

# CLINICAL PRACTICE IV

## COURSE SYLLABUS (SPRING 2023)

<b><u>COURSE:</u></b>	<b>Clinical Practice IV</b> <b>DNHY 4038 (8 Credit Hours)</b>
<b><u>DAY/TIMES:</u></b>	Mon. 8:00 - 12:00 Tue 8:00 - 12:00 <b>OR</b> 1:00 - 5:00 PM Wed. 8:00 - 12:00 <b>AND</b> 1:00 - 5:00 PM
<b><u>LOCATION:</u></b>	Centennial Hall, Gaines Dental Hygiene Clinic - Room #146 Extramural Sites as Scheduled
<b><u>INSTRUCTORS:</u></b>	<b>LEAD:</b> Kelly Holcomb, RDH, BSDH, M.Ed <b>Supervising Dentist:</b> Ray Hyde, DDS Debra Kelley, RDH, BSDH, M.Ed Jill Young, RDH, BSDH, M.Ed Melanie McIntyre, RDH, BSDH Betsy Raines, RDH, BSDH, MS Stephanie McCann, RDH, BSDH, MS
<b><u>TEXTBOOKS:</u></b>	<b>No Required Textbooks</b>

### **CATALOG DESCRIPTION** As taken from the Most Current MSU Course Catalogue

Clinical Practice IV

Prerequisite(s): DNHY 3114, 3005, 4018.

Clinical practice continued in the Gaines Dental Hygiene Clinic as well as extramural sites in the community. Practice in the use of more advanced treatment modalities. Further development of instrumentation and assessment skills with limited instructor assistance. The student will assume responsibility for all aspects of dental hygiene treatment for each of their clinical patients, with limited instructor input and supervision.

### **COURSE PURPOSE:**

The purpose of this course is to further develop and refine the assessment, instrumentation and patient management skills acquired in prerequisite clinical courses. Advanced clinical experiences with emphasis on refinement of abilities to assess, plan, implement and evaluate patient treatment will enable students to develop competency in providing comprehensive individualized patient care. Assistant and receptionist rotations in the Gaines Dental Hygiene Clinic will further develop students' abilities to multitask and develop an understanding of the concept of the dental office staff working as one team. Clinical Practice IV consists of sixteen actual clock hours per week; students receive eight credit hours for successful completion of this course.

### **COURSE OBJECTIVES:**

Given the integration of didactic and clinical experiences, the prerequisite courses, Clinical Practice I (DNHY 3114), Clinical Practice II (DNHY 3005), and Clinical Practice III (DNHY 4018) upon completion of this course the student should be able to:

1. Utilize information obtained from the Med History in providing comprehensive patient care; determining need for special precautions, modifications and/or contradictions for treatment; manage emergencies, and make appropriate referrals to other health care providers.
2. Conduct a respectful cultural assessment of patients recognizing various dynamics that might have an effect on the dental hygiene care plan and treatment.
3. Assess and document patient vital signs, counsel patients on any irregularities, and make appropriate recommendations or referrals.

4. Perform an extraoral inspection and accurately document the findings with appropriate detail.
5. Thoroughly examine all oral tissues for signs of pathological changes, correctly document findings, and make appropriate recommendations and/or referrals.
6. Perform a periodontal assessment & accurately document findings including: AAP Classification, pocket depths, loss of attachment, mobility, furcation involvement, and bleeding sites within a reasonable time frame.
7. Graphically represent a patient's teeth with regard to caries, missing teeth or tooth structure, types and locations of restorations, fixed and removable appliances and developmental abnormalities within a reasonable time frame
8. Determine need for radiographic evaluation of specific areas and/or entire dentitions and make appropriate recommendations for such surveys based on patient assessment/need.
9. Position and expose intraoral x-ray films; process, mount, label, and critique radiographic surveys according to radiological standards.
10. Analyze data collected to assess patient's needs, abilities, resources and attitudes as a basis for developing and prioritizing the Dental Hygiene Care Plan.
11. Revise treatment plans in accordance with the progress of clinical treatment.
12. Obtain the patient's informed consent based on effective case presentations of dental hygiene care plans.
13. Determine the outcomes of dental hygiene interventions using indices, instruments, examination techniques and patient self-report.
14. Utilize effective infection control techniques in accordance with the *M.S.U. Dental Hygiene Program's Standard Protocol*; identifying any breach of protocol and remedying accordingly.
15. Apply principles of instrumentation and knowledge of tooth morphology in selecting hand and/or powered instruments to remove deposits, root plane, and reduce/ eliminate amalgam overhangs, in a timely manner.
16. Maintain tissue integrity while performing all intraoral instrumentation.
17. Select appropriate candidates for **air powdered polishing and demonstrate adequate patient preparation as well as proper set-up, utilization, and break-down of air powered polishing unit.**
18. Control pain and anxiety during treatment through the use of accepted clinical and behavioral management techniques which are within the scope of dental hygiene practice in Texas.
19. Demonstrate adequate patient preparation, as well as proper set-up, utilization, and break-down of various powered scalers (magnetostrictive and **piezo units**)
20. Select and administer topical fluoride treatments, based on the needs of the individual patient; with appropriate patient preparation and education.

