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Semester effective:

Dental Hygiene (DNTH) 4045 Public Health Education and Programs (3 Units)

Prerequisite: Admission to the Dental Hygiene completion program, successful completion of UDGE 3005 with a grade of “C” or higher

Hours and Units Calculations:

48 hours lecture. 96 Outside of class hours. (144 Total Student Learning Hours) 3 Units

Catalog Description: Contemporary issues in dental public health including aging populations, dental health care reform and access to care are covered in this course with focus on community health projects, community partnerships, and evaluation of dental public health programs.

Type of Class/Course: Degree Credit

Textbook:

Nathe, Christine. Dental Public Health and Research, 4th ed. Prentice Hall, 2017.

Additional Required Materials: N/A

Course Objectives:

By the end of the course, a successful student will be able to:

1. Create and evaluation outcomes of community health project.
2. Communicate scientific information to peers and colleagues.
3. Identify barriers to care.

Course Scope and Content:

- Unit I Community Health Project
- A. Target group/intended audience
 - a. Educational level
 - b. Socioeconomic status
 - c. Ethnicity
 - d. Cultural considerations
 - e. Gender
 - f. Age
 - B. Community partners
 - a. Professional organizations
 - b. Educational institutions
 - c. Business affiliations
 - d. Non-profit

- e. Hospitals
- C. Assessment tools and data collections
 - a. Interview
 - b. Surveys and questionnaires
 - i. Characteristics of good surveys and questionnaires
 - ii. Types of survey questions
 - 1. Multiple choice
 - 2. True or false
 - 3. Fill in the blank
 - 4. Short answer
 - c. Observation
 - d. Dental screenings and examinations
 - i. Type I examination
 - ii. Type II examination
 - iii. Type III examination
 - iv. Type IV examination
 - e. Dental indices
 - i. Decayed, Missing, Filled Teeth (DMFT/permanent dentition)
decayed, filled teeth (dft/primary dentition)
 - ii. Root caries index
 - iii. Community periodontal index
 - iv. Basic screening survey
 - v. Plaque index
 - vi. Gingival index
 - vii. research

Unit II

- Program evaluation
- A. types of program evaluation
 - a. formative
 - b. summative
- B. methods of evaluation
 - a. post program only
 - b. pre and post program
 - c. pre and post program with comparison group
 - d. pre and post program with control group
- C. Statistical analysis of outcomes
 - a. Types of data
 - b. Statistical tests
 - c. Correlation
 - d. Displaying data

Unit III

- Scientific Communication
- A. Communication format
 - a. Oral presentation
 - b. Table clinic
 - c. Round table discussion
 - d. Focus group
 - e. Poster presentation

- Unit IV Contemporary Issues
- A. Healthcare reform and dentistry
 - B. Aging of America and the impact on dental care delivery
 - C. Teledentistry and oral health disparities
 - D. National dental hygiene research agenda
 - a. Health promotion and disease prevention
 - i. Diversity and its impact on oral health promotion and preventive behaviors
 - ii. Factors that influence oral health behaviors
 - 1. Culture
 - 2. Socioeconomic status
 - 3. Education
 - 4. Learned health habits
 - b. Health services
 - i. Public policies and the impact on access to dental services
 - ii. Alternative practice settings
 - E. Prevention strategies
 - a. Fluoridation
 - b. Fluoride varnish applications
 - c. Dental sealants
 - F. Health People program
 - a. Oral health indicators
 - i. Access to health services
 - ii. Oral preventive services
 - b. Oral health objectives

Learning Activities Required Outside of Class

The students in the class will spend a minimum of 6 hours per week outside of the regular class time doing the following:

1. Read from relevant textbooks, peer-reviewed journals, and current periodicals, approximately 50-100 pages per week
2. Creating and implementing community health project

Methods of Instruction

1. Lecture
2. Discussion
3. Cooperative learning exercises
4. Individual and collaborative activities
5. Research and writing assignments

Methods of Evaluation

1. Weekly participation in Discussions
2. Written assignments
3. Community Health Presentation

4. Reflective Journaling

Supplemental Data:

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|---------------------------------|---|
| TOP Code: | 124020: Dental Hygienist |
| SAM Priority Code: | B: Advanced Occupational |
| Distance Education: | Not Applicable |
| Funding Agency: | Y: Not Applicable(funds not used) |
| Program Status: | 1: Program Applicable |
| Noncredit Category: | Y: Not Applicable, Credit Course |
| Special Class Status: | N: Course is not a special class |
| Basic Skills Status: | N: Course is not a basic skills course |
| Prior to College Level: | Y: Not applicable |
| Cooperative Work Experience: | N: Is not part of a cooperative work experience education program |
| Eligible for Credit by Exam: | NO |
| Eligible for Pass/No Pass: | NO |
| Taft College General Education: | NONE |
| Discipline: | Dental Technology or Health |