DENTAL HYGIENE

Dental hygienists are licensed health care professionals that specialize in preventing oral health problems and diseases. To become a licensed, registered dental hygienist requires successful completion of an American Dental Association (ADA) - accredited dental hygiene program, the National Dental Hygiene Board Examination, and a state or regional examination. The primary responsibility of a dental hygienist is to treat and educate patients in the control and prevention of oral diseases. Typical functions of the clinical dental hygienist include assessing health histories, evaluating and charting oral conditions, removing deposits (plaque, tartar, and stain) from the teeth, exposing and processing dental x-rays, applying preventive agents to the tooth surfaces such as fluoride and sealants, and providing individualized oral hygiene instruction services.

This growing career field is projected to be one of the thirty fastest-growing occupations. The population growth, combined with the increasing rate of retention of natural teeth, will continue to stimulate the need for dental hygienists. For additional information on the profession of dental hygiene, contact the American Dental Hygienists' Association (http://www.adha.org/).

Program Policies

Academic Advising

The division director and faculty serve as student advisors. The advisor can assist the student in recognizing and acknowledging that they are experiencing academic difficulty. At all times, the faculty member can act to reassure, counsel, advise and refer students to appropriate individuals for help with their particular problem. Topics that may be addressed through faculty advising include academic issues, program policies, study problems, time management, and clinical progress, as well as the advisor's referral to other support systems in the university or community.

Academic Warning

The Academic Performance Committee meets twice per semester to review students' academic progress in the program. At the mid-semester meeting, students identified as performing at an unsatisfactory level in any course are sent a letter from the program director requesting that they meet with their course instructor and academic advisor. An academic warning, unto itself, does not require prescribed action on the part of the student. It is expected that the student who has received an academic warning will correct mid-semester academic deficiencies by the end of that particular semester.

An academic warning is offered at mid-semester and is a courtesy to the student, allowing for supportive dialogue between the student and the dental hygiene administration.

Advancement, Probation and Dismissal

A satisfactory rate of progress toward the degree is determined by the Dental Hygiene Academic Performance Committee (APC) for the bachelor's degree according to the following standards. A student can be considered for dismissal from the School of Dentistry for academic deficiencies or violation of university regulations. The Academic Performance Committee is responsible for considering students for academic dismissal. Students may be suspended, dismissed, and/or refused readmission at any time if circumstances of an ethical, legal, moral, health, social, psychomotor skill development, or academic nature are considered to justify such an action.

Academic Dismissal: An option to appear before the Academic Performance Committee will be extended to the student before a vote is taken to recommend academic dismissal. The purpose of the appearance is to inform the committee of extenuating circumstances which may have contributed to the student's performance. The student may request that other appropriate verbal and/or written testimony regarding these circumstances be presented at this meeting. Only members of the committee will be present when the vote for dismissal is taken.

Performance Review: Each student's performance is reviewed at the middle and end of every term by the APC. At mid-term, the APC determines whether the student is progressing satisfactorily or whether a warning letter should be issued. Warning letters specify each course in which the student is performing unsatisfactorily and suggest that the student meet with the course director to assist in remediation strategies. Students are responsible for arranging instructor counseling and assistance in remedying any academic deficiencies.

Promotion Recommendations: At semester's end, the APC determines the student's promotion status. The APC evaluates other aspects of the student's performance: (1) course grade(s), (2) attendance record, (3) professionalism, (4) and psychomotor skill development. The APC also may assess extenuating circumstances that might have affected student progress on an individual basis. Recommendations are forwarded to the program director for final approval. A student performing at an unsatisfactory level will receive written notification of her/his status from the Associate Dean of Academic Affairs.

The policies below apply to students in the bachelor's degree programs (entry-level and degree completion).

Unconditional Advancement – A student may be considered for Unconditional Advancement if the student:

- Achieves a minimum grade point average of 2.0 each semester,
- Successfully completes all prescribed courses and semester requirements, and
- Earns a satisfactory grade in each course taken.

In addition, the faculty will consider all areas listed above under Promotion Recommendations.

Probationary Advancement – A student may be considered for Probationary Advancement if the student:

- Withdraws from a prescribed course with the approval of the department chair but meets all other conditions for Unconditional Advancement (degree completion),
- Receives an unsatisfactory grade in a single course; or
- Receives an I (incomplete) grade in any course(s).

A student who receives an unsatisfactory grade in any course may be required to repeat all or part of the academic year. When repeating any portion of the academic year, the student must earn a satisfactory grade in each course or be subject to dismissal from the program.

Dismissal – Dismissal from the program may be recommended if a student receives an unsatisfactory grade(s) in:

- One or more courses in one semester,
- A course being repeated,
- A course being remediated,

- Any course taken while repeating any portion of the academic year, or
- Any course taken while on probation

Dismissal may also be recommended if a student receives an unsatisfactory or failing grade in professionalism.

Appeal Procedures

1. A student may appeal an Academic Performance Committee decision that recommends: a) remediation, b) repetition of the year or c) academic dismissal. The student must submit written notification of her/his desire to appeal to the dean's office. This written request must be received by the dean's office within five days following the student's receipt of the written notification of the Academic Performance Committee's recommendation.

2. The dean will consult with appropriate individuals and render a decision to uphold or overturn the Academic Performance Committee decision. The student will receive written notification of the dean's decision. The dean's decisions are final.

Student appeals and grievances are handled through established policies and procedures for the School of Dentistry, outlined in the Academic Grievance Policies (http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/grievances/) section of the Catalog.

Grades

The standing of students in their work is expressed by the following grades:

A = Excellent

B = Above Average

C = Average

F = Failure

P = Pass

W = Withdraw

Grades in courses in which performance is graded an S (Satisfactory) or U (Unsatisfactory) are not used in computing grades point average.

A = 4 points

B = 3 points

C = 2 points

F = 0 points

The symbol I (incomplete) may be recorded for a student who has not completed course assignments at the conclusion of the course.

Final Grade for Course Remediation/Repetition

A grade of "C" is the highest letter grade that can be achieved in the remediation of a course. Following remediation of a course, the grade assigned will be the grade ("C", "F" or Pass) achieved by the student as set forth in the academic standards of the remediation of the course.

Following repetition of a course during repetition of an academic year in its entirety, the grade assigned will be the grade achieved by the student as set forth in the academic standards of the course.

All grades achieved by a student in a course (i.e., original, remediation, repetition) will appear on the official transcript, but only the most recent grade achieved will be used in calculating the grade point averages.

Grades in Clinical Rotation and Practicums

Clinical rotations and practicums may be graded S (satisfactory) or U (unsatisfactory), or may be assigned a letter grade, depending on the department policy.

A grade of S or other designations of an acceptance grade is assigned if the student successfully satisfies the criteria for clinical courses. Failure to successfully satisfy the course criteria may result in an I (incomplete) or a U (unsatisfactory) or a letter grade considered unsatisfactory based on departmental policy.

