

A. GENERAL INFORMATION:

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| Program: | Dental Hygiene |
| Course: | Prevention I |
| Course Number: | 111-114-AB |
| Day(s) and Time: | Theory: Wednesday 11:30-13:30 Laboratory: Friday 8:30-10:30, 10:30-12:30, 13:30-15:30 |
| Classroom Number: | SE 222 |
| Ponderation: | 2-2-2 |
| Credits: | 1 2/3 |
| Competencies: | Intermediate competencies: 00L7, 00L8, 00L9, 00LC, 00LE, 00LF, 00LG, 00LJ, 00LQ, |
| Semester: | Fall 2016 |
| Teacher's Name: | Catherine McConnell |
| Office Number: | SE-215 |
| Telephone & Email: | 514-457-6610 (5196), catherine.mcconnell@johnabbott.qc.ca 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 allergic reactions in the past to any particular chemical they must inform the instructor.

B. INTRODUCTION:

As an oral health care provider and educator, the dental hygiene practitioner must have a comprehensive and practical understanding of the products and procedures required to design and provide evidence based client centered oral health care plan. This course provides the future dental hygienist with the knowledge and skill required to successfully assess the client needs, choose the ideal product, educate and guide the client in their individual oral self-care regime.

In this course the student will be able to ***explain the application of preventive methods and measures in relation to oral health***, as an intermediate step towards the mastery of competency 00LJ ***educating preventive measures in relation to oral health***.

The student will demonstrate this competency while linking skills and knowledge from the following competencies: The following program competencies will be further developed:

00L7 *Apply standard precautions.*

00L8 *Apply health and safety measures.*

00L9 *Perform administrative tasks in relation to job environment.*

00LC *Detect oral diseases.*

00LE *Be able to communicate in a professional manner with the client and the work team.*

00LF *Establish connections between nutrition and oral health.*

00LG *Develop a preventive treatment plan.*

00LJ *Educate the client preventive measures in relation to oral health.*

00LQ *Intervene in the area of preventive dental health.*

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.

A detailed profile of the course outcome is summarized in section C: Course Objectives.

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.

D. EVALUATION PLAN:

| Theory: 55% of total | Value | Ministerial Objectives |
|--|--------------|-------------------------------|
| Quiz #1 (week 4) | 10% | 1,5 |
| Case Research paper (week 10) | 15% | 1,2,3,5 |
| Case Presentation (as scheduled with instructor) | 10% | 1,2,3,5 |
| Final Exam (during exam week) | 20% | 1,2,3,4,5 |
| Lab: 45% of total | | |
| Quiz #2 (week 8) | 10% | 1,2,3,5 |
| Lab Portfolio (week 15) | 10% | 1,2,3,4,5 |
| Prevention Kit assignment (week 15) | 10% | 1,2,5 |
| Lab Exam (week 14) | 15% | 1,2,3,4,5 |
| Total | 100% | |

The student must attain a passing grade **60%** in **EACH** of the evaluation sections (theory & lab.) in order to pass the Prevention I course; if not, a maximum grade of **55%** will be given. For late assignments there will be a 5% deduction in the assignment grade for every day the assignment is late.

E. COURSE CONTENT:

| WEEK | LECTURE | LAB |
|---------------------|--|---|
| 1 AUG 24 | Welcome- Introduction- Course information review. | Preparation Tooth Brushing. |
| 2 AUG 31 | PPD Ch.1- Intro to Primary Preventive Dentistry. Wilkins Ch.1- The Professional Dental Hygienist (p.3-8) | Saliva PH test & Disclose plaque biofilm. Floss technique(self care) |
| 3 SEPT 7 | PPD Ch. 2- Cultural Health Influences, Ch. 3- Dental Hygiene Science, Ch.17- Nutrition, Diet and Associated Oral Conditions. Wilkins Ch. 35. | Chocolate cookie experiment PH - Disclosing plaque biofilm. |
| 4 SEPT 14 | QUIZ #1 Ch. 1,2,3,17 (10%) PPD Ch.12 - Interdental Care (p. 163-181). Wilkins Ch.29. | Interdental Care Floss Technique on Peer- Disclose |
| 5 SEPT 21 | PPD Ch.4- Dental Plaque Biofilm. Wilkins Ch.15- Dental Biofilm & soft Deposits, Ch.21- Calculus. | Microscope Microscopic view of oral bacteria. Disclosing plaque biofilm. |
| 6 SEPT 28 | PPD Ch.6- Periodontal Diseases (p.70-71), Ch. 12- Oral Malodor (p.186-188). Wilkins Ch 23- Indices. | Oral Malodor lab Tongue Cleaning –Disclose-Floss Peer |
| 7 OCT 5 | PPD Ch.5- Carious Lesions. Wilkins Ch. 27- Prevention and Control of Dental Caries. | PH-GC Saliva buffer test- Caries Risk Test (CRT)- Disclose |
| 8 OCT 12 | PPD Ch.14- Community Water Fluoridation, Ch.15- Topical Fluoride Therapy. Wilkins Ch.36. Fluorides. | QUIZ #2 Ch.4-5-6 (10%) Fluoride demo |
| 9 OCT 19 | PPD Ch. 10- Toothbrushes & Tooth brushing methods. Wilkins Ch.28. Guest Speaker | Toothbrush Design and Brushing Techniques Disclose- Floss Peer |

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| 10 OCT 26 | PPD Ch.11- Dentifrices, Ch.12- Oral Rinses (p.182-183) Wilkins Ch.30, Ch. 44- Dentin Hypersensitivity <i><u>Guest Speaker</u></i> | Toothpaste Analysis Disclose- Floss Peer |
| 11 NOV 2 | <i><u>Guest Speaker</u></i> | Oral rinse Analysis Disclose- Floss Peer |
| 12 NOV 9 | <i><u>Guest Speaker</u></i> | Power Operated Toothbrushes Disclose- Floss Peer |
| 13 NOV 16 | Case presentations <i><u>Guest Speaker</u></i> | Water and Air Flossers Disclose- Floss Peer |
| 14 NOV 23 | Case presentations <i><u>Guest Speaker</u></i> | LAB EXAM (15%)-Comprehensive Weeks 1-12 |
| 15 Nov 30 | Case presentations Last class- Papers Due-Portfolio Due | Prevention Kit presentation |

FINAL EXAM DURING EXAM WEEK

F. REQUIRED TEXTS and COURSE COST:

Harris, N.O., Garcia- Godoy, F., Nathe, C. N. (2014). *Primary Preventive Dentistry*. (8th Ed.). Upper Saddle River, NJ: Pearson Prentice Hall. **Approximately \$125.80 plus tax.**

Wilkins, E.M. (2016). *Clinical Practice of the Dental Hygienist*. (12th Ed.). Philadelphia, PA: Wolters Kluwer:Lippincott, Williams and Wilkins. **Approximately \$162.95 plus tax.**

Course Materials: Attained through the JAC Bookstore. **Approximately \$120.00 +tax.**