# PROS 5015
# Concepts of Occlusion
## FALL 2017

**CLASS DAYS and TIME:** Varies (see attached schedule)

**CLASSROOMS:** Prosthodontic Conference Room – Main Building
Graduate Prosthodontic Clinic – COHR
Graduate Prosthodontic Lab – COHR
Simulation Lab - COHR

**COURSE FACULTY:** Course Director, Dr Steve Haney

**OFFICE LOCATION and HOURS:** COHR Rm 2052.01 By appointment only

**EMAIL:** haneys2@uthscsa.edu

**TELEPHONE:** (210) 450-3260

**READ THIS DOCUMENT CAREFULLY - YOU ARE RESPONSIBLE FOR ITS CONTENTS.**

**COURSE DESCRIPTION AND OBJECTIVES**

This course is designed to provide and understanding of functional occlusion and gnathological principles. Historical and contemporary occlusal concepts are presented to elucidate principles central to the development of physiologic occlusion in oral rehabilitation. Various approaches to oral rehabilitation are considered, with emphasis on the clinical application of gnathology to develop an organic occlusion in harmony with anatomic determinants. The concept of joint resolution before rehabilitation is presented. A laboratory component of the course will teach occlusal waxing with both a classical and modified wax additive technique.

**Pre-requisites:** Registration in Advanced Education in Prosthodontics program (UTHSCSA or WHMC)

**Semester credit hours:** 1.0 credit hours

**Objectives:**

By the end of this course, each student should be able to:

1. Verbalize an understanding of the history and development of contemporary schools of thought in oral rehabilitation.
2. Enumerate the determinants of occlusion and discuss their significance at the level of restored tooth anatomy.
3. Discuss and illustrate the movement of the mandible in three planes.
4. Describe and rationalize the various approaches to joint resolution before rehabilitation.
5. Identify all elements of a pantographic tracing and describe the effect of variations on tooth anatomy.

6. Demonstrate selective occlusal adjustment on mounted diagnostic casts.
7. Create a functional occlusion in wax using both a classical wax additive technique
8. Understand and discuss the differences between the functionally generated path technique and the gnathological approach for oral rehabilitation.

**COURSE ORGANIZATION**

**The main teaching modalities used in this course include:**

**1)** Seminars focused on foundational material.

**2)** Clinical sessions for demonstration and introductory experiences of occlusion related procedures.

**3)** Laboratory sessions for demonstration and introductory experiences with wax additive technique and other occlusion related procedures.

**Materials** – All materials will be provided.

**Computer Access** – Computer access will be required for review of literature accompanying course instruction.

**Reading Assignments** – See attached schedule of reading assignments.

**ATTENDANCE**

Attendance is mandatory for all sessions unless written permission is given by the Course Director (or student's Program Director) for absence. Sessions cannot be remediated.

**TEXTBOOKS**

**Required:** There are no required textbooks for this course.

**Recommended:** Recommended literature will be provided as per the schedule of reading assignments. Each student is responsible for reading all referenced articles, but responsible for reporting on only those articles assigned to her or him individually.

**GRADING POLICIES AND EXAMINATION PROCEDURES**

This is a letter grade course. The grade will be awarded based upon the following formula:

Class/Seminar Participation 25%
Final Examination Score 75%

The 8 Dec 2016 Final Exam will be 2 hours in length and will consist of multiple choice, fill in the blank, matching, and short essay questions. No extra credit opportunities are afforded. If required due to unavoidable absence for the final exam, the make-up assessment will be a 2 hour oral exam. This course is non-remediable.

**Grading System**

**A** = 90 – 100 **B** = 80-89 **C** = 70-79 **F** = Less than 70

**REQUESTS FOR ACCOMODATIONS FOR DISABILITIES**

In accordance with policy 4.2.3, **Request for Accommodation Under the ADA and the ADA Amendments Act of 2008 (ADAAA)**, any student requesting accommodation must submit the appropriate request for

accommodation under the American with Disabilities Act (ADA, form 100). to his/her appropriate Associate Dean of their School and a copy to the ADA Coordinator. Additional information may be obtained at http://uthscsa.edu/eeo/request.asp.

**ACADEMIC INTEGRITY AND PROFESSIONALISM**

Any student who commits an act of academic dishonesty is subject to discipline as prescribed by the UT System Rules and Regulations of the Board of Regents. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, signing attendance sheets for another student, and any act designed to give unfair advantage to a student or the attempt to commit such an act. Additional information may be obtained at http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/academicdishonestypolicy/

**TITLE IX AT UTHSCSA**

**Title IX Defined:**

Title of the Education Amendments of 1972 is a federal law that prohibits sex discrimination in education. It reads "no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance."

