



DENT 5596: Graduate Seminar I

- 1) Apply knowledge of the evidence pyramid; effective and efficient search strategies to locate high-level relevant evidence in PubMed, Cochrane Library, EBSCOhost databases, and using the Google Scholar search engine; and analyze the quality of the evidence.
- 2) Create a professional development plan based on a professional identity and brand to develop during the MS program.
- 3) Effectively use ISU library resources, the Moodle learning management system, and apply knowledge of basic computer, Microsoft Word, and PowerPoint functions.
- 4) Understand the APA 7th edition style for the format of papers, in-text citations, and references and incorporate evidence and a scientific writing in future assignments.
- 5) Value academic integrity as a member of the scholarly community and use strategies to prevent plagiarism and copyright violations.
- 6) Develop strategies to enhance your role in an online learning community including providing effective peer review feedback, applying strategies to be a successful online graduate student, completing a learning styles inventory, and determining strategies to facilitate learning in an online environment.

DENT 6605: Program Development and Evaluation

- 1) Practice the systematic process of instructional design to plan, develop, implement, and evaluate an educational program.
 - Assess and plan an educational program in an academic, work, or community environment. Access, retrieve, and evaluate relevant research to support the evidence-based task analysis for an educational program.
 - Develop a learner-center educational program with active strategies that engage the learner and with formative and summative assessments. Implement a learner-center educational program with active strategies engaging the learner with written and visual materials that enhance the presentation.
 - Conduct a program evaluation based on the results of the formative and summative assessment, the educator's self-assessment of the microteaching experience, and reflection on the instructional design process.
- 2) Develop a learner-centered teaching and learning philosophy articulating a professional perspective on education supported by credible evidence.

DENT 6610: Special Care Populations

- 1) Prepare an in-depth study for a special care population which focuses on features of the special need, cultural issues, impact of the special need on oral appointment procedures, access to oral care and clinical management for successful outcomes.
- 2) Gain knowledge of and empathy for challenges faced by individuals with special needs who are seeking or have limited access to oral care.
- 3) Plan comprehensive, safe, and comfortable dental hygiene care for clients with special needs, those from diverse cultural backgrounds, and individuals with medically complex conditions.

DENT 6612 Administration and Management of Healthcare Organizations

- 1) Apply principles of administration and management during interactions with groups and organizations to enhance innovation and change for improvement of oral health.
- 2) Coordinate care for clients to receive services in a timely manner according to relevant laws, professional ethical codes, and evidence-based practice care guidelines.
- 3) Demonstrate foundational understanding and ability to implement the roles of a dental hygiene director/coordinator, including administrative, leadership, interpersonal, and resource development.
- 4) Synthesize information from evidence-based literature to apply to a community health, education, clinical practice, and/or research problem.
- 5) Analyze and interpret qualitative and quantitative data from the research literature to guide problem-solving and evidence-based decision-making.
- 6) Demonstrate professional writing and presentation skills to disseminate research findings. Assume responsibility for professional development through the use of reflective judgment, critical thinking, and evidence-based decision making.



DENT 6619: Graduate Seminar II

- 1) Explore topics for the thesis research based on the categories established in ADHA's National Dental Hygiene Research Agenda and in collaboration with other disciplines.
- 2) Develop a plan for advancing a professional identity related to career goals, strengths, and opportunities needed to enhance expertise.
- 3) Search databases and websites in an effective and efficient manner to locate the best evidence and relevant literature on a research topic.
- 4) Construct tables to effectively and efficiently organize information from relevant literature.
- 5) Understand the requirements for conducting research according to the Guidelines of ISU's Human Subjects Committee related to the research process.
- 6) Create a curriculum vitae and cover letter that articulate education, experiences, and qualifications for a position in education or public health.

DENT 6620: Advanced Educational Theory and Methods

- 1) Understand the roles and responsibilities of an academic dental hygiene faculty member.
- 2) Utilize a systematic approach to develop a dental hygiene curriculum.
- 3) Use best practices in course design and assessment to develop a dental hygiene course.
- 4) Create evaluation tools that appropriately measure didactic learning and/or clinical skills.
- 5) Incorporate learning theories relating to adult learning in the dental hygiene educational environment.

DENT 6646 Health Research

- 1) Become a good consumer of research by reading, analyzing, interpreting and understanding research processes and results.
- 2) Students will be familiar with when conducting research.
- 3) Apply knowledge of quantitative and qualitative research methods as well as ethical considerations when developing the thesis prospectus.
- 4) Create a thesis prospectus that includes: Statement of the Problem, Purpose of the Study, Hypothesis or Research Aims/Questions, Significance of the Study, Literature Review (brief at this point), Study Design, Population/Sample, Proposed Methods and anticipated Results/Outcomes.
- 5) Develop writing skills through practice and constructive feedback.
- 6) Promote interprofessional awareness about other healthcare professions, and find common areas of interest in research.



DENT 6623: Leadership and Health Policy

- 1) Demonstrate the ability to assess, plan, implement, and evaluate a Health Policy Advocacy project to improve health or health care.
- 2) Create a Leadership Philosophy to guide all professional endeavors to improve health care.
- 3) Gain experience using leadership practices and emotional/social intelligence competencies throughout the semester while engaged in course activities.
- 4) Search for evidence in the literature and on the web to locate credible sources to support information presented in discussion postings and assignments.
- 5) Excel in using the APA 7th edition format and scientific writing.

DENT 6626 Dental Hygiene Practicum

- 1) Develop instruction and administrative knowledge, values, and practices to prepare future generations of learners.
- 2) Support scholarly inquiry designed to bridge gaps between practice, education and research, and advance the discipline's scientific knowledge base.
- 3) Contribute to improved quality of dental hygiene education, advanced dental hygiene practice, and enhanced community/rural oral health programs.
- 4) Emphasize emerging theories, collaboration, communication, evidence-based problem solving, critical thinking, self-assessment, lifelong learning and scholarly inquiry.
- 5) Enhance the oral health and well-being of individuals and groups in communities throughout the United States and other countries in which students reside and work.
- 6) Develop, implement, and evaluate community or rural programs to advance the oral health of under-served populations.

DENT 6632: Community and Global Health

- 1) Understand the biological and social aspects of major global health issues.
- 2) Develop knowledge of population groups that are at increased risk of poor health and a familiarity with policies and programs designed to reduce health inequalities.
- 3) Demonstrate the ability to plan, implement, and evaluate an oral health program to increase access to care in an under-served target population



DENT 6650 Thesis

- 1) Understand and value conducting research following the scientific process for quantitative, qualitative, and mixed methods approaches.
- 2) Formulate the content of Chapter 1 Introduction including the Introduction, Statement of the Problem, Purpose, Significance, Research Questions and/or Hypotheses, and Definitions and develop alignment between the sections.
- 3) Locate, analyze, and synthesize relevant literature to write a thorough Chapter 2 Review of the Literature and provide direction for the thesis research.
- 4) Plan Chapter 3 Methodology with a sound Design, Research Context, Participants, Data Collection, Limitations, and Proposed Statistical Analysis.
- 5) Value and practice the protection of human rights in the conduct of ethical research.
- 6) Conduct data collection and analyze data to answer the research question(s) or test the null hypotheses.
- 7) Write a manuscript for publication in a scholarly journal following the author guidelines for a refereed or peer reviewed journal.
- 8) Prepare a PowerPoint and an oral presentation for the thesis proposal and defense meetings to disseminate information in a clear and concise manner.