Criteria and time frame for removal of an "I" or U or other unsatisfactory grade in clinical courses are determined based on clinical documentation and consultation with the Clinical Coordinator/Clinical Instructor. An "I" or U or other unsatisfactory grade may require that the student complete an additional affiliation or other remediation that could extend the professional curriculum beyond the expected graduation date. More than one unsatisfactory grade is not allowed within the total clinical course sequence.

Incomplete

Incomplete grades should not be confused with failing grades of "F," in which a student failed to complete requirements without proper notice to the instructor. The assignment of an "I" grade indicates that the student failed to complete the requirements for the course due to unexpected and extenuating circumstances, such as illness, family emergency, or other non-academic and urgent matters. A grade of Incomplete "I" is not acceptable as a temporizing measure in situations of substandard academic performance. The incomplete work must be completed by the designated date specified by the faculty but no later than one year after issuing the "I" grade. When the course is completed, the qualitative grade issued by the instructor will be submitted to the Office of the University Registrar using a Change of Grade Form. If the coursework is not satisfactorily completed within the designated time, the "I" grade will be changed to an "F" grade.

Academic Grievance Policies

Due Process Grade Assignment Disagreement

A student wishing to appeal the assignment of a grade must submit her/his grievance to the course director within seven (7) days of the grade assignment. The appeal mechanism for challenging a grade is limited to: (1) possible clerical errors in calculating or recording a grade, or (2) allegation of mistakes or unfairness in application of the published academic standards in the assignment of a grade. It is the responsibility of the student to substantiate her/his assertion that an incorrect grade has been assigned.

If the student's concerns are not resolved after a meeting with the course director, the student may submit a written appeal to the division director. The written appeal must be made within seven days of the student's meeting with the course director and must contain information to substantiate the assertion that an incorrect grade has been assigned.

If the disagreement is not resolved at the division level, the student may submit a written appeal to the Department Chair within seven days of the division director's decision. The written appeal must be made within seven days of the student's meeting with the division director and must

contain information to substantiate the assertion that an incorrect grade has been assigned.

If the disagreement is not resolved at the departmental level, the student may submit a written appeal to the dean of the School of Dentistry within seven days of the departmental decision. If the dean agrees to review the matter, he/she will review only that the appeal process was conducted appropriately. This School of Dentistry policy supersedes any other grievance policies, and decisions made in this process are final.

Dropping a Course

There is a six course drop limit established by the Texas Senate (SB 1231). This legislation is applicable to all Texas public colleges and universities.

Withdrawal from a Course

Withdrawal refers to the procedure by which students voluntarily remove themselves from courses in which they are enrolled. Each course in the curriculum is built and dependent upon a foundation established in a prior course. To withdraw from a course, a student should seek counseling from the course director and the program director. In addition, the student must make an appointment with the program director to discuss the decision, explore options, and make necessary changes to the degree plan when withdrawing from any course. The student must have an official withdrawal form signed by the course director and program director after the form has been provided and signed by the appropriate associate dean.

If a student withdraws from school or drops a course before the first examination/graded assignment, a grade of W will be recorded.

Leave of Absence

Students in good academic standing seeking an extended leave of absence due to extenuating physical or personal reasons must submit a written request to the dean. The request should include reasons, duration and plans for resuming dental studies. The dean will consider such requests on their individual merit.

Generally, a leave of absence shall not exceed one academic year. Any additional leaves of absence must be reviewed and recommended by the Academic Performance Committee and approved by the dean. The student must notify the dean's office and program director of their intentions to re-enroll by a date determined by the Associate Dean for Academic, Faculty and Student Affairs and the Dental Hygiene Program Director prior to the next academic year. Any additional leaves of absence must be reviewed and recommended by the Academic Performance Committee and approved by the dean.

Upon approval of the leave of absence, the student must request and complete a Student Clearance Form which is available in My Student Center under Registrar eForms.

Requests to Change Schedule of Examinations

The official dates and times of all examinations are published in the final class schedules (http://uthscsa.edu/fsprec/schedules.asp) after consultation with course directors and representatives of all classes. Students or the course director may initiate requests for changes in the schedule of examinations. Requests should be submitted to the Office of the Associate Dean for Academic Affairs/Dental Hygiene Division Director.

A request to move an examination to a later date must be submitted at least two weeks prior to the original date of the examination. A request to move an examination to an earlier date must be submitted at least two weeks prior to the proposed date of the examination.

All requests for changes to the examination schedule published in the final class schedule must be accompanied by:

1. A written reason for the move that must be compelling and academically sound.
2. A written statement from the Course Director stating he/she is in agreement with the change.
3. The results (number of yes/no votes) of a secret ballot taken from all members of the class.

The Associate Dean for Academic Affairs/Dental Hygiene Division Director will review the request and can approve it if the following requirements are met:

1. The request has been submitted within the guidelines.
2. The reason for the move is valid.
3. The Course Director is in agreement with the move.
4. No member of the class present and voting opposes moving the examination to an earlier date.
5. An appropriate classroom is available at the proposed time.

Class Attendance

Students are expected to attend and actively participate in all regularly scheduled classes, laboratories, and clinical periods. The policy regarding attendance and the consequences for failure to comply are the prerogative of the course director and the department responsible for that portion of the curriculum, and this information will be provided in the course syllabus at the beginning of each course. The student is responsible for arranging with the faculty to make up any missed work.

Absences may be considered sufficient cause for issuing failing grades in courses requiring attendance.

Reporting Absenteeism

Attendance is mandatory at all clinic, lab, and lecture classes.Attending all scheduled class sessions will allow the student to clarify and apply new concepts and terminology and benefit from class discussion. If a student is ill and can not attend class, they must report their absence immediately. As a courtesy to the course director, absences will be reported online (https://fmcgi.uthscsa.edu/absence/) by 7:30 a.m. the day of the absence. The dental hygiene office will maintain a roster of absentees and the reported reasons for absence.

In cases of absence during an assigned rotation or clinic, all students are responsible for contacting assigned rotation directors and course directors immediately.

Students who will be absent from any examination must notify course directors directly and complete an online student absence report.

Students are responsible for contacting course directors upon their return to school to make up missed work.

Dress Code and Grooming

An excellent dental education is dependent on the number of patients and the diverse patient needs that allow students to provide a broad scope of oral health care to a large number of patients. As this is a totally voluntary system on the patient side, it is incumbent upon the School of Dentistry to provide an environment that gives patients the confidence to come to this institution knowing they will be treated in a professional manner, by professionals, and in a safe environment. To achieve this goal, first impressions are important; therefore, all students in the School of Dentistry need to look professional in dress and grooming since patient contact can occur in many areas of the building. When students have direct patient contact in the clinics, additional issues require students to pay particular attention to clinic attire and grooming because they affect patient safety as well as their own. The dress code policy is published on the School of Dentistry Intranet site, http://dserver.uthscsa.edu/intranetdocs/UTDentistry_Dress_Code.html. Any additional dress code/grooming requirements will be addressed by the program director and/or course director.

