

JAN 29 2007

UNIVERSITY OF KENTUCKY
 APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

OFFICE OF THE
 SENATE COUNCIL

1. Submitted by College of Medicine Date 8/23/06
 Department/Division offering course Anatomy and Neurobiology

2. Changes proposed:
 (a) Present prefix & number N/A Proposed prefix & number ANA538
 (b) Present Title Human Neuroanatomy

New Title Dental Neuroanatomy

(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:

(d) Present credits: 1 Proposed credits: 1

(e) Current lecture: laboratory ratio 2:00:00 Proposed 17:00:00

(f) Effective Date of Change: (Semester & Year) Spring 2007

3. To be Cross-listed as: _____
 Prefix and Number _____ Signature: Department Chair _____

4. Proposed change in Bulletin description:

(a) Present description (including prerequisite(s)):
 A concise presentation of the functional organization of the human nervous system. Lecture: 2 hrs. Prereq: Admission to the College of Dentistry.

(b) New description:
 Study of human dental neuroanatomy with emphasis on functional neuroanatomy of central nervous system, especially related to cranial nerves 5, 7, 9, and 10, pain, and long tracts. Lecture 1 hr/week.

(c) Prerequisite(s) for course as changed: Admission to the College of Dentistry, or background in Biology with permission from Instructor.

5. What has prompted this proposal?
Dental gross anatomy (ANA 534) and dental neuroanatomy (ANA 538) were taught as separate courses until 2001, when they were integrated into one course as ANA 534. The current request is to separate these courses because many students are not devoting adequate attention to the neuroanatomy component of ANA 534, as it contributes to only 1 of the 6 credit hours of this course. By re-establishing dental neuroanatomy as its own 1 credit hour course (as ANA 538), the students will be held more accountable for their mastery of neuroanatomy because they will receive a letter grade for their performance in this course. Further, this will give better cohesiveness to the neuroanatomy materials in order to promote more effective learning.

6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
The neuroanatomical pathways will be deleted from ANA 534 and addressed in ANA 538. All other course content in ANA 534 will remain the same.

7. What other departments could be affected by the proposed change?
None

8. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky? Yes No

9. Will changing this course change the degree requirements in one or more programs? Yes No
 If yes, please attach an explanation of the change. (NOTE - If "yes," program change form must also be submitted.)


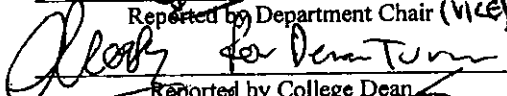
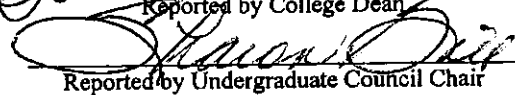
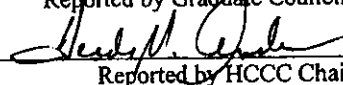
10. Is this course currently included in the University Studies Program? Yes No
 If yes, please attach correspondence indicating concurrence of the University Studies Committee.

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11. If the course is 400G or 500 level, include syllabi or course statement showing differentiation for undergraduate and graduate students in assignments, grading criteria, and grading scales. Check here if 400G-500.
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: Diane M. Snow, PhD Phone Extension: 3-2613

Signatures of Approval:

<p style="text-align: center;"><u>08/24/06</u> Date of Approval by Department Faculty</p> <p style="text-align: center;"><u>10/13/06</u> Date of Approval by College Faculty</p> <p style="text-align: center;"><u>12/12/06</u> *Date of Approval by Undergraduate Council</p> <p style="text-align: center;">*Date of Approval by Graduate Council</p> <p style="text-align: center;"><u>11/21/06</u> *Date of Approval by Health Care Colleges Council (HCCC)</p> <p style="text-align: center;">*Date of Approval by Senate Council</p> <p style="text-align: center;">*Date of Approval by University Senate</p>	<p style="text-align: center;"> Reported by Department Chair (Vice)</p> <p style="text-align: center;"> Reported by College Dean</p> <p style="text-align: center;"> Reported by Undergraduate Council Chair</p> <p style="text-align: center;">Reported by Graduate Council Chair</p> <p style="text-align: center;"> Reported by HCCC Chair</p> <p style="text-align: center;">Reported by Senate Council Office</p> <p style="text-align: center;">Reported by Senate Council Office</p>
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*If applicable, as provided by the Rules of the University Senate.