**University of Texas Health Science Center San Antonio's Commitment:**

University of Texas Health Science Center San Antonio (UTHSCSA) is committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, UTHSCSA does not discriminate on the basis of sex in its education programs and activities, and it encourages any student, faculty, or staff member who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to immediately report the incident to the Title IX Director.

In an emergency, victims of sexual abuse should call 911. For non-emergencies, they may contact UPD at 210-567-2800. Additional information may be obtained at http://students.uthscsa.edu/titleix/

**USE OF RECORDING DEVICES**

Class sessions may be recorded with the written permission of session presenters before recording is begun.

**ELECTRONIC DEVICES**

Respectful use of handheld electronic devices is permitted. Students may be asked to terminate use if the session presenter finds its use disruptive to class proceedings. Cell phones must be muted throughout sessions.

# FALL 2017
# PROS 5015 – OCCLUSION
## Course Director: Dr. Steve Haney

27 Mar 17

| Session | Date | Day | Time | Location | Topic | Faculty |
|---|---|---|---|---|---|---|
| 1 | 5Jul17 | W | 8-12 noon | PCR | History of Occluson | Haney |
| 2 | 5Jul17 | W | 2-5 | PCR | Concepts of Occlusion | Haney |
| 3 | 6Jul17 | Th | 8-12 noon | PCR | Gnathology 1 | McHorris |
| 4 | 6Jul17 | Th | 1-5 PM | PCR | Gnathology 2 | McHorris |
| 5 | 7Jul17 | F | 8-12 noon | PCR | Gnathology 3 | McHorris |
| 6 | 7Jul17 | F | 1-3 PM | GC | Leaf Gauge Demo | McHorris |
| **Clinical Orientation Course** | 12Jul17 | W | 8-10 AM | GC/GL | Prelim Impr / Casts Demo | Verrett |
| | 12Jul17 | W | 10-12 | GC/GL | Prelim Impr / Casts | Verrett |
| | 12Jul17 | M | 1-2:30 PM | GC/GL | Facebow / JRR/Mount Demo | Verrett |
| | 12Jul17 | W | 2:30-5 PM | GC/GL | Facebow / JRR/Mount | Verrett |
| | 13Jul17 | Th | 8-10 AM | GL | Cast Duplication Demo | Haney |
| | 13Jul17 | Th | 10-12 noon | GL | Cast Duplication | Haney |
| | 17Jul17 | M | 8-9:30 AM | GL | Dx Equilibration Demo | Haney |
| | 17Jul17 | M | 9:30-12 | GL | Dx Equilibration | Haney |
| **Wax Additive Course** | 25Jul17 | Tu | 8-9:30 AM | 2383 | Wax Additive Technique 1 Lect | Verrett |
| | 25Jul17 | Tu | 9:30-12 | Sim Lab | Wax Additive Technique 1 | Verrett |
| | 25Jul17 | Tu | 1-5 | Sim Lab | Wax Additive Technique 2 | Verrett |
| | 26Jul17 | W | 8-12 noon | Sim Lab | Wax Additive Technique 3 | Verrett |
| | 26Jul17 | W | 1-5 PM | Sim Lab | Wax Additive Technique 4 | Verrett |
| 7a | 5Sep17 | Tu | 1-3 PM | PCR | Determinants of Occlusion | Haney |
| 7b | 5Sep17 | Tu | 3-5 | PCR | General Concepts (Dawson) | Haney |
| 8 | 20Sep17 | W | 1-5 PM | GL/GC | Pantographic Tracing | Haney |
| 9a | 27Sep17 | W | 1-3 PM | PCR | Centric Relation (Dawson) | Haney |
| 9b | 27Sep17 | W | 3-5 PM | PCR | Setting the Denar 5A | Haney |

| Session | Date | Day | Time | Location | Topic | Faculty |
|---|---|---|---|---|---|---|
| 10a | 4Oct17 | W | 1-3 PM | PCR | TMJ Anatomy (Tanaka VCR) | Haney |
| 10b | 4Oct17 | W | 3-5 | PCR | Occlusal Vertical Dimension | Haney |
| 11 | 10Nov17 | F | 10-12 noon | PCR | Final Exam | Haney |
| 12 | 22Nov17 | W | 1-3 PM | TBD/COHR | Make-up Final Exam (Oral) | Haney |