Student Concerns

Various mechanisms are available at all levels for student input regarding their concerns. Individuals and groups who respond to these concerns include course directors, advisors, associate dean for academic affairs, and the associate dean for student affairs. Procedures for grievances can be found in the General Section of the catalog.

Once a month, the Dean of the School of Dentistry and Assistant Dean for Students meet with the presidents and vice presidents of all classes. Student liaisons for each course will meet with the respective course director as needed. Town hall meetings are held quarterly for each class. Students can voice concerns through the Voice-Your-Opinion link online.

National Board Dental Hygiene Examination

Senior dental hygiene students will be eligible to take the written national board the spring semester of their senior year provided they successfully complete the fall senior courses. In order to be considered for graduation, senior dental hygiene students are expected to take the board exam before their last class day in the spring semester as indicated in the academic calendar. If an extenuating circumstance prevents a student from taking the exam prior to the last class day of the spring semester, the Academic Performance Committee will meet to recommend a course of action.

If a student is unsuccessful on the board exam on the first attempt, the National Board policy requires a student to wait 90 days before attempting the exam again. Additionally, candidates must pass the examination within five years of their first attempt or within five examination attempts, whichever comes first. Subsequent to the fifth year or fifth attempt, candidates may test once every 12 months after their most recent examination attempt.

National Clinical Dental Hygiene Examination

Senior dental hygiene students in good standing will be eligible to take the clinical dental hygiene examination in the spring semester of their senior year provided they successfully complete the fall senior courses.

Dean's List

Current students in the dental hygiene bachelor's degree program with a cumulative grade point average (GPA) of 3.75 or greater for an academic semester may qualify for inclusion on the dean's list if they do not have an incomplete (I) grade for that academic semester.

Honors Program

Graduation with Distinction in Dental Education

The School of Dentistry contributes to the national effort within the dental education community to increase students' awareness of the academic arm of the profession. The school also works to enhance awareness of career options in teaching, scholarship and academic administration. All of these efforts are extended to dental students through the Teaching Honors Program (THP). This program provides The The UT San Antonio Health Science Center School of Dentistry students with teaching and educational planning experiences and provides a way for them to learn about academic careers.

Gaining the Distinction in Dental Education recognition is reserved for students who complete additional enrichment coursework that immerses them in a world of teaching and academics. Students will have discussed career choices with faculty, participated in fundamental teaching practices, taught in classroom, lab, and clinical settings, and participated in academic fellowship opportunities.

Description of the program

In order for a dental or dental hygiene student to graduate with the *Distinction in Dental Education*, he or she must be in good academic standing to complete selective courses unique to the Dental Education Teaching Honors Program. Throughout the dental and dental hygiene program, students progressively participate in faculty mentoring activities and acquire and apply teaching fundamentals needed for teaching in dental education. Senior students in both dental and dental hygiene programs participate in peer learning projects, such as "faculty for the day," through which they use their previous knowledge and acquired skills to experience a day as an academician. The director(s) for the School of Dentistry's Teaching Honors Program monitors all students who wish to have the "*Distinction in Dental Education*" appear on their diploma and transcript. School officials will need to validate students' supporting materials to verify the completion of the activities and goals of the program. This includes verification of the core and enrichment selectives. Copies of all scholarly materials produced by student (i.e., abstracts, posters, manuscripts, evaluation forms, submission of assignments in the learning management system, or verified by faculty/mentor) shall be submitted to course director(s). Upon completion of all activities, the course director(s) will review all projects, and presentations for completion, and determine if graduating students have achieved "*Distinction in Dental Education.*" This list will be shared with the Office of Academic Affairs in the School of Dentistry. The course director(s) will also compile these names and share them with the Office of the University Registrar for conferring.

Student Mistreatment

Mistreatment of students will not be tolerated. Mistreatment, intentional or unintentional, occurs when behavior shows disrespect for the dignity of others and interferes with the learning process. Student mistreatment may take many forms, all of which impact student performance. For more information, reference the Student Mistreatment policy (http://catalog.uthscsa.edu/generalinformation/institutionalpolicies/studentmistreatmentpolicy/).

School of Dentistry Social Media Guidelines

The purpose of this policy is to promote the safety and privacy of students, faculty, staff, patients, and visitors. Students, faculty members and staff must comply with the Health Insurance Portability and Accountability Act (HIPAA) and the Family Educational Rights and Privacy Act (FERPA) when using social media.

No student, staff or faculty may post, release, or otherwise disclose photos, identifiable case descriptions, images, or records related to the educational, clinical, or research activities of the school via social networking sites, non-educational blogs, message boards, Internet websites, personal e-mail, or anything other than standard professional means of query and/or dissemination.

No student, staff or faculty may post statements about the School of Dentistry community (employees, staff, students, and visitors) that are defamatory, obscene, threatening or harassing.

Failure to comply with this policy may be a violation of legal, professional, and/or ethical obligations. Violation will result in disciplinary action by the School of Dentistry up to and including reduction in professional grades, loss of clinical or pre-clinical privileges, additional HIPAA training, probation, termination of employment and/or dismissal from the School of Dentistry.

The School of Dentistry (https://www.uthscsa.edu/academics/dental/) assumes no duty to monitor Internet activity but reserves the right to take appropriate action in accordance with this policy.

Netiquette

The School of Dentistry has developed Netiquette Guidelines which align with the social media policy.

- **Think twice before posting-** Privacy does not exist in the world of social media. Before each posting, students are encouraged to consider how the item may reflect both on the author of the post and the School of Dentistry. Something that would not be said in person should not be posted in social media. Imagine your posting on the front page of the local newspaper.
- **Strive for accuracy-** Students should be certain that anything they post on a social media site is factual. The posting should be reviewed for grammatical and spelling errors, especially when posting on behalf of the School of Dentistry.
- **Be respectful-** Posted responses and comments should be respectful and considerate.
- **Photography-** Students should be aware that photographs posted on social media sites can easily be accessed by visitors to those sites. Posting unauthorized photos on a website or social media network site can result in disciplinary action.
- **Rules-** It is important to review the terms of service, privacy settings, and other policies of the social media network before use.

