1. **COURSE ID:** DENT 749  **TITLE:** Preclinical Dental Science Laboratory  
   **Units:** 1.0 units  **Hours/Semester:** 48.0-54.0 Lab hours  
   **Method of Grading:** Letter Grade Only  
   **Prerequisite:** Acceptance to the Dental Assisting Program

2. **COURSE DESIGNATION:**
   - Degree Credit
   - Transfer credit: none

3. **COURSE DESCRIPTIONS:**
   **Catalog Description:**
   This course provides the student with a swift introduction to chairside skills, clinical dental charting, classification of cavities, rubber dam, local anesthesia, dental units, preparing and dismissing the dental patient, preparing and breaking down the dental treatment room, proper oral evacuation placement, and generalized instrumentation. (This course is offered in the Fall only.)

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**
   Upon successful completion of this course, a student will meet the following outcomes:
   1. Demonstrate correct instrument exchange technique for four handed dentistry.
   2. Demonstrate practically knowledge of Black’s Cavity Classifications.
   3. Demonstrate the ability to properly record clinical and periodontal charting.
   4. Demonstrate the ability to properly set-up and breakdown a dental treatment room including admitting and dismissing the patient.
   5. Identify and describe the proper use of procedure specific dental instrumentation.
   6. Demonstrate the ability to successfully assemble the local anesthetic syringe.
   7. Demonstrate the proper use of the HVE and Air/Water Syringe including isolation techniques.

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**
   Upon successful completion of this course, a student will be able to:
   1. Demonstrate correct instrument exchange technique for four handed dentistry.
   2. Demonstrate practically knowledge of Black's Cavity Classifications.
   3. Demonstrate the ability to properly record clinical and periodontal charting.
   4. Demonstrate the ability to properly set-up and breakdown a dental treatment room including admitting and dismissing the patient.
   5. Identify and describe the proper use of procedure specific dental instrumentation.
   6. Demonstrate the ability to successfully assemble the local anesthetic syringe.
   7. Demonstrate the proper use of the HVE and Air/Water Syringe including isolation techniques.

6. **COURSE CONTENT:**
   **Lecture Content:**
   1. Role of Dental Assistant in Office
      - A. Front office assistant
      - B. Clinical/Chairside assistant
      - C. RDA vs. DA roles & duties
      - D. Places in the dental office
   2. Black's Cavity Classifications
      - A. 6 classifications
      - B. Areas of cavity in tooth enamel
   3. Clinical and Periodontal Charting
      - A. Clinical vs. Perio Charting
         - a. Uses
      - b. Indications vs. Contraindications
         - c. Importance of color coding
      - B. Treatment Planning
         - a. Intra and Extra Oral examinations
b. Charting documentations
c. Radiographs

C. Health History
   a. Dental and Medical
   b. Importance of a Need

Lab Content:
1. Clinical and Periodontal Charting
2. Importance of color coding
3. Treatment Planning
   A. Intra and Extra Oral examinations
   B. Charting documentations
   C. Radiographs
   D. Health History
      a. Dental and Medical
      b. Importance of a Need
4. Dental Treatment Room Preparation
   a. Importance / relevance
   b. Wipe vs. Spray-Wipe-Spray
   c. Seat and Greet patient
   d. Dismissing the patient
   e. Placing patient napkin on patient

A. Instrumentation
   a. Types
   b. General vs. Specialized
   c. Hand cutting
   d. Rotary: dental hand pieces

B. Moisture Control Techniques
   a. Use of HVE
   b. Use of Saliva Ejector
   c. Use of Air/Water Syringe
   d. Cotton roll technique
   e. Dry angle technique
   f. Rubber dam usage
   g. Importance / relevance

C. Local Anesthetic Syringe
   a. Proper Set-up
   b. Parts of the syringe
   c. Anesthetic carpule
   d. Sharps container
   e. Safety techniques
   f. Proper disassembly of the syringe
   g. Proper disposal techniques

7. REPRESENTATIVE METHODS OF INSTRUCTION:
   Typical methods of instruction may include:
   A. Lecture
   B. Lab
   C. Other (Specify): hands on time at the dental chair, demonstrations by instructors, and practice with partners, videos, and overhead clinical experiences with charting.

8. REPRESENTATIVE ASSIGNMENTS
   Representative assignments in this course may include, but are not limited to the following:
   Reading Assignments:
      Reading assignments from the textbook and workbook
   Other Outside Assignments:
      Clinical competencies on lab skills

9. REPRESENTATIVE METHODS OF EVALUATION
Representative methods of evaluation may include:
A. Class Participation
B. Lab Activities
C. Quizzes
D. lab competencies, worksheet and workbook assignments, practical work, and final practical examination

10. REPRESENTATIVE TEXT(S):
Possible textbooks include:

**Origination Date:** October 2015
**Curriculum Committee Approval Date:** January 2016
**Effective Term:** Fall 2016
**Course Originator:** Beth LaRochelle