



APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of Lexington Community College Date 1/7/2004
Department/Division offering course Dental Laboratory Technology/NSHT
2. Changes proposed:
 - (a) Present prefix and number DN 142 Proposed prefix and number no change
 - (b) Present Title Occlusion II
New Title Occlusion
 - (c) If course title is changed and exceeds 24 characters (including spaces), include a sensible title (not to exceed 24 characters) for use on transcripts:

N/A
 - (d) Present credits: 2 Proposed credits: no change
 - (e) Current lecture: laboratory ratio 1:3 Proposed: no change
 - (f) Effective Date of Change: (Semester & Year) Spring 2005
3. To be Cross-listed as N/A _____
(Prefix and Number) (Signature: Dept. Chair)
4. Proposed change in Bulletin description:
 - (a) Present description (including prerequisite(s):
Occlusal therapy, treatment of temporomandibular joint disorders, appliance therapy, anterior/posterior relationships and theories of occlusal rehabilitation are discussed in this course. Also included in this course is information regarding infection control in the dental laboratory. Lecture, one hour; laboratory, three hours. Prerequisite DN 141.
 - (b) New description:
Theories of occlusion; interarch and intraarch relationships; the temporomandibular joint and its movements; articulators, interocclusal records, and face-bow transfer; occlusal schemes; and restorative considerations in occlusal therapy are discussed and/or put to practical application in this course. Lecture, one hour; laboratory, three hours.
 - (c) Prerequisite(s) for course as changed:
Admission into the Dental Laboratory Technology Program.
5. What has prompted this proposal?
In an effort to create a more efficient program, DN 141 is being dropped, redundancies eliminated, and necessary material will be included in DN 142. The infection control component of DN 142 is being moved to DN 112 Dental Materials II where is it more appropriate for that content. Occlusal appliance therapy has been deleted as it is no longer required by the American Dental Association Commission on Accreditation.

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6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:

CURRENT COURSE COMPETENCIES:

Upon satisfactory completion of the course the student will be able to:

1. Discuss various occlusal contact schemes and their applications.
2. Describe restorative considerations in occlusal therapy.
3. Discuss general considerations in the treatment of temporomandibular joint disorders.
4. Discuss occlusal appliance therapy.
5. Describe the infection control procedures relative to a dental laboratory.
6. Fabricate an occlusal appliance.
7. Manipulate wax in the development of occlusal anatomy utilizing a variety of occlusal contact schemes.

PROPOSED COURSE COMPETENCIES:

Upon satisfactory completion of the course the student will be able to:

1. Describe various theories of occlusion.
2. Discuss various occlusal contact schemes and their applications.
3. Describe the anatomy and physiology of the temporomandibular joint.
4. Analyze the interrelationships of the temporomandibular joints and mandibular movement as determinants of occlusal morphology.
5. Identify differing types of articulators, their uses and their limitations.
6. Discuss the utilization of a face-bow transfer and interocclusal records.
7. Describe restorative considerations in occlusal therapy.
8. Manipulate wax in the development of occlusal anatomy utilizing a variety of occlusal contact schemes.

7. What other departments could be affected by the proposed change?

The only department affected in the Dental Laboratory Technology program.

8. Will changing this course change the degree requirements in one or more programs?

No Yes (If yes, attach an explanation of the change.)*

9. Is this course currently included in the University Studies Program? No Yes (If yes, please attach correspondence indicating concurrence of the University Studies Committee.)

10. If the course is a 100-200 level course, please submit evidence (e.g. correspondence) that the Community College System has been consulted.

This course is part of a curriculum offered only through Lexington Community College.

11. Is this a minor change? No Yes (NOTE: See the description on this form of what constitutes a minor change. Minor changes are sent directly from the Dean of the College to the Chair of the Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)

12. Within the Department, who should be consulted for further information on the proposed course change?

Name: Robin Gornto, Program Coordinator Phone Extension: 4086

Signatures of Approval:

Department Chair: Gregory A. Zoll Date: 1-26-04

^{President}
Dean of the College: 6/1/04 Date: 3-11-04

Date of Notice to the Faculty: _____

Undergraduate Council: _____ Date: _____

Graduate Council: _____ Date: _____

Academic Council for the Med. Ctr: _____ Date: _____

Senate Council: _____ Date of Notice to Univ. Senate: _____
(Chair)

ACTION OTHER THAN APPROVAL: _____

Adopted: September, 1989

The Minor Change route for courses is provided as a mechanism to make changes in existing courses and is limited to one or more of the following:

- a. change in number within the same hundred series;
- b. editorial change in description which does not imply change in content or emphasis;
- c. editorial change in title which does not imply change in content or emphasis;
- d. change in prerequisite which does not imply change in content or emphasis;
- e. crosslisting of courses under conditions set forth in item 3.0;
- f. correction of typographical errors. [University Senate Rules, Section III - 3.1]

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR
Additional Information on CCS Forms

1. Course Outline: (Two-level outline required)

CURRENT COURSE OUTLINE:

- I. Cusp-Fossa and Cusp-Marginal Ridge Schemes of Occlusion
 - A. Relationship of axial loading to each
 - B. Differences of each type
- II. Restorative Considerations in Occlusal Therapy
 - A. Restorative operative procedures
 - B. Restorative fixed procedures
- III. General Considerations in the Treatment of Temporomandibular Joint Disorders
 - A. Disorders
 - B. Causes of disorders
 - C. Treatments
- IV. Occlusal Appliance Therapy
 - A. Uses
 - B. Types
 - C. Goals
 - D. Fabrication techniques
- V. Infection Control
 - A. OSHA bloodborne pathogen standard
 - B. Immunizations
 - C. Diseases of concern in dentistry
 - D. Modes of transmission
 - E. Standard precautions
 - F. Cross contamination
 - G. Personal protective equipment
 - H. Disinfection and sterilization
- VI. Technique Development
 - A. Wax a variety of occlusal contact schemes
 - B. Fabricate an occlusal appliance

PROPOSED COURSE OUTLINE:

- I. Theories of Occlusion/Occlusal Interferences
 - A. Mutually protected
 - B. Bilaterally balanced
 - C. Unilaterally balanced
 - D. Occlusal interferences
- II. Tooth Contacts
 - A. Occlusal table
 - B. Tooth to two teeth
 - C. Tooth to tooth
 - D. Angle's Classes of Malocclusion
- III. Temporomandibular Joint
 - A. Skeletal structure
 - B. Muscles
 - C. Ligaments
- IV. Mandibular Movement
 - A. Axes and planes
 - B. Border movements
 - C. Functional movements

B. Rationale
N/A

7. For Inclusion on University Studies List: (A syllabus must be attached.)

A. Area
N/A

B. Course Competencies
N/A

C. Description of Writing Component
N/A

If a course has not been revised during the last five (5) years, the major change route must be used.

N/A