

MEMORANDUM

DATE: November 24, 2003

TO: Michael T. Nietzel, Provost
Deans, Department Chairs and Members of the University Senate

FROM: Sharon Turner, D.D.S., J.D.
Dean, College of Dentistry

RE: Curriculum Change Proposal

The Curriculum Committee, acting on behalf of the Faculty Council of the College of Dentistry, has approved and submits for your consideration and approval the application for the following course:

Major Course Change

The following course is a required course:

PRO 836 – Principles of Fixed Prosthodontics

Description of Course Change: Reduction of 15 contact hours. The change in contact hours will result in a reduction of one credit hour for the course.

Current Contact Hours: 45 lecture hours Proposed Contact Hours: 30 lecture hours

Current Credit Hours: 3 Proposed Credit hours: 2

Current Course Description: This course is a lecture series concerning diagnosis and treatment planning for fixed prosthodontics care and the principles of providing that care. The relationship of tooth restoration and replacements to occlusion, periodontics, orthodontics and removable prosthodontics in both treatment planning and treatment is emphasized. Lecture, 45 hours. Prerequisites: RSD 823, RSD 821, RSD 822, RSD 824; and /or consent of course director.

Proposed Course Description: This course is a lecture series concerning diagnosis and treatment planning for fixed prosthodontics care and the principles of providing that care. The relationship of tooth restoration and replacements to occlusion, periodontics, orthodontics and removable prosthodontics in both treatment planning and treatment is emphasized. Lecture, 30 hours. Prerequisites: RSD 823, RSD 821, RSD 822, RSD 824; and /or consent of course director.

Justification: An in-depth review of the course by the new course director has revealed that current lectures may be combined, condensed or even eliminated.

11. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.
12. Is this a minor change? Yes No
 (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.)
13. Within the Department, who should be consulted for further information on the proposed course change?
 Name: Dr. Fonda G. Robinson Phone Extension: 3-6324

Signatures of Approval:

Department Chair	Date
Dean of the College	Date
	Date of Notice to the Faculty
**Undergraduate Council	Date
**Graduate Council	Date
**Academic Council for the Medical Center	Date
**Senate Council	Date of Notice to University Senate

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.

**If applicable, as provided by the Rules of the University Senate.

ACTION OTHER THAN APPROVAL

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. cross-listing of courses under conditions set forth in item 3.0;
- f. correction of typographical errors. [University Senate Rules, Section III - 3.1]

PRO 836

Principles of Fixed Prosthodontics

SYLLABUS: Fall 2003 – Spring 2004

Minor Unit: Prosthodontics
Required Course
Starting Year/Semester: Fall
Ending Year/Semester: Spring
Credit Hours: 3.0

Course Director:

Fonda G. Robinson, DMD
Office: D-632C
Phone: 323-6324
E-mail: fgrobi2@email.uky.edu

**University of Kentucky College of Dentistry
Department of Oral Health Practice
Division of Prosthodontics**

Purpose

This course is a lecture series concerning diagnosis and treatment planning for fixed prosthodontics care and the principles of providing that care. The relationship of tooth

restoration and replacements to endodontics, occlusion, oral surgery, orthodontics, periodontics and removable prosthodontics in both treatment planning and treatment is emphasized.

Goals/Competencies

1. Diagnosis, Treatment Plan & Sequence: The student dentist will acquire the necessary knowledge to apply the principles of endodontics, fixed prosthodontics, periodontics, occlusion, oral surgery, orthodontics, and removable prosthodontics to accomplish planning for and treatment of patients.
20.01, 20.02, 20.03, 20.04, 20.05, 20.06, 20.07
2. Importance of Oral Health in Prognosis: The student dentist will appreciate that the principles of prevention of oral disease and, therefore, the prognosis of oral health as related to the thoroughness of diagnosis and the treatment planning includes establishment and maintenance of a healthy oral environment.
7.04, 20.01, 20.02, 20.03, 20.04, 20.05, 20.06, 20.07
3. Develop a Plan of Treatment: The student dentist is expected to be able to:
 - a. Procure records, including intra- and extraoral radiographs, diagnostic casts, and medical, dental and socioeconomic histories.
 - b. Diagnose, evaluate and correlate these records in order to identify abnormal physical and/or diseased states requiring restoration by fixed prosthodontic means.
 - c. Recognize the need for correlation of emergency treatment, preventive dentistry and treatment in other clinical areas. Provision must be made for both patient education and recall and for maintenance and repair. The prognosis of the treatment plan should be discussed with the patient prior to implementation.
7.04, 20.01, 20.02, 20.03, 20.04, 20.05, 20.06, 20.07

Outcomes

At the completion of this course, the student dentist is expected to be able to:

1. Diagnose and develop a treatment plan for patients with missing teeth or mutilated coronal portions of teeth.
2. Know how and when to consult with other health professionals and plan the integration and sequence of the treatment with related clinical disciplines.
3. Determine aspects of the treatment plan he/she can deliver and those procedures that should be referred for specialty care.

