MONROE COMMUNITY COLLEGE

Department of Health Professions

Dental Studies

DEN 121
DENTAL RADIOGRAPHY II

Course Outline
Spring 2007
COURSE TITLE: DEN 121 Dental Radiography II

SEMESTER: Spring 2007

PROFESSOR: Mrs. Nancy Rivaldo, Professor

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REQUIRED TEXT: Haring & Lind, "Radiographic Interpretation for the Dental Hygienist" Langland, Langlais, Preece, "Principles of Dental Imaging" (last semester's book) and Radiography Manual

COURSE DESCRIPTION: Continuation of Dental Radiography I. Anatomical landmarks; deviations from normal; evaluation of radiographs. Extra and intra oral projections. Spring semester only.

Prerequisite: Completion of all previous semester dental studies courses with passing grades and passing grades in appropriate BIO courses.

RELATED PROGRAM COMPETENCIES:
(Bolded portions apply to this course)
1. The graduate will be able to apply a professional code of ethics in all endeavors using the highest professional knowledge and ethical principles within the context of the New York State Dental Hygiene Practice Act.
2. The graduate will collect, analyze and record data on the general, oral, and health status of patients using methods consistent with medical and legal principles.
4. The graduate will provide individualized care (and be prepared to manage medical emergencies) that include accepted infection control procedures, educational, preventive, therapeutic and referral services to assist the patient in achieving and maintaining optimal oral health.
5. The graduate will evaluate the effectiveness of educational, preventive, therapeutic and referral services and modify those services if necessary to assist the client in achieving and maintaining optimal health.

Respect for self and others in words and deeds
Responsibility for one’s own success through personal accountability
Reality of the expectations and standards in a college environment
COURSE OBJECTIVES: Upon successful completion of this course the student should be able to:

- demonstrate selection of appropriate radiographic surveys, film types, duplicating, and record keeping
- complete diagnostically acceptable intraoral radiographic surveys for bitewings, periapicals (paralleling and bisection angles) and occlusals
- discuss panoramic radiography and other extraoral radiographic techniques
- complete a diagnostically acceptable extraoral radiographic survey for panoramic
- demonstrate proper mounting and labeling procedures
- demonstrate viewing techniques and principles of interpretation
- identify the appearance of normal radiographic landmarks, artifacts, and shadows
- identify the radiographic appearance of basic disease processes of teeth and supportive structures
- identify and discuss the legal and ethical issues related to dental radiography

Other Supplies Needed: Pen flashlight, probe, magnifying glass

Department Policies

Pregnant Students: According to New York State Sanitary Code, Chapter 1 - Part 16:53, dated April 18, 2001, the student/employee has the right to decide whether to declare her pregnancy or not. This written declaration must be voluntary and can be withdrawn at any time.

Pregnant Patients: Inquire about possible pregnancy. DO NOT expose any radiographs if patient is pregnant.

All other patients: Must be shielded with lead apron and thyroid shield for intraoral exposures, and shoulder lead apron for panoramic.

NOTE: Complete medical and dental histories must be done on all patients before exposing any radiographs.

NOTE: Must adhere to policies and procedures outlined in Radiography Manual.

Specific Competencies:

Will be listed under each lecture topic.

Grades and Evaluation for Lecture and Laboratory:

Both lecture and lab must each be passed.

In the event that a student obtains less than a C grade in either the lecture portion or the lab portion, the final grade recorded for the course shall be a "C-", "D+", "D", "D-" or "F" grade. This final grade will be determined by the portion of the course that was less
than a "C" grade. Failure to complete x-ray requirements will result in an "F" for the course.

NOTE: Students responsible for:
Making up missed quizzes within three days after the quiz is given. Students must notify the instructor. Automatic "0" if not made up in three days. Each student is only allowed one make-up quiz.

In the event of instructor illness, security officers will post an official “Notice of Cancellation” on the classroom door prior to start of class. Exams scheduled for such a day, or assignments due on such a day, will be considered rescheduled for the next scheduled meeting of class.

EMAIL
Student e-mail is available. I will use lecture, lab and e-mail as vehicles of communication for general class announcements. Please note that I check my account once a day, Monday through Friday, during scheduled class days. I do not check my account on a regular basis during College recess. I will not use e-mail at this time for assignments.

LECTURE: 60% of final grade
1. Quiz and test average 60%
   (minus one (-1) will be deducted for each incorrect spelling of dental terminology)
2. Final examination 40%

LAB: 40% of final grade
1. 2 CRS on Dexter - pass/fail
   1 - Rinn with tab BWX
   1 - BSA with snap-a-ray and vertical BWX
2. Demonstrate correct patient positioning for panoramic radiograph - pass/fail
3. 2 occlusal films - pass/fail (Dexter)
4. Film duplicating (CRS or BWX) - pass/fail
5. Radiographic Interpretation Exercises - bone evaluation and decay - pass/fail
6. 5 sets of BWX on patients - tab technique - 40%
7. 2 CRS paralleling technique on patients - 30%
8. One panoramic survey on a patient - pass/fail
9. Lab Final - 30%

All students must register for the web-enhanced coursespace DEN 121- Dental Radiography II. The web-enhanced learning environment coincides with the on-campus classroom activities. Each module is sequenced with the classroom topics. See Reading Assignments on hard copy course outline. Each module includes the classroom Powerpoint presentation. Please read the Course Information Document: Course Learning Activities to better utilize each document in each module. You may print any document or material you so desire. Coursespace website: http://sln.suny.edu/commons.
The Powerpoint presentations and the video, Basic Dental Radiography, used in lab are available on E-reserve. Use the following path beginning with the MCC Web page:

- Quick Link
- Libraries
- Access E-Reserves
- E-Reserves
- Dental Hygiene
- Rivaldo
- Go/Search
- DEN 111
- Password
- Accept

PORTFOLIO
Your portfolio highlights your personal accomplishments in the Dental Studies Program. Your data gathering began in the first semester and continues to the last semester. The following outlines how you are to include the radiography in your portfolio. For this semester, select a CRS including BWX for which you have taken both. Duplicate the survey. The duplicated radiographs, with patient name OMITTED, are to be included in your portfolio. OMIT patient name. Considerations: (1) select the survey that demonstrates the best technique (i.e. film placement, horizontal angle, vertical angle, etc.), (2) the highest grade survey may not show the best technique if points were lost for not following protocol. All duplicating may be done during x-ray lab time. If you have questions or clarification is needed you may use your private folder and/or x-ray lab time to further discuss.

DENTAL STUDIES LEARNING CENTER
Activities will be provided in the Dental Studies Learning Center. These activities will include slides, videos, radiographic manuals and exercises designed to enhance your understanding of the lecture and laboratory subject matter.

ABSENCE POLICY
Each student will be allowed (2) two hours of absence from lecture, with or without written excuse. After a student surpasses the (2) two hours, (2) two points will be deducted from the final lecture grade for each additional hour of absence. A student who is more than 15 minutes late for class is considered absent.

NOTE: All requirements must be completed week 14. No requirements will be accepted the last week of classes. Technique grade is based on the first two CRS completed and the first five BWX sets completed. No extra credit is given for any additional x-rays. After completion of requirements, however, points will continue to be deducted from technique grade for failure to follow protocol and correct submission forms.

Radiographic surveys returned to you for follow through must be returned within 3 days. Failure to do so will result in a full point reduction from the survey grade. If requirements are complete the deduction will be taken from current grade.

PLEASE NOTE THE FOLLOWING RELATIVE TO RADIOGRAPHY LAB PERFORMANCE AND GRADING:
NOTE: Student must demonstrate appropriate technique and produce acceptable Dexter x-rays before student will be permitted to take x-rays on patients. Student must demonstrate correct patient positioning for panoramic survey before permitted to take on patient.

LAB ATTIRE: When exposing radiographs on patients, all students are required to wear complete uniform, gloves, mask and eye wear. All students will be expected to adhere to the clinic dress code in radiography labs. Student must be prepared at all labs to expose radiographs even though they may not have any regularly scheduled patients.

LAB ABSENCE POLICY: Each student will be permitted two (2) lab absences with or without excuses. For each lab absence that surpasses the (2) two allowable absences, (2) two points will be deducted from the final lab grade. A student who is more than 15 minutes late for lab is considered absent. Due to maximum lab enrollment it is impossible to make-up a missed lab.

INCIDENT REPORT: An incident report will be issued by the faculty to a student --
   a) Whose professionalism/teamwork does not meet the expected standards for the course;
   b) Who fails to implement safe care as evidenced by lack of knowledge or physical skill, poor judgment, omission of procedures or commission of errors.

This report will be completed by the faculty and reviewed with the student. A plan for problem remediation will be developed by the student and faculty member. Both parties will sign the Incident Report. Two copies of the Incident Report will be made. One copy is placed in the student's permanent file. Any student accumulating three (3) Incident Reports fails the course.

Please refer to the MCC Catalog and Radiography Manual for the following:

MCC Catalog
** Withdrawal Policies
   Academic Honesty
   Learning Center Referral
   Emergency Closings

Radiography Manual
* Grading System
   Radiography Procedures
   Infection Control/Sterilization Duties
   Forms Used

* Reminder: A minimum grade of “C” is required in all Dental Hygiene courses for continuation in the Dental Hygiene Program.
**NOTE:** Students wishing to withdraw should consult the College Handbook and follow MCC policy. Simply stopping attendance in class usually results in an "F". Health issues should be discussed with MCC Health Services in consideration of a withdrawal for health reasons. Financial aid issues and/or status relative to withdrawal should be discussed with Financial Aid Services.

*LEARNING CENTER REFERAL*
MCC has a number of Learning Centers at Brighton (for example, Accounting, Math, Nursing, Psychology, Writing, the Electronic Learning Center, Interdisciplinary Programs, which includes Foreign Languages, etc.) and at Damon (the Integrated Learning Center).

Learning Centers are staffed with instructional personnel and may be equipped with computers to assist students. It is recommended that students use these Learning Centers to get additional assistance with concepts learned in the classroom.

Information is available online or a brochure with details is available at:

- Brighton – the Brighton Learning Center, Bldg. 11 Room 106
- Damon – the Damon Integrated Learning Center in 4-130 and the Student Services Office on the fifth floor.

**EMERGENCY CLOSINGS**
If the College is closed due to inclement weather or some other emergency, all Rochester area radio and television stations will be notified no later than 5:30 a.m. In addition, the homepage on the MCC website (www.monroec.edu) will display a message indicating the College is closed. Please do not call the College to avoid overloading the telephone lines.

Class cancellations information is available daily on the web or through the telephone. Simply go to the MCC website (www.monroec.edu) and under the “Quick Links” window on the homepage, click on “Class Cancellations”. Additionally, class cancellation information is available by dialing 585.292.2066, press “1” for the Brighton Campus and “2” for the Damon Campus. If possible, please use the web as there could be delays in the voice recordings based on the number of cancellations.

**ACADEMIC HONESTY POLICY**
You may review that policy in the MCC Catalog and Student Handbook. Should you not have a copy of that catalog, you may contact our Admissions Office at 585.292.2200 they will send you one, or you may request one from the College’s web site at www.monroec.edu.