UT Health San Antonio Social Media Policy

1. Familiarize yourself with existing UT San Antonio Health Science Center's employment policies and disclaimers. All communication professionals should follow all rules and policies.
2. Do not engage in any communication or activity that is prohibited under federal, state or local laws. These laws include, but are not limited to, the Health Insurance Portability and Accountability Act (HIPAA), copyright, libel and false advertising laws.
3. Do not discuss or disclose any confidential or proprietary information of UT San Antonio Health Science Center, or any non-public information on social media.
4. Acknowledge and correct mistakes promptly. Be professional, use good judgment and be accurate and honest in your communications; errors, omissions or unprofessional language or behavior reflect poorly on UT San Antonio Health Science Center and may result in liability. Link directly to online references and original source materials, when possible.
5. The The university's marketing, communications and media team reserves the right to edit, modify, remove or delete any content or other information or materials on official UT San Antonio Health Science Center social media profiles, groups or pages. UT San Antonio Health Science Center also reserves the right to delete or suspend official UT Health San Antonio accounts if violations are committed.
6. Social media platforms are owned by third parties, which have their own policies and rules for operating accounts on the site and, often, specific rules for brands and businesses. It is important that account managers understand the rules or guidelines they agree to abide by in operating any account. Below are links to the brand pages of social media channels, to understand best practices and proper uses of their channel and brand assets.
   a. Facebook Brand Resource Center (https://www.facebook.com/UTHealthSA/)
   b. Twitter Brand Guidelines (https://twitter.com/uthealthsa/)
   c. Instagram Brand Resources (https://www.instagram.com/uthealthsa/)
   d. YouTube Brand Guidelines (https://www.youtube.com/uthscsa/)
   e. Google+ Style Guide
   f. LinkedIn Brand Guidelines (https://www.linkedin.com/school/uthealthsa/)
   g. Snapchat Brand Guidelines
7. UT San Antonio Health Science Center reserves the right to revise this policy at any time.

Courses

DENH 3004. Oral Anatomy. 2 Credit Hours.
The oral anatomy course is designed to provide the dental hygiene student with instruction in dental terminology and the anatomy of the teeth. Emphasis is placed on clinical considerations of oral anatomy relevant to dental hygiene practice. Includes one (1) lecture hour and three (3) laboratory hours per week. Course fees: Materials fee $50 Prerequisites: Must meet the basic requirements for admission to the Dental Hygiene program.

DENH 3006. Preclinical Dental Hygiene. 2 Credit Hours.
This course is an introduction to instrumentation techniques and basic clinical procedures. The course offers an opportunity to develop competency in fundamental clinical skills necessary to engage in patient treatment. Includes eight (8) clinical hours per week. Students must meet the basic requirements for admission to the Dental Hygiene program. Course fees: Lab fee $10 Corequisites: DENH 3023.

DENH 3007. Preclinical Teaching Practicum. 4 Credit Hours.
This course will provide students with an introduction to concepts of preclinical instruction. Instruction will include seminar and laboratory application sessions emphasizing theories of psychomotor skill development; diagnosis of performance problems; provision of feedback; identification of cognitive, psychomotor, and affective behaviors; and faculty calibration. This course requires formal agreement with a participating dental hygiene program prior to the beginning of class. (The didactic portion of this course is delivered through Canvas, Learning Management System) Course Fees: Practicum fee $10 per hour.

DENH 3015. Public Health Practicum. 4 Credit Hours.
This course is an opportunity to gain experience with oral health care delivery or promotion in a public health area. The course will include planning and execution of a project in the student's individual area of interest. One full day per week requires the Bachelor of Science Completion student to work in a public health setting in San Antonio or in their community. A formal agreement must be established with the participating public health clinic prior to the beginning of class. Course Fees: Lab fee $10 per hour.

DENH 3017. Clinical Teaching Practicum. 4 Credit Hours.
This course is an introduction to clinical instruction for the Bachelor of Science Degree Completion Student. Students will have the opportunity to gain experience in identifying and correcting performance problems relating to direct patient care. Instruction will include seminar and a clinical application session emphasizing the instructor's role as a facilitator, role model and evaluator. (Pre clinic teaching practicum is required as a pre-requisite for this course, exceptions will be considered for DH educators. It is possible for students not living in San Antonio to complete this course with another Dental Hygiene program) (Requires formal agreement with the participating DH program prior to classes beginning). Course Fees: Practicum fee $10 per hour.

DENH 3018. Dental Radiography. 3 Credit Hours.
This course introduces the scientific principles of oral radiography, including essential terminology, the production and absorption of radiation, X-ray unit function, digital imaging systems, processing radiographs, quality assurance, and radiation biology. This course emphasizes radiation health and protection principles for patients and practitioners. Techniques of intraoral and extraoral radiography and exposing, processing, mounting, and critical evaluation of dental radiographs will be taught. Laboratory experience and clinical applications are emphasized. Includes two lecture hours and three laboratory hours per week. Students must meet the basic requirements for admission to the Dental Hygiene program. Course fees: Materials fee $50.

DENH 3019. Preventive Dental Hygiene Theory. 3 Credit Hours.
This course is an introduction to concepts used in oral health instruction and patient education. Included in the course is the etiology of dental disease, plaque control, oral physiotherapy, methodology of oral health instruction, nutritional counseling, and patient motivational techniques. This course is designed to give the student an opportunity to develop skills which are necessary for teaching patients how to achieve optimal oral health and to offer experience in communication skills for interpersonal, professional and patient education interaction. The course will also provide an overview of current counseling recommendations to prevent dental and periodontal disease. Includes two (2) lecture hours and three (3) hours of lab per week. Students must meet the basic requirements for admission to the Dental Hygiene program.

DENH 3020. Clinic 1 Seminar. 2 Credit Hours.
This course presents current theoretical perspectives in which to interpret and expand dental hygiene care. Topics included within the course are cultural diversity, instrument sharpening, communication skills, ultrasonic scalers, and air abrasive polishers. Other topics related to beginning clinical practice are also incorporated. Includes two (2) lecture hours per week. Corequisites: DENH 3021, DENH 3020 Prerequisites: DENH 3023.

DENH 3021. Clinic 1 Practicum. 3 Credit Hours.
This course is a clinical experience in the practical application of patient education and oral prophylaxis techniques. Emphasis will be placed on comprehensive care for the simple patient classifications, including patient assessment, dental hygiene treatment planning, patient education, instrumentation, preventive therapies, and radiographic skills. Includes twelve (12) clinic hours per week. Course fees: Practicum fee $10 per hour Lab fee $30. Corequisites: DENH 3020 Prerequisites: DENH 3006, DENH 3018, DENH 3020.

DENH 3022. Dental Materials. 3 Credit Hours.
This course is a study of the materials and adjunct materials used in restorative dentistry and in various other specialty areas of dentistry to fabricate dental appliances and tooth restorations. This course includes lecture and laboratory components designed to help students develop an understanding of the composition, properties, structure, and manipulative variables of dental materials historically used in dentistry as well as the most current materials available. Emphasis is placed on practical, clinical applications of materials; the dental hygienist's role in educating patients regarding these materials; and the techniques for placement of the materials in the oral cavity. Also included is a discussion of the various categories of dental specialties and the materials used by each specialty. Includes two (2) lecture hours and three (3) lab hours per week. Course fees: Materials fee $50 Prerequisites: Must meet the basic requirements for admission to the Dental Hygiene program.

DENH 3023. Intro To Clinical Theory. 3 Credit Hours.
This course is an introduction to the theory associated with clinical procedures and patient care. Topics include prevention of disease transmission in the dental setting and patient assessment skills such as vital signs, health history, and oral inspection. An introduction to ethics related to the dental setting is incorporated. Includes three (3) lecture hours per week. Corequisites: DENH 3006, DENH 3023 Prerequisites: Must meet the basic requirements for admission to the Dental Hygiene program.