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]

Anatomy 538
Dental Neuroanatomy
 Spring Semester 2007

Lectures: MN 363
 No Formal Laboratory

Course Director: Dr. Diane M. Snow
 Chandler Medical Center
 Anatomy and Neurobiology
 Room MN 212
 E-mail: dsnow@uky.edu
 Office phone: (859) 323-2613

Course website: <http://www.uky.edu/Blackboard/>

Date	Day	Topic	Time	Room
2/26	M	Introduction to the CNS I	11-12AM	MN 363
2/28	W	Introduction to the CNS II	11-12 AM	MN 363
3/2	F	Intro to long tracts - Motor pathways	11-12 AM	MN 363
3/5	M	Quiz I - Sensory pathways I	11-12 AM	MN 363
3/7	W	Sensory pathways II	11-12 AM	MN 363
3/12	M	Pain	11-12 AM	MN 363
3/14	W	Clinical correlate: Dental pain and anesthesia	11-12 AM	MN 363
3/16	F	Exam 1	11-12 AM	MN 363
3/26	M	Cranial nerves	11-12 AM	MN 363
3/28	W	CNs V and VII	11-12 AM	MN 363
SPRING BREAK				
4/9	M	CNs V and VII	11-12 AM	MN 363
4/11	W	CNs V and VII	11-12 AM	MN 363
4/13	F	Quiz II - CN reflexes	11-12 AM	MN 363
4/16	M	CN IX and X	11-12 AM	MN 363
4/18	W	CN XII	11-12 AM	MN 363
4/20	F	CNs - other	11-12 AM	MN 363

4/23

M

Exam 2

11-12 AM MN 363

Important Course Information for ANA 538

1. Course Purpose

ANA 538 is a one credit hour course designed specifically for the academic needs of dental students. The purpose of this course is to present clinically related anatomical principles of neuroanatomy in a lecture format. Text and electronic resources will be suggested to help you appreciate the three dimensional relationships of various anatomical structures.

2. Course Goals

The goals of this course are to:

-Provide the foundational knowledge in Neuroanatomy necessary for the student to attain competency in the practice of dentistry

-Identify the linkages between human structure as it relates to normal function in various systems, with special emphasis on head and neck neuroanatomy.

The current model of dental education focuses on the concept of **competency**, i.e. describing the levels of knowledge, skills, and values required by the new graduates to begin an independent, unsupervised dental practice. *In order to achieve competence, there exists a necessity for students to obtain foundational knowledge of neuroanatomical structures and to apply these principles in their clinical practice.* The biomedical content presented in this course is focused toward this end.

Methods used to develop this foundational knowledge include:

a) **Role models:** Lectures.

Example: Dr. Snow has taught neuroanatomy to grauate, medical, and dental students for almost 20 years.

b) **Content information:** Lectures addressing specific systems and how they relate to clinical/disease situations.

Example: For various CNS regions described in this course, clinically relevant disease states are presented, compared, and contrasted to the normal state.

c) **Case based examples:** Dental/oral health cases used to demonstrate anatomical principles.

Example: Dental faculty members present clinical correlation lectures that use case-based examples to emphasize the importance of the anatomical sciences.

d) **Clinical/basic science linkages:** Clinical and basic science courses in which the foundational knowledge of this course is expected/required (i.e., are the students prepared with this foundational knowledge for subsequent learning).

Example: This course primes the students with knowledge of how structure relates to function forming a foundational knowledge for neurophysiology and local anesthesia.

3. Course Outcomes:

At the end of this course, the student will:

- know the major neuro-anatomical structures of the human and their primary functions
- be able to recognize clinically relevant anatomical structures and landmarks
- be able to make reasonable predictions of the clinical manifestation of injury or disease to specific neuro-anatomical structures
- be able to relate neuro-anatomical structures to clinical diagnostic procedures and treatment approaches

4. Learning Resources

Each student *must* purchase the Lecture notes course packet plus an atlas.

ANA 538 Lecture Notes (required)

(Primary resource)

Resource Type: Handout/Manual

Primary author: Snow, D.M.

Year published: 2007

Grant's Atlas of Anatomy (required for ANA534; portions helpful for ANA538)

(Primary resource)

Resource Type: Atlas

Primary author: Anne Agur

Edition/Version#: 11th

Liebman's Neuroanatomy Made Easy and Understandable (highly recommended)

(Primary resource)

Resource Type: Book

Primary author: S. David Gertz.
Edition/Version#: 6th edition

Cranial Nerves in Health and Disease (highly recommended)

(Primary resource)

Resource Type: Book

Primary author: Wilson-Pauwels, Akesson, Stewar and Spacey

Edition/Version#: 2nd edition

5. Evaluation methods overview

The lecture quizzes and exams, as well as Learning Objectives, are designed to complement one another. There is also a major attempt to coordinate materials with ANA534 *Dental Gross Anatomy* wherever possible. A basic understanding of the materials in ANA538 will be enhanced by competency with the neuroanatomy materials covered in ANA534 (e.g. peripheral nerves).