21. Accurately complete all patient records and charting forms with appropriate detail and in a timely manner.
22. Demonstrate correct techniques in administering CPR Basic Life Support, as may be necessary.
23. Select appropriate candidates for pit and fissure sealant placement and **demonstrate proper unassisted application of sealants** on clinical patients; with adequate patient education and preparation.
24. Properly take alginate impressions; pour and trim acceptable diagnostic casts.
25. Correctly and efficiently perform all clinic receptionist duties in a professional manner, with a positive attitude.
26. Correctly and efficiently perform all clinic assistant duties with a positive attitude and in a professional manner, utilizing correct technique and infection control protocol.
27. Schedule patient appointments (procedures and time frame) in a manner that is both time efficient and meets the needs of the patient.
28. Demonstrate proper equipment maintenance in the lab, clinical, radiology and sterilization areas.
29. Select applicable candidates for placement of chemotherapeutic agents and demonstrate placement with appropriate patient education to clinical competency.
30. Electronically document patient assessment findings utilizing XLDent computer software.
31. Value patient confidentiality and patient rights according to HIPAA guidelines.
32. Follow all state and federal regulatory requirements when rendering patient care.

### **COURSE REQUIREMENTS:**

#### **GRADING RATIONALE**

The grade for this course is based on **QUALITY** (instrumentation, assessment/documentation, patient management, radiographs, professionalism, and clinic assistant/receptionist grades) **AND QUANTITY** (patient experience) requirements. Both play a significant role in the development of student competencies in patient care.

Competency evaluations (Process Evals) ensure that students can perform procedures at the minimum level of expertise determined necessary for this point in time in their education. Upon successful completion of the competency evaluations students can then work on improving their abilities with instructor assistance on patients in the Gaines Dental Hygiene Clinic. Due to the substantial instructor-student collaboration during treatment **QUALITY grades alone (via Clinic Grade Sheets) are NOT true indicators of student competency.**

**QUANTITY** (patient experiences) requirements are set to ensure that each student has appropriate experiences to develop entry level competencies in patient care. QUANTITY also reflects the student's competency level as time management abilities are ultimately reflected in the number and type of patients upon which treatment is completed. Therefore, the number/type of patients treated and the number/type of procedures performed have a significant bearing on the student's final course grade for Clinical Practice 4.

Student #1 has final Quality Grade (96) for 60 Class 2/2+, 12 Class 3 and 2 Class 4 level quads. = (-6) Deductions for Quantity Req. =Final course grade B  
 Student #2 has final Quality Grade (96) for 60 Class 2/2+, 16 Class 3 and 8 Class 4 level quads. = Final course grade A

**The final Quality Grade (daily clinic grades earned with instructor input & assistance) are the same for each student. However, Student #2 met all quantity requirements, which demonstrated a higher level of self-sufficient performance / competency level and resulted in a Final grade of A.**

#### **COURSE GRADING:**

A = 92 - 100

B = 83 - 91

C = 75 - 82 **Must earn 75 or above to Pass**

D = 65 - 74 Failure in Dental Hygiene

**60% Instrumentation**

**35% Data Collection/Treatment Management**

**5% Clinic Assistant/Receptionist**

**100%**