Learning Resources

1. Fundamentals of Fixed Prosthodontics, 3rd edition, Shillingburg/Hobo/Whitsett/Jacobi, 1997.
2. Management of Temporomandibular Disorders and Occlusion, 5th edition, Okeson, 2003.
3. Contemporary Fixed Prosthodontics, 3rd edition, Rosenstiel/Land/Fujimoto, 2001.
4. *Clinical Guide for Fixed Prosthodontics*, Robinson, Timmons, 2003-04.

5. Any additional reading assignments from the dental literature including but not limited to (on reserve in the Restorative/Prosthodontics Office D632):
- Benedict R, Goldstein GR. New paradigms in prosthodontic treatment planning: A literature review. J Prosthet Dent 2002;88:208-14.
 - Malament KA. Prosthodontics: Achieving quality esthetic dentistry and integrated comprehensive care. JADA 2000;131:1742-1749.
 - Turner KA, Missirlian DM. Restoration of the extremely worn dentition. J Prosthet Dent 1984; 52:467-474.
 - Aquilino SA, et.al. Ten-year survival rates of teeth adjacent to treated and untreated posterior bounded edentulous spaces. J Prosthet Dent 2001;85:455-60.
 - Hildebrandt GH., et.al. Functional units, chewing, swallowing, and food avoidance among the elderly. J Prosthet Dent 1997;77:588-95.

Evaluation Methods Overview

a. Grading Scale

A = (90-100%) Represents an exceptionally high level of performance

B+= (85-89.9%) Represents a high level of performance

B = (75-84.9%) Represents the expected level of performance

C = (70-74.9%) Represents a marginal level of performance

E = (69.9% & ↓) Represents an unacceptable level of performance

To achieve an “A”, the student dentist must:

- Take and pass all written examinations with an average grade of 90%.
- Meet attendance requirement.
- Completion of Examination and Diagnosis assignment.
- Active participation in the problem based learning treatment planning session and completion of treatment plan.

To achieve a “B+”, the student dentist must:

- Take and pass all written examinations with an average grade of 85-89.9%.
- Meet attendance requirement.
- Completion of Examination and Diagnosis assignment.
- Active participation in the problem based learning treatment planning session and completion of treatment plan.

To achieve a “B”, the student dentist must:

- Take and pass all written examinations with an average grade of 75-84.9%.
- Meet attendance requirement.
- Completion of Examination and Diagnosis assignment.

- Active participation in the problem based learning treatment planning session and completion of treatment plan.

To achieve a “C”, the student dentist must:

- Take and pass all written examinations with an average grade of 70-74.9%.
- Meet attendance requirement.
- Completion of Examination and Diagnosis assignment.
- Active participation in the problem based learning treatment planning session and completion of treatment plan.

Failure to meet the criteria listed under “C” will result in a failing grade.

b. Evaluation components:

- 15% Examination and Diagnosis Exercise*
- 15% Problem Based Learning Treatment Planning Session**
- 35% Mid-term Exam (written)
- 35% Final Exam (written)

* Each student dentist will be required to work within a small group to answer an assigned question related to examination and diagnosis. Each group will be required to produce a paper of 1-2 pages (double-spaced) in length and have a minimum of two references detailing the answer to the assigned question. In addition, the small group will be required to verbally provide this information to the class.

** Each student dentist has been assigned to one of 5 large working groups for problem based learning treatment planning sessions. Each student dentist within the group will receive a patient notebook containing clinical photographs, cast photographs, clinical charting and a description of history, chief complaint and clinical findings. Each student dentist will be responsible for reviewing the patient records and be prepared to discuss questions related to diagnosis and treatment planning for the assigned patient. Each student dentist will submit a written treatment plan at the beginning of the assigned treatment planning session.

c. Attendance Policy

Attendance is expected for the duration of each session. A sign-in sheet will verify attendance. Each unexcused absence will result in a 2% final grade reduction. Tardiness or early departures (without course director permission) will result in a 0.5 (one-half) point final grade reduction **per incident**.