DENH 3033. Structures Of The Head And Neck. 2 Credit Hours.
The purpose of this course is to give dental hygiene students an appreciation of the anatomical structure of the head and neck region of the human body, which will serve as a foundation of anatomical knowledge that is essential for patient care and useful in understanding function, local pain, anesthesia, and oral pathology. Includes one (1) lecture hour and three (3) lab hours per week. Prerequisites: Must meet the basic requirements for admission to the Dental Hygiene program.

DENH 3034. Periodontics. 3 Credit Hours.
This course presents an in-depth study of the basics of periodontics. This course will include, but is not limited to, the following: the tissues of the periodontium, clinical assessment of the periodontium, classifications of periodontal diseases, identification of etiologic factors, the relationship of the immune response to the inflammatory process and pathogenesis of periodontal diseases, clinical indices used in periodontics, and systemic factors involved in periodontal diseases. Emphasis is placed on the clinical application of current theory. Includes three (3) lecture hours. Students must meet the basic requirements for admission to the Dental Hygiene program. Corequisites: DENH 3021.

DENH 3035. Pharmacotherapeutics. 4 Credit Hours.
This course integrates elements of dental hygiene care as they relate to the treatment planning for special patients, understanding pharmacological agents used in dentistry, and management of medical emergencies in the dental office to include: concepts and practice related to the prevention, recognition, and management of medical emergencies that occur in the dental office with specific emphasis on systemic disease processes; understanding drug groups, their mechanism of action, dosage, indication of use, adverse effects, drug interactions, oral side effects in the treatment of human disease process, and its application in the dental hygiene clinical setting. Includes three (3) lecture hours and three (3) laboratory hours per week. Course Fees: Materials fee $ 50 Prerequisites: Must meet the basic requirements for admission to the Dental Hygiene program.

DENH 3040. Histology/Embryology. 2 Credit Hours.
This course continues the study of the oral cavity from a histological perspective. It includes the development and microscopic organization of the four basic body tissues in the formation of the oral cavity (i.e., development of the face, oral cavity, and teeth). This information is basic to the understanding of the histological changes arising from pathological alterations in the oral cavity. Includes two (2) lecture hours per week. Prerequisites: DENH 3033.

DENH 4007. Clinical Administration Practicum. 4 Credit Hours.
The purpose of this course is to present Bachelor of Science Degree Completion students with an opportunity to hone administrative skills in a clinical environment. There will be interactions with second-year dental hygiene students as well as with the second-year clinic coordinator. The course includes conference and clinical application sessions to expand and refine teaching and evaluation skills and clinic administration issues including outcomes assessment, quality assurance, and information technology. This course requires a formal agreement with a participating dental hygiene program at least six weeks to the beginning of class. To begin the process, contact the UTHSCSA program director. Completion of DENH 3007 Pre-Clinic Teaching Practicum is required or previous clinical teaching experience. The course instructor may waive the prerequisites course requirement based on previous clinical teaching experience. Course Fees: Practicum fee $10.00 per hour. Open for Cross Enrollment on Space Available Basis.

DENH 4012. Oral Pathology. 3 Credit Hours.
This course introduces the principles of human disease including pathogenesis, clinical appearance, and treatment. In certain instances, microscopic features will be discussed if they enhance the understanding of the disease process. A portion of the course is devoted to basic principles of general pathology. The majority of the course is an overview of oral pathology with an emphasis on the dental hygienist's role in the recognition of oral disease. Includes three (3) lecture hours per week. Prerequisites: DENH 3033, DENH 3040.

DENH 4015. Clinic 3 Practicum. 3 Credit Hours.
A continuation of DENH 4022 Clinic 2, this course provides students the opportunity to incorporate all learning in providing comprehensive dental hygiene care for patients with simple to complex needs with emphasis on more complex cases, gain experience in the practical application of dental hygiene diagnosis, utilize preventive techniques in patient education skills, practice oral prophylaxis techniques including advanced scaling, implement various management techniques for the difficult patient, and improve efficiency and effectiveness in patient care. Includes twelve (12) clinic hours per week. Course fees: Practicum fee $10 Lab fee $30 Prerequisites: DENH 4022 Corequisites: DENH 4016.

DENH 4016. Clinic 3 Seminar. 2 Credit Hours.
This course will provide the dental hygiene student with current theoretical perspectives in which to interpret and expand dental hygiene care. Advanced and adjunctive procedures for clients of special populations are presented in seminar format and build upon the basic concepts and skills learned during Preclinic, Clinic I, and Clinic II. Knowledge gained will be applied in clinical practice through new skill acquisition and expanded client care options. Professional ethical codes and major contemporary health issues facing the dental hygienist will be presented as well as legal aspects of health care and state Dental Practice Act requirements. Includes two (2) lecture hours per week. Prerequisites: DENH 4020. Clinic 2 Seminar Corequisites: DENH 4015.

DENH 4017. Community Oral Health Practicum 2. 2 Credit Hours.
This course is the continuation of the fall Community Oral Health Course Practicum 1 in which students apply public health/health education principles through implementing individual community oral health education projects, and through participating in service-learning activities outside the Dental School setting. Opportunities include rotations in public schools and in public health dental clinics. Emphasis is placed on students interacting with a variety of patients, including the physically and mentally challenged, indigent populations, and geriatric groups. Students gain experience in health education, as well as additional experience in providing clinical preventive services out in the community. Includes eight (8) clinic hours per week in off-campus rotations or community projects. Course fees: Practicum fee $10 per hour Prerequisites: DENH 4021.

DENH 4018. Introduction to Research. 3 Credit Hours.
This course is designed to provide the student with an opportunity to expand research knowledge in two dimensions; principles and applications. The course will consist of an in depth study of the research process, its contexts, design, data collection and communication techniques to provide learners with the analytical skills to interpret professional and scientific literature. Topics include: basic research terminology, critical evaluation of research design, methodology and sampling techniques, basic statistical calculations, data collection, and the application of evidenced based research to dental hygiene best practice. The course will also develop reading and writing skills within the context of face-to-face and/or virtual environments. Prerequisites: DENH 3020, DENH 3021, DENH 3034, DENH 3035, DENH 3040.

DENH 4019. Practice Management. 2 Credit Hours.
This course presents the fundamentals of dental practice for the transition from dental hygiene student to practitioner, including how to apply and maintain state licensure, state board regulations and procedures necessary to be in compliance as a clinician, how to manage production, interpersonal relationships among members of the dental health team, resumé writing and interviewing skills, retirement and future planning, and setting personal and professional goals. Emphasis will be on current issues in dental hygiene practice and on practical approaches to preparing students to enter the private practice setting as a member of the oral health team. Includes two (2) lecture hours per week. Prerequisites: DENH 3021, DENH 4021, DENH 4022, DENH 4026.