Your quizzes and exams will NOT be returned to you. Answer keys will be posted in the hallway between the MS and MN corridors immediately after each quiz and exam. Once corrected, you are encouraged to stop by the instructor's office to look over your exam if needed. *You will have until the next exam in the course to have any corrections made to your grade after each exam.* If you failed to pass the exam, or performed marginally, you will be required to see the instructor to go over your exam in detail and to obtain suggestions for improvements to your study methods.

Written quizzes and examinations will be composed of questions based on lecture and self-study materials. The question format will vary. Multiple-choice questions will comprise no more than 50% of each exam. Other question formats will include relating basic anatomical facts to clinical scenarios, short answer, diagrams, and matching.

Simply memorizing the factual material and being able to answer the Learning Objectives will NOT be sufficient to obtain a grade of A in this course. You must be able to extrapolate the material you have memorized, think critically, and use this information to answer clinically-oriented and functional questions.

The final course grades will be determined by cumulative points from quizzes and exams. *From this total, a maximum of 10% may be deducted for lack of regular attendance in class (see #6 below: Policy and Procedures).* A full listing of the exams in ANA 538 can be found in the course schedule at the beginning of this section. The course contains two quizzes, two exams.

Exam 1 = 100 points

Exam 2 = 150 points (comprehensive)

Quiz 1 = 25 points

Quiz 2 = 25 points

Total points = 300

All grades in this course will be reported to you via Blackboard. The final grade in this course is a cumulative total of your overall performance. In accordance with the College of Dentistry grading format, final grades will be recorded as A, B+, B, C or unsatisfactory (E). The grade breakdown is as follows:

A:	89.6% or higher
B+:	83.6 to 89.5%
B:	75.6 to 83.5%
C:	70 to 75.5%
E:	less than 70%

Interim grade reports throughout the semester are submitted to the Academic Performance Committee of the College of Dentistry that meets throughout the academic year.

Academic performance in ANA 538 should not be taken lightly. An unsatisfactory grade can require remediation of the course in the July following the course. *Any student who earns a final failing grade should contact the course director immediately after the course concludes to discuss potential remediation should the College of Dentistry's Academic Performance Committee (APC) deem it allowable.* IF remediation is allowed by the APC, it will take the form of a retake examination, and certain departmental regulations apply to all students enrolled in departmental courses:

Currently, all departmentally administered anatomy courses for dental students utilize a passing grade of 70%. A student receiving a final grade between 59.5 and 69.5% will receive a failing grade, but be allowed to sit a **remediation exam in July** of that year (if permitted by APC and/or Dean of the College of Dentistry). A student obtaining less than 59.5% will receive a failing grade and any stipulations on retaking the course the following year will be dependent on the decisions of the APC and/or Dean of the College of Dentistry. In all courses, the retake exam will be comprehensive and if a laboratory is offered, will include written and lab practical portions. The student must get a combined average of 70% in the retake to have successfully passed the retake exam. **Regardless of the passing grade obtained on the remediation exam, the student will receive the lowest passing letter grade utilized by the college ("C").**

Making up a Missed Examination or Quiz

Missed exams must be made up as soon as possible after the exam date. Both practical and written components will be administered. Only valid excuses will allow an individual to take a make up examination. ***Lack of a valid excuse will result in a grade of zero on that exam.*** A valid excuse for an absence must be in compliance with the ***University Senate rule on excused absences.***

Briefly, they are:

- a. **Illness of the student or serious illness of a member of the student's immediate family.** A note from the Health Service stating that you visited or were treated is not appropriate verification. The physician's name must be presented along with permission to contact that individual to verify that you were too ill to take the examination.
- b. **The death of a member of the student's immediate family.** Appropriate verification will be requested.
- c. **Trips for members of student organizations sponsored by an academic unit, trips for university classes, and trips for participation in intercollegiate events.** When feasible, the student must notify the instructor prior to the occurrence of these absences. In no case will such notification occur more than one week after the absence. Formal notification from appropriate university personnel will be required to verify the student's participation in such trips.
- d. **Major religious holidays.** Students are responsible for notifying the instructor in writing of anticipated absences due to observance of such holidays no later than the last day for adding a class.

If you will not be able to take an exam, you are responsible for contacting either Dr. Snow (323-2613) or the Office of Student Affairs, who will in turn contact Dr. Snow. As soon as possible after your return to classes, you must discuss the rescheduling of your makeup exam.

