

## **SYLLABUS**

COURSE: DEPF 2910 Fixed Prosthodontics – Single Unit  
SEMESTER: Fall  
CREDIT HOUR: 4.0

REVISED: 2009  
REPRINTED: 2009

COURSE DIRECTOR: Maria Gonzalez, D.D.S., M.S.

## GOAL

The purpose of this course is to introduce the student to the basic principles and techniques of fixed prosthodontics. The course covers the terminology, materials techniques, and basic principles involved with prosthodontic diagnostic procedures, tooth preparations, impression making and master cast fabrication, interim restorations, waxing and occlusion, and the fabrication of cast restorations using the lost wax process.

It is extremely important during this course for the students to gain a fundamental background in the following areas of fixed prosthodontics:

1. Purposes of the diagnostic mounting
2. Custom tray fabrication
3. Interim templates
4. Biologic tooth preparations for all gold and metal-ceramic crowns
5. Master cast impression techniques and materials
6. Fabrication of master casts employing the Pindex® system
7. Direct and indirect fabrication of interim restorations
8. Occlusal waxing and investing techniques
9. Casting complete gold restorations
10. Fabrication of cast post and core crown foundations

## OBJECTIVES

### I. DIAGNOSIS AND TREATMENT PLANNING

1. Pour casts in Type III or V dental stone.
2. Mount casts on a class III articulator.
3. Fabricate custom trays for fixed prosthodontics.
4. Define Centric Relation, Centric Occlusion, and Maximum Intercuspatation.
5. List the preparatory steps for predictably performing a complete gold crown restoration for a clinical patient.
6. Describe the technique for employing a diagnostic work up prior to executing a complete gold crown. This includes how to do a diagnostic mounting, occlusal analysis, diagnostic equilibration, diagnostic preparations and waxing.
7. Describe the properties, handling, classifications, and indications for all the dental materials and instruments employed in the diagnosis and treatment planning including, but not limited to, alginate, gypsum, waxes, acrylic resins, BisGMA light cured resins, articulators, and face-bows.

### II. BIOLOGIC TOOTH PREPARATIONS

1. Prepare dentaform teeth for:
  - 1.1 Premolar complete gold crown.
  - 1.2 Molar complete gold crown.
  - 1.3 Molar partial veneer crown.
2. Define retention and resistance form.
3. Describe the principles of path of insertion, preservation of tooth structure and periodontium, marginal integrity, and structural durability.
4. Enumerate the correct amounts (in millimeters) of reduction of tooth structure for the various preparations based on the type of restorations being fabricated.
5. Explain the justifications for the various preparation features.
6. List indications for the various tooth preparations.

### III. INTERIM RESTORATIONS

1. Fabricate accurate templates for indirect and direct fabrication of interim restorations for fixed prosthodontics.
2. Fabricate casts from accelerated dental stone for the indirect interim.
3. Fabricate an indirect interim restoration using poly methylmethacrylate acrylic resin.

4. Fabricate a direct interim restoration using Bis-acryl composite.
5. Fit, modify, and polish provisional restoration.
6. Describe custom and pre-fabricated interim restorations.
7. List the requirements of a fixed interim restoration.
8. Describe the indications for a fixed interim restoration.
9. Describe the properties, handling, classifications, and indications for all the dental materials employed in the fabrication of direct and indirect interim restorations including, but not limited to, templates, gypsum, separators, resins, and polishing agents.

#### IV. MASTER CAST FABRICATION

1. Make a vinyl polysiloxane impression of a prepared tooth in a custom tray.
2. Fabricate a Type V gypsum master cast for Pindexing®.
3. Fabricate a precise Pindex® cast for indirect fabrication of a cast restoration.
4. Accurately mount a Pindex® master cast opposing a diagnostic cast.
5. Prepare accurate removable dies for fabricating an indirect cast restoration.
6. Know the various impression materials used in fixed prosthodontics and their indications and handling properties.
7. List the steps and give justifications for each in the execution of an elastomeric impression for fixed prosthodontics.
8. Explain the proper handling of Type III, IV, and V dental stones in the fabrication of Pindex® and opposing casts, as well as their correct mounting to a class III articulator.
9. Describe the properties, handling, classifications, and indications for all the dental materials and instruments employed in the master cast procedures including impression materials, gypsum, Pindex® system, waxes, separating agents, and pin adhesives.
10. Describe the rationale for, and the timing of, wetting the gypsum products with saturated dihydrate solution (SDS).

