

A. GENERAL INFORMATION:

Program:	Dental Hygiene
Course:	Orthodontics
Course Number:	111-623-AB
Day(s) and Time:	Theory: Friday 9:00-10:00 Laboratory: Friday 10:00-12:00 or 12:30-2:30
Classroom Number:	SE-222
Ponderation:	1-2-2
Credits:	2
Competency:	Terminal competency 00LN, concurrent 00LD, 00LP Reinvesting 00LM and 00LQ
Prerequisites:	All fifth semester Dental Hygiene courses
Semester:	Winter 2016
Teacher's Name:	Christine Fambely
Office, Telephone & Email:	SE-217, 514-457-6610 (5232) or MIO
Office Hours:	As posted or by appointment

Note: *This course uses chemicals as part of its normal teaching practices. If any student has experienced an allergic reaction in the past to any particular chemical or chemicals, she/he must inform the instructor.*

B. INTRODUCTION:

By the end of this course the student will be able to ***contribute to orthodontic treatments*** as outlined by competency 00LN. The student will also be able to take part in the prevention of malocclusion, contribute to the preparation of a case study, use techniques related to orthodontics, develop a personalized oral hygiene program, trace a cephalometric radiograph, and document the information in the client file. The student will also be able to demonstrate this competency using knowledge and skills that have previously been acquired in other courses and those running concurrently; Clinic III and Integration into the Workplace. The objectives and standards included in this course are included in the table below.

- 00LN *Contribute to orthodontic treatments*
- 00LD *Produce radiographs of the oral cavity*
- 00LP *Perform restorative dentistry*
- 00LM *Perform procedures related to prosthodontics*
- 00LQ *Intervene in the area of preventive dental health*

A detailed profile of the course outcome is summarized in the table below.

This course incorporates evidence-based practice: an approach where clinical expertise is blended with the highest quality research while taking into account the client’s needs and preferences. The students will use evidence-based practice in all aspects of the course.

Comprehensive Assessment

The **Comprehensive Assessment (CA)** requires graduating students to demonstrate the integration of acquired competencies within the Dental Hygiene program. In order to graduate, the student is required to successfully complete the fifteen elements of the CA during the fifth and sixth semesters. **Orthodontics is part of the CA. In order to graduate, students are required to successfully complete all the elements of competency related to Orthodontics listed in the CA document. See Comprehensive Assessment addendum.**

D. EVALUATION PLAN:

1. Theory:	45%	Ministerial Objectives
Test 1 (Week 6)	10%	1, 2, 5
Test 2 (Week 10)	15%	1, 2, 3, 4
Test 3 (Week 14)	20%	1, 2, 3, 4, 6
2. Laboratory	55%	
* Photographs: Intra & Extra Oral (Week 7)	5%	2
Study Models (Schedule time with instructor)	10%	2
* Cephalogram tracing (3 different tracings) (Week 7)	10%	5
Identification of Ortho Appliances (Week 10)	5%	3
Orthodontic Prescription (standard representation of a client) (Week 14)	10%	3
Motivational/Educational Tool (Week 15)	15%	1, 4
Total	100%	

Final course competency assessment is incorporated within the theory and laboratory sections of course evaluation. The student will successful take part in the prevention of malocclusion, contribute to the preparation of a case study, use techniques related to orthodontics, develop a personalized oral hygiene program, trace a cephalometric radiograph, and document the information in the client file, in order to demonstrate his/her competency to ***contribute to orthodontic treatments 00LN***.

The student must attain a passing grade (60%) in EACH of the evaluation sections theory and laboratory in order to pass the Orthodontics course; if not, a maximum grade of 55% will be given.

The evaluation for the written portion of the assignment “Motivational/Educational Tool” will follow the Dental Hygiene Department Evaluation for Written Assignments and Dental Hygiene Department Guidelines for Papers: Modified A.P.A. Style. These documents will be found under “Course Information” for each course on the Léa portal.

For late assignments, there will be a 5% deduction in the assignment grade for every day the assignment is late. It is the responsibility of the student to keep all assessed material for at least one month passed

Grade Review Deadline should they request a Grade Review.

Comprehensive Assessment (CA):

The * indicates a component of the Comprehensive Assessment for which a passing grade of 60% is mandatory.

E. COURSE CONTENT: (tentative schedule)

Date	Content to be Covered	Reading Material
Week 1 Jan. 22	Course Outline, Malocclusion Lab: Review Malocclusion, cephs	Unit 1
Week 2 Jan. 29	Radiographs – Landmarks and Photographs Lab: Record Taking	Unit 3 (p. 5-9, 13-19 & 28)
Week 3 Feb. 5	Study Models (completed during semester – 10%) and Radiographs – Planes Lab: Record Taking / Use of Whip-Mix	Unit 3 (pages 21-25, 28)
Week 4 Feb. 12	Radiographs - Angles (cephs) Lab: Record Taking	
Week 5 Feb. 20	Educating the client Lab: Record Taking	Unit 5
Week 6 Feb. 26	Test 1 - 10% Guest speaker: Dental Hygienist from Ortho practice) Lab: Record Taking (Last date for photos – 5% and ceph tracings – 10% to be handed in)	
Week 7 Mar. 11	Treatments: Preventive, Interceptive & Corrective Lab: Identification of appliances & Motivational Tool	Unit 2 (pages 5-17) Unit 4 (pages 4-13)
Week 8 Mar. 18	Removable and Fixed appliances Lab: Identification of appliances & Motivational Tool	Unit 2 (pages 24-27) Unit 4 (pages 52-54)
Week 9 Apr. 1	(March 25 - Good Friday-no class) Removable and Fixed Appliances Lab: Identification of appliances& Motivational Tool	Unit 2 (pages 28-32)
Week 10 April 8	Test 2 - 15% AND Appliance ID for Lab - 5% Corrective Orthodontics Lab: Placing Separators and Brackets	Unit 2 (pages 16-27) Unit 4 (pages 3-9)
Week 11 April 15	Brackets Lab: Placing Brackets	Unit 4 (omit 71-77)
Week 12 April 22	Wires and Elastics Lab: Placing Brackets, Wires and Ligatures	Unit 4 (pages 61,62,68-70)
Week 13 Apr 29	Treatment Completed Lab: Placing Brackets, Wires and Ligatures	Unit 4
Week 14 May 6	Test 3 - 20% Lab Test – Placing brackets with prescription – 10%	
Week 15 May 10	Show and Tell of Motivational Tool Motivational Tool to be handed in with written	

	assignment - 15% Guest speaker: Dental Hygienist from Ortho practice (Tuesday – as a Friday Schedule)	
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NOTE: There will be no rescheduling of the ‘Final Exam’ for any individual. Therefore should any travel arrangements need to be booked do so only after the Final Exam Schedule is posted by the Registrar.

F. REQUIRED TEXT and COURSE COSTS in ADDITION to TEXTS:

Orthodontic Module Steering Committee (2013). *Orthodontic Module: A Theory and Clinical Course for Registered Dental Hygienists and Registered Dental Assistants.*, Alberta, Ca

Approximately \$ 20.00 plus tax

Course pack: **Approximately \$ 20.00** plus tax

Course cost: **Approximately \$ 204.00** plus tax – All to be paid at Bookstore