DENH 4020. Clinic 2 Seminar. 2 Credit Hours.
This course is designed to provide the dental hygiene student with current theoretical perspectives in which to interpret and expand dental hygiene care. Advanced and specialized adjunctive procedures are presented in seminar format and build upon the basic concepts and skills learned during Preclinic and Clinic 1. Knowledge gained will be applied in clinical practice through new skill acquisition and expanded client care options. Case studies will be presented related to ethical issues encountered in clinical settings. Includes two (2) lecture hours per week. This course will include the educational requirements of at least 20 hours of didactic instruction from a CODA- accredited dental hygiene program, qualifying the learner for certification as determined by the TSBDE Rule 115.10 for local infiltration anesthetic (LIA) for dental hygienists. This course must be taken concurrently with DENH 4022. Corequisites: DENH 4022 Prerequisites: DENH 3020, DENH 3035 and DENH 3034.

DENH 4021. Community Oral Health Practicum 1. 4 Credit Hours.
Community Oral Health Practicum 1, offered in the fall semester, is the prerequisite course to Community Oral Health Practicum II offered in the spring semester. The purpose of this course is to instill in students the important role of the dental hygienist in the community, and to provide an understanding of the relationship of community oral health to public health. Students will have an opportunity to learn how to promote oral health and prevent oral disease in the community. Students will have an opportunity to learn concepts such as assessment, planning, implementation, and evaluation phases of community-based programs. During this course, the students will plan a community oral health education program that is implemented and evaluated during Community Oral Health Practicum II. Cultural differences, socioeconomic factors and barriers to health care are discussed in relation to developing preventive programs. In addition, students will have an opportunity to learn about federal and state public health programs and current public health issues. Community oral health programs for vulnerable populations such as indigent, geriatric, and special-needs patients are included. Also, students will have an opportunity to participate in community service learning activities that will allow them to provide clinical and educational services to underserved populations. The course includes three lecture hours and four clinical hours per week. Course fees: Practicum fee $10 per hour Prerequisites: DENH 3021.

DENH 4022. Clinic 2 Practicum. 3 Credit Hours.
A continuation of DENH 3021 Clinic 1, this course provides further opportunity to incorporate all learning in providing comprehensive dental hygiene care for patients with simple to complex needs with an emphasis on moderate cases. In addition, this course provides an opportunity for the student to gain experience in the practical application of dental hygiene diagnosis, utilize preventive techniques in patient education skills, practice oral prophylaxis techniques including advanced scaling, and implement various management techniques for the difficult patient. Includes twelve (12) clinic hours per week. Course Fees: Practicum fee $10 per hour Lab fee: $30. Prerequisites: DENH 3021, DENH 3022, DENH 3034, DENH 3035 Corequisites: DENH 4020.

DENH 4023. Special Topics. 1-3 Credit Hours.
Students will be given an opportunity to gain an in-depth understanding of selected topics through seminars, conferences, projects, or other appropriate learning methods.

DENH 4024. Concepts And Practice In Teaching. 3 Credit Hours.
This course offered to Bachelor of Science Degree Completion students, introduces basic principles and techniques used in health care education. Topics include: issues and trends in professional education, principles of adult education, learning styles and motivation, case-based learning, competency-based education, patient and community education, clinical and laboratory instruction, course design, development of lesson plans and learning activities, guidelines for presentation skills, evaluating student performance, and using educational media and software. Open for Cross Enrollment on Space Available Basis.

DENH 4025. Advanced Periodontics. 3 Credit Hours.
This course builds on the knowledge base presented in DENH 3034 Periodontics, and gives students the opportunity to expand their understanding of treatment, prevention, and diagnosis of periodontal disease. This course examines, but is not limited to, the following topics: the role of the hygienist in non-surgical soft-tissue management, exposure to surgical techniques, wound healing, new technology in diagnostic tools, and products used in treatment or home care. This course further emphasizes the integration of theory into the practice of clinical dental hygiene. Includes three (3) lecture hours per week. Prerequisites: DENH 3034 and completion of first year dental hygiene coursework.

DENH 4026. Healthcare Ethics. 1 Credit Hour.
This course is designed to provide students with an overview of professional and ethical issues facing dental hygiene professionals. Topics to be explored include the beliefs, fundamental principles, core values and standards of professional responsibility set forth in the ADHA Code of Ethics for Dental Hygienists. Ethical dilemmas will be discussed and decision making models will be introduced and used to assist students in solving these dilemmas. Additionally, team-based learning activities will serve to support student learning. Prerequisites: DENH 3020, DENH 3021, DENH 3034, DENH 3035, DENH 3040.

DENH 4027. The Summer Institute In Aging. 3 Credit Hours.
This course is an intensive interdisciplinary service-learning study of the assessment, health promotion, disease prevention, and treatment of the aging person. The course will examine physical, mental, emotional, legal, cultural, and social aspects of gerontology. The course is also designed to encourage the learner to reflect on the impact of the elderly on society, the impact to the dental hygiene profession, and the learner on a personal level.

DENH 4028. Public Health Policy. 3 Credit Hours.
This course will provide the learner with a history and overview of American public health policy. Included in the course is the evolution of health policy in the United States. Various resources will be explored to gain understanding of the process for policy development. By the end of the term the learner will develop a mock public policy analysis, about a topic of their choice that will include elements discussed in the course. When appropriate this course will utilize new and emerging public health policies to supplement course material. Admission to the Bachelor of Science Degree Completion Program is required.

DENH 4030. Introduction to Professional Writing. 1 Credit Hour.
This course was designed to help the online bachelor completion student develop concepts of professional writing skills utilizing state of the art communication resources. This is a required course for BS completion students to be taken in their first semester of the program.

DENH 4045. Academic Dental Hygiene Career Mentorship. 0 Credit Hours.
This course provides dental hygiene students with an opportunity to explore first-hand the academic arm of the dental hygiene profession by learning about faculty members' pathways into academic teaching and eliciting faculty perspectives about working in dental hygiene schools.

DENH 4050. Dental Hygiene Classroom Teaching Seminar. 0 Credit Hours.
The course goal is to provide senior dental hygiene students with opportunities to function as a teacher by planning and delivering instruction followed by: self assessment, feedback from the students who received the instruction, and feedback from the THP Director and/or faculty members who observed the students' teaching activities. The focus of this course is classroom teaching.

DENH 4091. Independent Study. 1-3 Credit Hours.
This course includes independent reading, research, discussion, project, and/or writing under the direction of a faculty member. The course may be repeated for credit. UTHSCSA graduates are limited to one Independent Study course; non-UTHSCSA grads are limited to two Independent study courses.

DENH 4103. Health Promotion. 3 Credit Hours.
This course provides the Bachelor of Science Degree Completion student a theoretical framework for defining health promotions and set the foundation for students to see potential for health promotions in their work. Topics in this course will use evidence-based practice to reflect health promotion theories, prevention, risk assessment, health education, and health policy. Additionally, interventions and strategies will be used to effectively evaluate the determinants of health and the outcomes of individuals, families, groups and communities. In addition this course will help learners understand the impact of media and delivery style for effective health messages.