#### V. THE "LOST WAX" PROCESS

1. Fabricate an accurate wax pattern with correct occlusal anatomy and function.
2. Sprue and invest the wax pattern.
3. Burn out and cast the wax pattern in gold using a gas/air torch and centrifugal casting machine.
4. Recover, adjust, fit, and polish the gold crown.
5. Solder proximal contacts using an open flame Bunsen burner.
6. Describe the history and basic principles of the "lost wax" process.

7. List the steps in order for fabricating a gold casting.
8. Describe the instruments and equipment required to perform the "lost wax" process.
9. Describe the steps in recovering, fitting, and delivering a cast restoration.
10. Describe the properties, handling, classifications, and indications for all the dental materials employed in the "lost wax" technique including, but not limited to, waxes, investment, and gold, as well as the equipment used (investing machines, burn out ovens, and casting machines).

#### VI. BIOLOGIC TOOTH PREPARATIONS

1. Prepare dentaform teeth for:
  - 1.1 Incisor complete metal-ceramic crown.
  - 1.2 Canine complete metal-ceramic crown.
  - 1.3 Premolar complete metal-ceramic crown.
2. Define retention and resistance form.
3. Describe the principles of path of insertion, preservation of tooth structure and periodontium, marginal integrity, and structural durability.
4. Enumerate the correct amounts (in millimeters) of reduction of tooth structure for the various preparations based on the type of restorations being fabricated.
5. Explain the justifications for the various preparation features.
6. List indications for the various tooth preparations.

#### VII. THE CAST POST AND CORE

1. Prepare a single rooted tooth for a cast post and core crown foundation.
2. Fabricate a direct pattern for a cast post and core.
3. Fabricate an indirect pattern for a cast post and core.
4. Sprue, invest, cast, recover, and fit a cast post and core.
5. Describe the indications for a cast post and core.
6. List the preparation features required for predictable success in cast post and core restorations.
7. Explain the impression and procedures for the indirect pattern fabrication of endodontically treated teeth.
8. Describe the properties, handling, classifications, and indications for all the dental materials employed in the cast post and core techniques including, but not limited to, gypsum, waxes, plastic patterns, pattern resins, investment, and gold.

## RESOURCES

### I. Media Resources

#### A. Printed Media

##### 1. Required Textbook

Shillingburg, H.T., et.al.  
*Fundamentals of Fixed Prosthodontics*, Third Edition  
Quintessence Publishing Company

##### 2. Required monograph

Minke, C.; Belles, D.; Gonzalez, M.; Huff T.  
*Fixed Prosthodontics Basic Principles and Techniques*  
UTDB, 2008

##### 3. Supplemental text

Dawson  
*Functional Occlusion: From TMJ to Smile Design*  
Mosby, 2006

### II. Human Resources

Maria Gonzalez, D.D.S., M.S.  
Room 435, Phone: 713-500-4138  
Email: Maria.D.Gonzalez@uth.tmc.edu

*Course Director*

Mohsin Ali, BDS, MSc. PhD  
Room 435, Phone; 713-500-4065  
Email: Ali.Mohsin@uth.tmc.edu

Rodney Beetar, DDS., MS  
Room 409 , Phone; 713-500-4343  
Rodney.F.Betar@uth.tmc.edu

Donald M. Belles, D.D.S., M.S.  
Room 441, Phone: 713-500-4335  
Email: Donald.M.Belles@uth.tmc.edu

Raymond Koeppen, D.D.S., M.S  
Room 429D, Phone: 713-500-4272  
Email: Raymond.G.Koeppen@uth.tmc.edu

Gene C. Stevenson, DDS, MS  
Room 413, Phone: 713-500-4136  
Email: Gene.C.Stenvenson@uth.tmc.edu

Chanseop Park, DDS, MSD  
Room 422, Phone: 713-500-4267  
Chanseop.Park@uth.tmc.edu

Sergio Ortegon, DDS, MSc  
Room 421, Phone: 713-500-4139  
E-mail: Sergio.Ortegon@uth.tmc.edu