6. Policy and Procedures

Lectures involve completion or highlighting of material distributed in the lecture notes. ***It is therefore advisable to bring colored pencils or pens to lecture.*** Use of color has been proven to be an effective educational tool that enhances learning. Color coordination is used for designation of systems and/or structures to help you understand the structure and/or region being studied. If you are color-blind and this poses a difficulty, please see the instructor for alternative learning tools.

Attendance will be taken randomly during the lecture. Missing more than three lectures for unexcused reasons will result in a ***10% reduction in your final grade.***

Professionalism

As faculty members assigned responsibility for this course, we have been charged with ensuring the appropriate educational outcomes for you, both during ANA 538 as well as in your board and/or certification exams. One of the expected outcomes in every course is a professional attitude from you in response to being treated as future professionals in dentistry.

As a class of professional students, it goes without saying that certain behaviors create the decorum of a classroom. One important ingredient in professionalism is civility. Faculty and students alike expect a certain degree of respect from each other, regardless of the similarity or divergence of viewpoint and irrespective of age or experience. Professional classroom decorum involves the participation of both faculty and students. We endeavor to treat you as mature, responsible individuals, and we expect you to behave in a professional manner in return.

Classroom behavior regarded as unprofessional includes:

- Habitual tardiness
- Talking/joking during lecture
- Reading newspapers, doing crosswords, etc.
- Napping/sleeping
- Allowing your cell phone or pager to ring audibly
- Using smokeless tobacco
- Creating an adversarial atmosphere
- Acts of aggression

Gill, Sharon

From: Lindsay, Jim D.
Sent: Tuesday, November 28, 2006 9:55 AM
To: Kraemer, Philipp; Gill, Sharon
Cc: Brothers, Sheila C; Anderson, Heidi Milia; Brueckner, Jennifer K; Snow, Diane M; Ribes, Julie; Kirsh, Kenneth L
Subject: HCCC Transmittal - Course Change ANA 534 & ANA 538

November 28th, 2006

T R A N S M I T T A L

TO: Phil Kraemer and Sharon Gill
Undergraduate Council

FROM: Jim Lindsay
Health Care Colleges Council

At its meeting on November 21st, 2006, the Health Care Colleges Council approved and recommends approval of the following by the Undergraduate Council:

College of Dentistry

- Course Change ANA 534 "Dental Gross Anatomy"
- Course Change ANA 538 "Dental Neuroanatomy"

Attached are the materials to implement these requested actions.

/jl

attachments

cc: Jennifer Brueckner
Diane Snow
Kenneth Kirsh
Julie Ribes
Heidi Anderson
Shelia Brothers

Jim Lindsay
Health Care Colleges Council Coordinator
Associate Provost for Faculty Affairs Office
University of Kentucky, BBSRB 741 S. Limestone
Lexington, KY 40536-0509 Ph. (895) 323.6638

11/28/2006




UNIVERSITY OF KENTUCKY

Office of Academic Affairs
Chandler Medical Center
Room M132, College of Dentistry
Lexington, KY 40536-0297
(859) 323-5656
www.uky.edu/Dentistry/

MEMORANDUM

DATE: October 9, 2006

TO: Jeannine Blackwell, Interim Chair, Health Care Colleges Council
Deans, Department Chairs, Members of the University Senate

FROM: Richard H. Haug, D.D.S. 
Executive Associate Dean, College of Dentistry

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

RE: Course Change – ANA 538, Dental Neuroanatomy

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:

ANA 538 – Dental Gross Anatomy

Description of Course Change: This is a major course change reflecting editorial changes in description, title, prerequisite, and credit hours. The content or emphasis to be delivered in this course has not been changed since these 17 hours of neuroanatomy had been included in ANA 534.

Current Course Description: A concise presentation of the functional organization of the human nervous system. Lecture: 2 hours. Prereq: Admission to the College of Dentistry.

Proposed Course Description: Study of human dental neuroanatomy with emphasis on functional neuroanatomy of central nervous system, especially related to cranial nerves 5, 7, 9, and 10, pain, and long tracts. Lecture 1hr/week. Prerequisite: Admission to the College of Dentistry, or background in Biology with permission from instructor.

Justification: Dental gross anatomy (ANA 534) and dental neuroanatomy (ANA 538) were taught as separate courses until 2001, when they were integrated into one course as ANA 534. The current request is to separate these courses because many students are not devoting adequate attention to the neuroanatomy component of ANA 534, as it contributes to only 1 of the 6 credit hours of this course. By re-establishing dental neuroanatomy as its own 1 credit hour course (as ANA 538), the students will be held more accountable for their mastery of neuroanatomy because they will receive a letter grade for their performance in this course.