Absences are either excused or unexcused:

Excused: These are for personal or immediate family illness, death of an immediate relative, religious observance, previously arranged official “Leave of Absence” or for the purpose of representing the school in an official capacity. Multiple missed days, consecutive or intermittent, due to personal or family illness will require written documentation of the illness by a physician. Documentation must be provided to the course director within 5 days upon return to school.

Unexcused: All absences, including tardiness and early departures, not identified as excused absences will be considered as unexcused absences. Unexcused absences from written examinations will result in a grade of zero. **The examination may not be retaken so this will result in failure of the course.**

Refer to “College of Dentistry Student Handbook” and “Student Rights and Responsibilities” should any questions arise.

d. Missed/Makeup exam policy

Any makeup of a missed written examination must be arranged with the course director and must be taken within 10 days of the missed examination provided that the absence is excused. There will be **no** make up of examinations with an unexcused absence. This will result in the failure of the course.

e. Policy for extra credit work

Extra points may be achieved in the following manner:

Turn in a properly trimmed cast and night guard vital bleaching tray by 8:00 am on Friday, December 5, 2003 using the method described in lecture. A student dentist may earn up to five bonus points for this project to be added to the final grade provided that the average final grade is not less than 70%. **There will be no bonus points awarded to a final course grade of 69.9% or below.**

Policy and Procedures

a. Office hours

The course director may be contacted via e-mail or through an appointment arranged by the divisional administrative assistant located in D632. The course director will communicate with you via e-mail. Therefore, it is your responsibility to check your e-mail.

b. Changing class times/exam

This course is structured such that it would be extremely difficult to achieve the outcomes of this course by the course deadline if class times or examination dates are changed. Favorable examination dates have already been arranged based on your examination dates in other courses. Rescheduling examination or class dates in other courses will **not** influence the rescheduling of examinations or class dates in this course.

c. Remediation

If a student performs at a 69.9% or ↓ on an examination, the examination must be retaken and successfully passed within 10 days of the original examination date. The maximum point score on a retake examination will be 70. It is the student's responsibility to schedule the retest. The time, date and place of the retake examination will be determined by mutual agreement of the student dentist and the course director. Retake examinations are for those students who receive failing grades only. Failure to pass the retake examination will result in failure of the course.

d. Cheating and Plagiarism

All activities in this course are conducted under the College of Dentistry Code of Professional and Academic Responsibility. The College has high expectations of each student concerning their professional and academic responsibilities including self-governance. If you have questions about expected standards of behavior, it is your responsibility to discuss and clarify these questions with the course director. A reference to this information may be found in the College of Dentistry Student Handbook.

e. Other

Final grades will not be issued until all patient documents utilized during treatment planning session and student/patient presentations have been returned to Dr. Robinson.

Session	Day	Date	Time	Room	Activity
1	W	11/12	8-9AM	MN 563	Introduction; Restorative Tx. Plan 5C Form - Read Fixed Clinic Manual (pgs. 3-6)
2	F	11/14	8-9AM	MN 563	Night guard vital bleaching
3	W	11/19	8-9AM		No lecture, do reading assignment*
4	F	11/21	8-9AM		No lecture, do reading assignment**
5	W	11/26	8-9AM		No lecture, do reading assignment***
6	W	12/03	8-9AM		No lecture, do reading assignment ****
7	F	12/05	8-9AM	MN 563	Diagnosis & Treatment Planning – Read Shillingburg Ch. 7 (pgs. 85-103)
8	W	12/10	8-9AM		No lecture, do reading assignment*****
9	F	12/12	8-9AM		No lecture, do research for Exam/ Diagnosis assignment
10	W	12/17	8-9AM		No lecture, do research for Exam/ Diagnosis assignment