**DEPF 2910 FIXED PROSTHODONTICS – SINGLE UNIT  
2009 Fall Semester Lecture & Lab Schedule**

Lectures: Tuesday: 8:00 - 8:50 am; Thursday: 8:00 - 8:50 am

Labs: Tuesday: 9:00 - 11:50am; Thursday: 9:00 -11:50 am

Session	Date	Session Topic	Presenter
1	Tue Aug 18	<b>Lecture:</b> Introduction to the course. Diagnosis and Treatment Planning. <b>Laboratory:</b> Organize Prosthodontic Instrument Kit. Mount maxillary diagnostic cast	Gonzalez
		<u>Assignment:</u> Manual Chapter 1 & Textbook Chapter 6	
		<u>Materials:</u> Student Instrument Kit, Whip Mix® Articulator, mounting rings, rubber bowl and spatula, wet sand paper.	
2	Thu Aug 20	<b>Lecture:</b> Custom Tray Technique. <b>Laboratory:</b> Fabricate max and man custom trays.	Gonzalez
		<u>Assignment:</u> Manual Chapter 4 & Textbook Chapter 5	
		<u>Materials:</u> Pink baseplate wax, Triad® tray material, lab knife, acrylic burs, scissors, red handle knife, #25 blade, low speed handpiece, Bunsen burner, waxing instruments.	
3	Tue Aug 25	<b>Lecture:</b> Preparing teeth for cast restorations. <b>Laboratory:</b> Prepare Tooth # 18 for complete gold crown.	Ali
		<u>Assignment:</u> Manual Chapters 5, 6 & Textbook Chapters 9, 10	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, #25 blade, mirror, probe, typodont.	
4	Thu Aug 27	<b>Quiz # 1</b> <b>Lecture:</b> Preparing teeth for cast restorations. <b>Laboratory (Group B)</b> Prepare Tooth # 3 for complete gold crown. <b>Simulation Center (Group A)</b> Prepare Tooth # 3 for complete gold crown.	Ali
		<u>Assignment:</u> Manual Chapters 5, 6 & Textbook Chapters 9, 10	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, #25 blade, mirror, probe, typodont.	

Session	Date	Session Topic	Presenter
5	Tue Sep 1	<p><b>Lecture:</b> Preparing teeth for cast restorations.</p> <p><b>Laboratory (Group A)</b> Prepare tooth # 20 for complete gold crown</p> <p><b>Simulation Center (Group B)</b> Prepare tooth # 20 for complete gold crown.</p>	Ali
		<u>Assignment:</u> Manual Chapters 5, 6 & Textbook Chapters 9, 10	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, #25 blade, mirror, probe, typodont.	
6	Thu Sep 3	<p><b>Lecture:</b> Preparing teeth for cast restorations.</p> <p><b>Laboratory:</b> Team Projects <b>Room 207</b></p>	Ali/Belles
		<u>Assignment:</u> Manual Chapters 5, 6 & Textbook Chapters 9, 10	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, #25 blade, mirror, probe, typodont.	
7	Tue Sep 8	<p><b>Lecture:</b> Preparing teeth for cast restorations.</p> <p><b>Laboratory:</b> Prepare tooth # 30 for complete gold crown.</p>	Gonzalez
		<u>Assignment:</u> Manual Chapters 5, 6 & Textbook Chapters 9, 10	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, #25 blade, mirror, probe, typodont.	
8	Thu Sep 10	<p><b>Quiz # 2</b></p> <p><b>Lecture:</b> Preparing teeth for cast restorations.</p> <p><b>Laboratory: Gold Crown Preparation #30. Turn in for Pass/Fail Evaluation</b></p>	Gonzalez
		<u>Assignment:</u> Manual Chapters 5, 6 & Textbook Chapters 9, 10	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, #25 blade, mirror, probe, typodont.	
9	Tue Sep 15	<p><b>Lecture:</b> Interim restorations for fixed prosthodontics.</p> <p><b>Laboratory:</b> Make impression, pour several stone casts, trim casts, fabricate putty and suck down templates.</p>	Ortegon
		<u>Assignment:</u> Manual Chapter 9 & Textbook Chapter 15	
		<u>Materials:</u> ¼ arch tray, vinyl polysiloxane, impression guns, mixing tips, mixing bowl, spatula, Kilgore gold crown prep.	