DENH 4111. Current Issues In Dental Hygiene. 3 Credit Hours.
This course investigates trends influencing the practice of dental hygiene. The history and image of dental hygiene, career satisfaction, educational trends and access to care, independent practice and self-regulations are the issues addressed in this course. A closer look at the legal, political and ethical ramifications of these topic areas as they relate to the dental hygiene profession will be explored. Prerequisites: DENH 3021, DENH 4021, DENH 4022, DENH 4026.

DENH 4415. Advanced Public Health Practicum. 4 Credit Hours.
This course is a continuation of the Public Health Practicum and will provide the Bachelor of Science Degree Completion students with an opportunity to gain further experience with oral health care delivery projects, development of health promotion and prevention activities, or gain advanced skills in designing community-based and service learning programs. This course will include planning and execution of a project related to the student's individual area of interest. Course fees: Practicum fee $10 per hour.

DENH 4926. Peer Teaching Rotation. 0 Credit Hours.
This selective is limited to THP students pursuing the Distinction in Dental Education. The course goal is to provide senior dental hygiene students with opportunities to function as a clinical instructor (Faculty for the day) in the 1st Year Clinic I (DENH 3021) for junior dental hygiene students.

DENH 4927. Research in Dental Hygiene Education (RIDHE). 0 Credit Hours.
This selective is designed for students pursuing the Distinction in Dental Education who desire to acquire skills and experience in educational research beyond the core expectations of the THP. The course goals are to enhance the capacity of participants to:(1)design a research poster or study that explores educational issues and (2) present the research at a professional organization meeting such as SCADHA. THE RIDE course has 3 components: designing educational research, grant writing, and writing for publication. Students work in teams to plan and implement an educational research project during the course. During seminars on grant writing, participant teams develop and present a grant application to fund an educational development project and receive a critique. During seminars on writing for publication, participants complete writing exercises, critique a manuscript and write an abstract, which is presented to the class for peer feedback.

DENH 4928. Dental Spanish. 0 Credit Hours.
This 10 week/10 hour course is offered to dental students as a selective. It is designed for students who are interested in acquiring basic conversational skills in the Spanish language, with focus on Spanish terminology, phrases, and brief sentences used during dental patient care to describe treatment, understand and answer patient questions, explain dental equipment and understand patient's responses to medical and dental history questions. This course is not a Spanish language class and will focus mainly on teaching dental students how to interact with their Spanish-speaking patients in the clinic. Basic words, phrases and sentences used in everyday conversations in Spanish are also reviewed. This selective is conducted by Spanish-fluent dental students for their student peers who desire to enhance their ability to communicate with Spanish-speaking patients. Students in DENH 4928 complete pre and post-tests to measure their progress in recognizing basic Spanish terminology, phrases and brief/simple sentences that will be useful to know in the dental clinic. There is no required pass-level on the post-test; the test is for self-assessment purposes.

DENH 4929. Leadership in Interprofessional Service Learning. 0 Credit Hours.
This is an innovative interprofessional community service learning (CSL) course for medical, dental, nursing, and school of health profession students. The goal of this course is to promote social accountability among health professional students through the integration of meaningful service learning with the core competencies of interprofessional education. This course enables students from various health science professions to learn with, from, and about each other and each other's roles on a health care team as they examine social determinants of health and social justice issues while applying these principles in a structured service learning practicum.

DENH 5003. Current Issues In Dental Hygiene. 3 Credit Hours.
This course investigates trends influencing the practice of dental hygiene. The history and image of dental hygiene, career satisfaction, educational trends, and access to care, independent practice, and self-regulations are the issues addressed in this course. A closer look at the legal, political and ethical ramifications of these topic areas as they relate to the dental hygiene profession will be explored. Acceptance into the Master of Dental Hygiene Program is required to take this course.

DENH 5007. Clinical Administration Practicum. 4 Credit Hours.
The purpose of this course is to present the graduate student with an opportunity to hone administrative skills in a clinical environment. There will be interactions with second-year dental hygiene students as well as with the second-year clinic coordinator. The course includes web based interaction focusing on clinical application to expand and refine teaching and evaluation skills necessary for clinic administration. Specific topics include outcomes assessment, quality assurance, and information technology. Permission from the program director is required. The prerequisite requirement can be waived by the program director. Prerequisite: DENH 5050. Course Fees: Practicum fee $10 per hour.

DENH 5010. Teaching Internship. 3 Credit Hours.
This internship will provide graduate students with the opportunity to teach in various clinics, laboratories, and didactic courses to acquire experience in instructing undergraduate students in a variety of situations. The course is arranged on a contractual basis and tailored to meet the individual goals, needs, and interests of each graduate student, while keeping in mind background experiences. Supervision and evaluation of teaching performance are provided by the graduate faculty. Student must have prerequisite or approval by Program Director. Prerequisite: DENH 5050. Course Fees: Practicum fee $10 per hour.

DENH 5015. Public Health Practicum. 4 Credit Hours.
This course is an opportunity to gain experience with oral health care delivery or promotion in a public health area. The course will include planning and execution of a project in the student's individual area of interest .One full day per week requires the Master of Science student to work in a public health setting in San Antonio or in their community. A formal agreement must be established with the participating public health clinic prior to the beginning of class. Course Fees: Practicum fee $10 per hour.

DENH 5017. Clinical Teaching Practicum. 4 Credit Hours.
This course is an introduction to clinical instruction. The student will have the opportunity to gain experience in identifying and correcting performance problems relating to direct patient care. Instruction will include seminar and a clinical application session emphasizing the instructor's role as facilitator, role model, and evaluator. This course requires formal agreement with a participating dental hygiene program prior to the beginning of class. (The didactic portion of this course is delivered through CANVAS.) Students must have taken DENH 5050 before registering for this course or get a waiver by the Program Director. Course Fees: Practicum fee $10 per hour.

DENH 5022. Research Apprenticeship. 3 Credit Hours.
This course allows a graduate to review the literature and to design a research project under the direction of a faculty advisor that leads toward thesis research. Students are expected to design a research proposal that prepares them to collect and analyze data for their future thesis project. Prior to registering for this course requires approval from the advanced program director. This course must be completed in its entirety prior to enrolling in Thesis (DENH 6098). Successful completion of core studies for the Master of Science in Dental Hygiene program to include Educational Principles and Applications, Research Principles and Applications, Biostatistics, Research Ethics, and Professional Communication.

DENH 5024. Professional Communication. 3 Credit Hours.
This course is designed to help the student develop concepts of professional communication including verbal, visual, and writing skills using state-of-the-art communication resources. Within an interactive topic and computer laboratory format, the students is expected to produce a series of scientific writings, abstracts, annotated bibliographies, and a term paper/research report in the form of a review of the literature. Open for Cross Enrollment on Space Available Basis.