11	F	12/19	8-9AM	MN 563	Diagnosis & Treatment Planning – Read Shillingburg Ch. 8 (pgs. 105-118)
12	F	1/9	8-9AM	MN 563	Examination & Diagnosis session
13	F	1/16	8-9AM	MN 563	Examination & Diagnosis session
14	F	1/23	8-9AM	D 645^	Group 1 Treatment Planning session
15	F	1/30	8-9AM	D 645^	Group 2 Treatment Planning session
16	F	2/6	8-9AM	D 645^	Group 3 Treatment Planning session
17	F	2/13	8-9AM	D 645^	Group 4 Treatment Planning Session
18	F	2/20	8-9AM	D 645^	Group 5 Treatment Planning Session
19	F	2/27	8-9AM	MN 563	MID-TERM EXAM
20	F	3/5	8-9AM	MN 563	Soft Tissue Management – Read Shillingburg Ch. 16 (pgs. 257-279)
21	F	3/12	8-9AM	NURS 115	Impression Making – Read Shillingburg Ch. 17 (pgs. 281-308)
22	F	3/19	8-9AM	MN 563	Provisional Restorations – Read Shillingburg Ch. 15 (pgs. 225-257)
23	F	3/26	8-9AM	MN 363	Shade Matching – Read Shillingburg Ch. 23 (pgs. 419 -431)
24	F	4/2	8-9AM	MN 563	Pontic design, soldering & connectors – Read Shillingburg Ch. 26 (pgs. 485-509) & Ch. 27 (pgs. 509-535)
25	F	4/16	8-9AM	NURS 115	Cementation – Read Shillingburg Ch. 22 (pgs. 400-418)
26	F	4/23	8-9AM	MN 563	Material Science – Read Shillingburg Ch. 24 (pgs. 433-434) Ch. 21 (pgs. 378-382)
27	F	4/30	8-9AM	MN 263	Pressable Ceramics (Dr. Frazer)
28	F	5/7	8-9AM	MN 263	Soldering (Dr. Frazer)
29	W	5/12	8-9AM	MN 363	FINAL EXAM

NOTE: Most Wednesday sessions are to be utilized for reading assignments, studying and activity preparation.

^ D 645 is the Restorative Conference Room located on the 6th floor.

Copies of these articles are on reserve in the Restorative Office D-632.

* Benedict R, Goldstein GR. New paradigms in prosthodontic treatment planning: A literature review. J Prosthet Dent 2002;88:208-14.

** Malament KA. Prosthodontics: Achieving quality esthetic dentistry and integrated comprehensive care. JADA 2000;131:1742-1749.

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***** Hildebrandt GH, et.al. Functional units, chewing, swallowing, and food avoidance among the elderly. J Prosthet Dent 1997;77:588-95.

EXAMINATION AND DIAGNOSIS EXERCISE

GROUP 1

1. Albrecht, Tyler
2. Atwood, Aaron
3. Baker, Kelly
4. Bauman, Rich
5. Becker, Damian
6. Brewer, Kevin
7. Carlson, Tyler
8. Carter, Daniel
9. Chinn, Lisa
10. Cox, Brandi
11. Crist, Todd
12. Falco, Joe
13. Grant, J.D.
14. Greenberg, Emily
15. Halpin, Jared
16. Coyle (Harmon), Abby
17. Harr, Jennifer

GROUP 2

1. Jensen, Brian
2. Johnson, Brad
3. Jones, Melissa
4. Joswick, Hanling
5. Justice, Colby
6. Kelley, Jill
7. Liford, Gina
8. Maciolek, Christy
9. Majors, Tim
10. McCatty, Mark
11. Morgan, Stacey
12. Nakada, Akira
13. Nelson, Kristin
14. Newcomb, John
15. Karen Parvin
16. Pepper, Kristy
17. Petrey, Joe

GROUP 3

1. Presler, Emory
2. Rice, Shera
3. Robinson, Adam
4. Ryckman, Mike
5. Segebarth, Suzanne
6. Shouldberg, Matt
7. Smith, Bobby
8. Takacs, Chris
9. Thompson, D.T.
10. Valentine, Angela
11. Venugopal, Nithya
12. Webster, Will
13. Wilhite, Rhonda
14. Williams, Nikki
15. Wise, Heather
16. Zartoshty, Dar

TREATMENT PLANNING GROUPS

GROUP 1

Albrecht, Tyler
Atwood, Aaron
Baker, Kelly
Bauman, Rich
Becker, Damian
Brewer, Kevin
Carlson, Tyler
Carter, Daniel
Chinn, Lisa
Cox, Brandi

GROUP 2

Crist, Todd
Falco, Joe
Grant, J.D.
Greenberg, Emily
Halpin, Jared
Coyle (Harmon), Abby
Harr, Jennifer
Jensen, Brian
Johnson, Brad
Jones, Melissa

GROUP 3

Joswick, Hanling
Justice, Colby
Kelley, Jill
Liford, Gina
Maciolek, Christy
Majors, Tim
McCatty, Mark
Morgan, Stacey
Nakada, Akira
Nelson, Kristin

GROUP 4

Newcomb, John
Parvin, Karen
Pepper, Kristy
Petrey, Joe
Presler, Emory
Rice, Shera
Robinson, Adam
Ryckman, Mike
Segebarth, Suzanne
Shuldberg, Matt

GROUP 5

Smith, Bobby
Takacs, Chris
Thompson, D.T.
Valentine, Angela
Venugopal, Nithya
Webster, Will
Wilhite, Rhonda
Williams, Nikki
Wise, Heather
Zartoshty, Dar