Session	Date	Session Topic	Presenter
10	Thu Sep 17	<b>Lecture:</b> Interim restorations for fixed prosthodontics. <b>Laboratory:</b> Fabricate direct interim restoration # 30.	Ortegon
		<u>Assignment:</u> Manual Chapter 9 & Textbook Chapter 15	
		<u>Materials:</u> Sable brushes, low speed handpiece, acrylic burs, Moore's discs, suck down template.	
11	Tue Sep 22	<b>Lecture:</b> Interim restorations for fixed prosthodontics. <b>Laboratory:</b> Fabricate indirect interim restoration # 30.	Ortegon
		<u>Assignment:</u> Manual Chapter 9 & Textbook Chapter 15	
		<u>Materials:</u> Sable brushes, low speed handpiece, acrylic burs, Moore's discs, putty template.	
12	Thu Sep 24	<b>Quiz # 3</b> <b>Lecture:</b> Interim restorations for fixed prosthodontics. <b>Laboratory: Practical Exam #1 – Indirect Interim #30</b>	Ortegon
		<u>Assignment:</u> Manual Chapter 9 & Textbook Chapter 15	
		<u>Materials:</u> Sable brushes, low speed handpiece, acrylic burs, Moore's discs, putty template.	
13	Tue Sep 29	<b>Lecture:</b> Final impressions for fixed prosthodontics. <b>Laboratory:</b> Make final impression of crown preparation # 30. Pour in type V dental stone (at least 2 casts). Trim casts and smooth base to receive pin holes.	Gonzalez
		<u>Assignment:</u> Manual Chapter 10 & Textbook Chapters 16, 17	
		<u>Materials:</u> Spatula, wet sand paper, vinyl polysiloxane, impression guns, mixing tips, mandibular custom tray.	
14	Thu Oct 1	<b>Lecture:</b> Fabricating master casts for fixed prosthodontics. <b>Laboratory:</b> Make Pindex® master cast: drill pin holes, cement pins and pour base.	Gonzalez
		<u>Assignment:</u> Manual Chapter 10 & Textbook Chapter 18	
		<u>Materials:</u> Green bowl, spatula, wet sand paper, Pindex® kits, waxing instruments, Bunsen burner, boxing and rope wax, # 25 blade, cyanoacrylate.	
15	Tue Oct 6	<b>Lecture:</b> Fabricating master casts for fixed prosthodontics. <b>Laboratory:</b> Mount casts, saw and trim dies, apply die spacer.	Gonzalez
		<u>Assignment:</u> Manual Chapter 10 & Textbook Chapter 18	
		<u>Materials:</u> Green bowl, spatula, die saw, saw blades, low speed handpiece, acrylic burs, die spacer, sable brushes, # 15 blade with metal handle.	

Session	Date	Session Topic	Presenter
16	Thu Oct 8	<b>Midterm Examination</b> <b>Room 207</b> <b>Laboratory:</b> Complete master cast project	Gonzalez
17	Tue Oct 13	<b>Lecture:</b> The Lost Wax process. <b>Laboratory:</b> Wax up # 30 in master die.	Belles
		<u>Assignment:</u> Manual Chapter 11 & Textbook Chapter 19	
		<u>Materials:</u> Waxing instruments, Bunsen burner, inlay wax, waxing powder, die lube.	
18	Thu Oct 15	<b>Lecture:</b> The cast gold crown. <b>Laboratory:</b> Finish wax up # 30, sprue and invest wax pattern.	Belles
		<u>Assignment:</u> Manual Chapter 12 & Textbook Chapter 21	
		<u>Materials:</u> Waxing instruments, Bunsen burner, inlay wax, sprue former, casting ring, ring liner, Whip Mix investment mixer, die lube, waxing powder, sticky wax.	
19	Tue Oct 20	<b>Lecture:</b> The cast gold crown. <b>Laboratory:</b> Burn out and casting.	Belles
		<u>Assignment:</u> Manual Chapter 12 & Textbook Chapter 21	
		<u>Materials:</u> gold ingots, crucible, casting ring.	
20	Thu Oct 22	<b>Quiz # 4</b> <b>Lecture:</b> The cast gold crown. <b>Laboratory:</b> Burn out and casting.	Belles
		<u>Assignment:</u> Manual Chapters 12,13,Textbook Chapters 21,22	
		<u>Materials:</u> gold ingots, crucible, casting ring.	
21	Tue Oct 27	<b>Lecture:</b> The cast gold crown. <b>Laboratory:</b> Recover, fit and finish gold crown	Belles
		<u>Assignment:</u> Manual Chapter 13 & Textbook Chapter 22	
		<u>Materials:</u> Separating disk, acrylic burs, polishing points and brushes, rouge, tripoli, heatless wheel.	
22	Thu Oct 29	<b>Lecture:</b> The cast gold crown. <b>Laboratory: Finish gold crown project and turn it in.</b>	Belles
		<u>Assignment:</u> Manual Chapter 13 & Textbook Chapter 22	
		<u>Materials:</u> Separating disk, acrylic burs, polishing points and brushes, rouge, tripoli, heatless wheel.	