DENH 5025. Dental Hygienist Role in the Management of Elder Abuse. 3 Credit Hours.
This course will allow the learner to acquire the skills and knowledge to recognize the mistreatment of elders. First, the various types of elder abuse will be identified followed by a discussion of the prevalence of abuse. Next, case study application will direct the learner in recognizing the risk factors and signs of elder abuse. The legal requirement and major ethical dimensions for the dental hygienist to report abuse will be explored, and an explanation of required abuse documentation will be provided. Finally, techniques for the dental hygienist may work effectively with law enforcement will conclude this course.

DENH 5026. Research Principles & Application. 3 Credit Hours.
This course is designed to provide the student with an opportunity to expand research knowledge. The course will consist of an in depth study of the research process, its contexts, design, data collection and communication techniques. All students are expected to complete assigned readings and participate in on-line discussions and activities that will complement principles covered in assignments. Students must be accepted into the Master of Science in Dental Hygiene program to take this course.

DENH 5027. The Summer Institute In Aging. 3 Credit Hours.
This course is an intensive interdisciplinary service-learning study of the assessment, health promotion, disease prevention, and treatment of the aging person. The course will examine physical, mental, emotional, legal, cultural, and social aspects of gerontology. The course is also designed to encourage the learner to reflect on the impact of the elderly on society, the impact to the dental hygiene profession, and the learner on a personal level. Acceptance into the Master of Science in Dental Hygiene Program is required to take this course.

DENH 5028. Public Health Policy. 3 Credit Hours.
This course will provide the learner with and overview of American Public health policy, and the changes in policy as a result of international and national initiatives. Included in the course is the evolution of oral health public policy in the United States. Many resources will be explored to gain understanding of the process of policy development. The student will locate current event articles that discuss topics in the reading. Capstone projects vary from researching and submitting a public policy paper or white paper on a topic pertinent to the coursework. Acceptance into the Master of Science in Dental Hygiene Program is required before taking this course.

DENH 5036. Health Promotion. 3 Credit Hours.
This course is designed to provide learners a theoretical framework for defining health promotion and set the foundation for students to see potential for health promotion in their work. Topics in this course will use evidence based practice to reflect health promotion theories, prevention, risk assessment, health education, and health policy. Additionally, interventions and strategies will be used to effectively evaluate the determinants of health and the outcomes of individuals, families, groups and communities. Student must be accepted into the Master of Science in Dental Hygiene Program to take this course.

DENH 5050. Educational Principles and Application. 3 Credit Hours.
This course is designed to promote high standards of teaching excellence by providing the learner with research based methods, policies, and practices for being an effective higher education teacher. The course will focus on all aspects of teaching: learning theories, course design, teaching methods and learning experiences, course management, and assessment. Specific emphasis will be on developing significant learning experiences for students. Gaining a better understanding of the design process will empower teachers to be more creative and effective in providing significant learning opportunities for students. Through this course, students will apply information gained and ultimately develop a personal educational statement. Acceptance into the Master of Science in Dental Hygiene Program is required to take this course.

DENH 5080. Survey Methodology. 3 Credit Hours.
This course is designed to provide the student with an opportunity to expand and strengthen their research knowledge and skills. The course will consist of an in-depth study of survey methodology. Specifically, this course will provide guidance in how to achieve research goals with the use of a survey tool. Current graduates of dental hygiene programs are required to possess skills needed to continue their professional development and encourage life-long learning. These skills include knowledge of survey research methodology sufficient to: facilitate the development, use, and choice of appropriate statistical analysis to develop a unique research project. Advanced education students are preparing for expanded roles in clinical care, public health, education, administration, research and as change agents. To function in any or all these roles, each student has a responsibility to understand and possess skills to apply research principles at an advanced level. Open for Cross Enrollment on Space Available Basis.

DENH 5091. Special Topics in Dental Hygiene. 1-9 Credit Hours.
Students will be given an opportunity to gain an in-depth understanding of selected topics through seminars, conferences, projects, or other appropriate learning methods.

DENH 5903. Organizational Leadership. 3 Credit Hours.
The purpose of this course is to present foundational principles and theory relating to organizational leadership, communication strategies and behaviors, management of change, decision-making, and other essential elements of leadership. The course will provide students with general information relating to organizational theory, principles and styles. Additional topics will include leadership in educational organizations to include external and internal factors affecting leaders, program planning and as an elective and is open to all advanced education students enrolled in either the B.S. or M.S. Dental Hygiene Program and graduate students in other Health Professions Programs.

DENH 5924. Biostatistics. 3 Credit Hours.
This course is an introduction to biostatistics. Emphasis is upon application of statistical methods to biological problems. Topics include descriptive statistics, probability, hypothesis testing, and estimation.

DENH 5926. Preclinical Teaching Practicum. 4 Credit Hours.
This course is an introduction to concepts of preclinical instruction. Instruction will include seminar and laboratory application sessions emphasizing theories of psychomotor skill development; diagnosis of performance problems; provision of feedback; identification of cognitive, psychomotor, and affective behaviors; and faculty calibration. This course requires formal agreement with a participating dental hygiene program prior to the beginning of class. (The didactic portion of this course is delivered through Canvas.) Prerequisites: DENH 5050 and DENH 5010. Course Fees: Practicum fee $10 per hour.

DENH 6001. The Dental Hygienist Role in the Management of Elder Abuse. 3 Credit Hours.
This course will allow the learner to acquire the skills and knowledge to recognize the mistreatment of elders. First, the various types of elder abuse will be identified followed by discussion of the prevalence of abuse. Next, case study application will direct the learner in recognizing the risk factors and signs of elder abuse. The legal requirement and major ethical dimensions for the dental hygienist to report abuse will be explored, and an explanation of required abuse documentation will be provided. Finally, techniques for the dental hygienist may work effectively with law enforcement will conclude this course. Acceptance in the Master of Science in Dental Hygiene Program is required before taking the class.

DENH 6091. Independent Study. 1-3 Credit Hours.
This course includes independent reading, research, discussion, project, and/or writing under the direction of a faculty member. The course may be repeated for credit. Student must be accepted into the Master of Science in Dental Hygiene Program before taking the course.

DENH 6098. Thesis. 1-9 Credit Hours.
The first goal of this course is admit the student to candidacy in the Graduate School of Biomedical Sciences (GSBS) in order that they may begin individual research. The research is supervised by the Thesis Committee of selected faculty. The Thesis Chair will have the primary responsibility of supervising student progress. By conducting an individual research project, collecting and analyzing the data, and developing conclusions based on that data the student will understand the research process. Students will be mindful of the ethical issues associated with human subject and conduct the research under the guidelines of the University of Texas Health Science Center's Internal Review Board (IRB) guidelines. Students who successfully complete the research project with an oral presentation of their findings and submission of a manuscript to a peer reviewed journal or write a thesis will conclude their studies and graduate. The student has an option of submission of a manuscript in the form of writing a full thesis. The thesis option must meet the guidelines of the GSBS. Student must have completed 30 hours of core and elective courses, DENH 5022 Research Apprenticeship in the MS in Dental Hygiene program before taking the course.