preventive measures that can be taken in public health settings to protect children's oral health.

Common Course Number: DEH 2701

Unit 3 Dental Disease: Epidemiology

General Outcome:

3.0 The student shall: Discuss epidemiology and the impact of diseases on dental hygiene practice.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1 Discuss the use of epidemiology in dentistry.
- 3.2 Differentiate among descriptive, analytical, and experimental epidemiology.
- 3.3 Differentiate between incidence and prevalence.
- 3.4 Define the following and give an example of each:
 - prospective cohort study
 - case control study
 - retrospective follow-up studies
 - clinical trial
- 3.5 Relate epidemiology to the development of caries and periodontal disease.
- 3.6 State reasons why epidemiological studies are conducted in dentistry.
- 3.7 Describe the epidemiology of tooth loss and oral cancer.
- 3.8 Discuss the impact of transmissible diseases on dental practice.
- 3.9 List the characteristics of an ideal public health measure.
- 3.10 Describe the areas included in effective infection control measures.

Common Course Number: DEH 2701

Unit 4 Planning Community Programs

General Outcome:

- 4.0 The student shall:** Describe the development of organized community dental programs, their effectiveness, and the role of the dental patient in their development.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1 Define and give examples for the three categories of prevention.
- 4.2 Discuss various public health programs designed to prevent caries.
- 4.3 Describe what type of public health program exists for the prevention of periodontal disease and oral facial injuries.
- 4.4 Define health education.
- 4.5 Compare community dental health educational programs to individual programs.
- 4.6 Name the key issues on oral health education.
- 4.7 Describe the relationship between knowledge, attitude, and behavior in relationship to producing change.
- 4.8 Describe the social cognitive theory.
- 4.9 Discuss the health belief model.
- 4.10 Describe the community health model, including social marketing and media influence.
- 4.11 State why most preventive educational programs are targeted for children.

- 4.12 Describe the “Bright Smiles”, “Crest “, and Texas “Tattle tooth” programs.
- 4.13 Describe the two existing public health programs in North Carolina.
- 4.14 Explain the need for research in community dental health.
- 4.15 Develop an educational dental health program for school age children.
- 4.16 Compare planning dental care for the individual patient and community dental care.
- 4.17 Recognize six different types of health planning.
- 4.18 State three reasons to conduct a needs assessment.
- 4.19 Discuss information to be included in a population profile.
- 4.20 Describe planning, setting priorities, and developing goals and objectives.
- 4.21 Describe elements involved in implementation of a plan.
- 4.22 Discuss the importance of obtaining information regarding:
- socioeconomic structure
 - population breakdown
 - educational status
 - median income
 - transportation
 - health care facilities
 - labor data
- 4.23 Differentiate between goals and objectives.
- 4.24 Discuss the importance of program evaluation.
- 4.25 Differentiate between formative and summative evaluation.
- 4.26 Discuss the significance and difficulties of measuring outcomes.

Common Course Number: DEH 2701

Unit 5 Research in Dental Care

General Outcome:

5.0 The student shall: State the importance of research and evaluation in the development, planning and implementation of community dental health programs.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 5.1 Define statistics.
- 5.2 Differentiate between descriptive and inferential statistics.
- 5.3 Differentiate between population and sample.
- 5.4 Define five methods of sampling and which may create bias.
- 5.5 Define data analysis.
- 5.6 Compare ungrouped, grouped, and cumulative frequency distributions.
- 5.7 Recognize a bar graph, histogram, and frequency polygon.
- 5.8 Differentiate among mean, median, and mode.
- 5.9 Define range, variance, and standard deviation.
- 5.10 Draw a normal curve.
- 5.11 Define null hypothesis, probability, chi square test and correlation.
Give examples of how each may be used gathering research data.
- 5.12 State the purpose of evaluation.

- 5.13 Differentiate between evaluation and research.
- 5.14 Compare formative and summative evaluations.
- 5.15 Compare validity and reliability.
- 5.16 Discuss importance, statistical adequacy, and feasibility in selecting measurement instruments.
- 5.17 Differentiate between experimental and non-experimental research designs.
- 5.18 List several constraints on using the results of evaluation.
- 5.19 Differentiate between basic and applied research.
- 5.20 Describe three types of community dentistry research.
- 5.21 Explain three ways that the government has influenced dental research.
- 5.22 Discuss the concept of informed consent in dental research.
- 5.23 Define placebo.
- 5.24 Describe the design of clinical trial and questionnaire survey research.
- 5.25 Analyze three research articles in terms of:
 - date of publication
 - reputation of journal
 - reputation of author
 - source of financial support
 - corroboration from other sources
 - quality of literature review
 - characteristics of study design
 - style of writing

Common Course Number: DEH 2701

Unit 6 Ethical Issues in Community Dental Health

General Outcome:

- 6.0 The student shall:** Describe the principle of ethics and the relationships between the patient, hygienist, employer and employee.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 6.1 Define professional and describe characteristics of a profession.
- 6.2 List and discuss the three principles of bioethics.
- 6.3 Discuss fairness and justice.
- 6.4 Analyze and discuss the ethical cases in chapter 16.
- 6.5 Recognize the Principles of Ethics of the American Dental Hygienists' Association.
- 6.6 Discuss your own personal set of ethical standards in relation to the Dental Hygienists' Code of Ethics.
- 6.7 Define ethics.
- 6.8 Differentiate among ethics, morals, and values.

Common Course Number: DEH 2701

Unit 7 Legal Relationships

General Outcome:

- 7.0 The student shall:** Describe the legal relationships between the patient, hygienist, employer and employee.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 7.1 Define legislation.
- 7.2 Describe how laws governing dentistry began in the United States.
- 7.3 Describe risk management and apply it to dental practice.
- 7.4 Define tort (intentional and unintentional).
- 7.5 Differentiate between civil and criminal law.
- 7.6 Describe case law and black letter law.
- 7.7 Describe how dental practice is regulated by law.
- 7.8 Describe the doctor patient contract and the doctor patient relationship.
- 7.9 Define tort and describe the difference in unintentional and intentional tort.
- 7.10 Name the elements of a contract.
- 7.11 Describe how malpractice may occur.