Session	Date	Session Topic	Presenter
23	Tue Nov 3	<b>Lecture:</b> Preparing teeth for metal-ceramic restorations. <b>Laboratory:</b> Prepare tooth # 11 for metal-ceramic crown.	Park
		<u>Assignment:</u> Manual Chapter 7 & Textbook Chapter 25	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife with #25 blade, mirror, probe.	
24	Thu Nov 5	<b>Quiz # 5</b> <b>Lecture:</b> Preparing teeth for metal-ceramic restorations. <b>Laboratory (Group A)</b> Prepare tooth # 5 for metal-ceramic crown. <b>Simulation Center (Group B)</b> Prepare tooth # 5 for metal-ceramic crown with metal collar.	Park
		<u>Assignment:</u> Manual Chapter 7 & Textbook Chapter 25	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, mirror, probe.	
25	Tue Nov 10	<b>Lecture:</b> Preparing teeth for metal-ceramic restorations. <b>Laboratory (Group B)</b> Prepare tooth # 13 for metal-ceramic crown with metal collar. <b>Simulation Center (Group A)</b> Prepare tooth # 13 for metal-ceramic crown.	Park
		<u>Assignment:</u> Manual Chapter 7 & Textbook Chapter 25	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, mirror, probe.	
26	Thu Nov 12	<b>Lecture:</b> Preparing teeth for metal-ceramic restorations. <b>Laboratory:</b> Prepare tooth # 8 for metal-ceramic crown.	Park
		<u>Assignment:</u> Manual Chapter 7 & Textbook Chapter 25	
		<u>Materials:</u> Dentaform tooth, handpieces, crown prep bur block, red handle knife, mirror, probe.	
27	Tue Nov 17	<b>Lecture:</b> Preparing teeth for metal-ceramic restorations. <b>Laboratory: Practical Exam #2 – Metal-Ceramic Crown Preparation # 8</b>	Gonzalez
		<u>Assignment:</u> Manual Chapter 7 & Textbook Chapter 25	

Session	Date	Session Topic	Presenter
28	Thu Nov 19	<b>Quiz # 6</b> <b>Lecture:</b> Basics of an endodontic treatment. Restoring endodontically treated teeth. Post and core techniques. <b>Laboratory:</b> Making the direct and indirect post and core patterns.	Belles
		<u>Assignment:</u> Manual Chapter 14 & Textbook Chapter 13	
		<u>Materials:</u> Waxing instruments, Bunsen burner, sticky and inlay wax, die lube, PVS, stone vacuum mixer, sable brushes, handpieces, crown prep bur block.	
29	Tue Nov 24	<b>Lecture:</b> Spruing, investing, and casting post and cores. <b>Laboratory:</b> Finish post and core patterns, sprue and invest.	Belles
		<u>Assignment:</u> Manual Chapter 14 & Textbook Chapter 13	
	Thu Nov 26	<i>Thanksgiving Holiday</i>	
30	Tue Dec 1	<b>Course Evaluation</b> <b>Lecture:</b> Burnout, cast, and fit post and core patterns. <b>Laboratory:</b> Cast patterns, recover and fit.	Belles
		<u>Assignment:</u> Manual Chapter 14 & Textbook Chapter 13	
		<u>Materials:</u> Gold ingots, crucible, brush, magnification, separating disk, small round burs for straight handpiece, polishing points, rouge.	
31	Thu Dec 3	<b>Lecture:</b> Course Review <b>Laboratory: Cast patterns, recover and fit. Turn project in.</b>	Gonzalez
		<u>Assignment:</u> Manual Chapter 14 & Textbook Chapter 13	
		<u>Materials:</u> Gold ingots, crucible, brush, magnification, separating disk, small round burs for straight handpiece, polishing points, rouge.	
32	Tue Dec 15 8-9:30 am	<b>Final Exam</b> <b>Room 207</b>	Gonzalez

## EVALUATION METHODS

The student's degree of proficiency in this area is assessed by the results obtained from written examinations and evaluation of the student's competence in completion of the laboratory technique exercises.

### Course Grading

1. The course is divided into 7 projects:
  - a. Diagnosis and treatment planning
  - b. Gold crown preparations
  - c. Interim restorations
  - d. Final impressions and master casts
  - e. Casting gold crowns
  - f. Metal-ceramic crown preparations
  - g. Cast post and cores
  
2. The final course grade will be calculated from a combination of all of the didactic (50%) and laboratory (50%) grades for the course.

- a. The didactic component (50%) of the course will consist of:

<b>Quizzes</b> (highest 5/6)	15%
<b>Midterm Examination</b>	15%
<b>Final Examination</b>	20%

All examinations will be based on information presented in the reading assignments, material presented in lecture, laboratory rotations, and handouts. All examinations will be cumulative in content. Examinations may consist of multiple-choice, true/false, matching, and/or essay questions. Makeup examinations for excused absences must be taken within three (3) days of the student's return to school. Unexcused absences from examinations will be scored as a "0". A minimal average grade of 70 must be achieved in the didactic portion for successful completion of the course. A remake final will be given, provided the student is passing the didactic portion of the course at the time that the final is given. If the student is not passing the course at the time the final is given, all grades will be forwarded to the Second Year Evaluation and Promotion Committee for evaluation and recommendation. There will be no remediation of other didactic examinations given during the semester.

- b. The laboratory component (50%) of the course will consist of:

#### **Practical Examinations**

i.	Interim restoration	25%
ii.	Metal-ceramic preparation	25%

All practical examinations will be an automatic failure if the student does not self evaluate according to the criteria on the criteria form, before turning in the project.

### **Additional Projects**

It will consist of three (3) projects evaluated on a pass/fail basis and must be completed with a passing score to pass the course.

- iii. Gold crown preparation: Pass/Fail
- iv. Gold crown: Pass / Fail
- v. Post and core: Pass / Fail

Grading criteria for all practical exams and projects will be presented prior to the start of each exercise. Any failed practical examination must be remade and the stated minimal passing average grade must be achieved.

### **Remediation and Remakes**

Students must arrange for remediation and remaking of the practical/project with the course director. If the remade practical is of a passing level, then a grade of 70% will be recorded for the project. If the remade examination is not at a passing level, the failing grade of the remake will be recorded and the student referred to the Second Year Evaluation and Promotion Committee for evaluation and recommendation. A minimal average grade of 70 must be achieved in the laboratory portion for successful completion of the course. If a practical examination is missed due to an excused absence, the exam can be made up without penalty, by arrangement with the course director. There will be no make up of practical exams for unexcused absences, and in such cases a grade of "0" will be assigned for the missed practical.

### **Exercise Completion Form**

All laboratory exercises require an instructor signature on the Exercise Completion Form. Failure to complete the exercises and collect all instructor signatures by **December 3, 2009**, will result in a 5-point deduction from your final grade.

**A minimal average grade of 70 or pass must be achieved on the didactic and on the laboratory components, individually, for successful completion of the course.**

### **Grading Scale for Practical Exams and Laboratory Projects**

Grades will be assigned as follows in accordance with *UTDB Clinic Manual* and the *Student Guide to Academic Studies*:

5	=	100%
4	=	85%
3	=	70%
2	=	55%
1	=	0 - 40%

### **Attendance Policy**

On time attendance is expected for this course. As a matter of courtesy to the speaker and to get maximum benefit from the lecture, students should be in their seats no later than 8:00 am. All announcements are given in the beginning of the lecture sessions. If you missed any announcements, it is your responsibility to obtain all pertinent information at a later time. If you missed any quiz or examination, it is your responsibility to obtain an excused absence, if applicable. Excused absences will be only those verified by the Office of Student Affairs.

### **Professionalism Policy**

As a courtesy to the instructors and to your colleagues, the following disruptions will not be tolerated during the class:

- Audible signals emitting from pagers or cellular phones.
- Talking on cellular phones during class.
- Leaving class after the presenter has started or before the presenter has concluded.

- Eating food during class except when a class is scheduled at lunchtime.
- Engaging in audible conversations with colleagues during the presentation.
- Failure to adhere to the dress code as defined in the *Student Guide to Academic Studies*.
- Unprofessional behavior or language directed at any instructor, staff, or colleague.
- Intentional physical destruction of equipment or building facility.