

## APPLICATION FOR NEW COURSE

1. Submitted by College of Public Health Date \_\_\_\_\_

Department/Division offering course Gerontology

2. Proposed designation and Bulletin description of this course

a. Prefix and Number GRN 778 b. Title\* Current Topics in Brain Aging

\*NOTE: If the title is longer than 24 characters (including spaces), write  
A sensible title (not exceeding 24 characters) for use on transcripts \_\_\_\_\_

c. Lecture/Discussion hours per week 3 d. Laboratory hours per week 0

e. Studio hours per week 0 f. Credits 3

g. Course description

Students will learn cellular and molecular changes that occur in the brain through AD progression in addition to the impact of these changes on individual lifestyle and on society

h. Prerequisites (if any)

None

i. May be repeated to a maximum of 1 (if applicable)

4. To be cross-listed as

\_\_\_\_\_  
Prefix and Number

\_\_\_\_\_  
Signature, Chairman, cross-listing department

5. Effective Date Fall 2007 (semester and year)

6. Course to be offered  Fall  Spring  Summer

7. Will the course be offered each year?  Yes  No  
(Explain if not annually)

8. Why is this course needed?

This course will provide students necessary background for and critical exposure to contemporary studies of brain aging, with emphasis on casting the topic in broader societal perspective.

9. a. By whom will the course be taught? Dr. Rodney Guttman

b. Are facilities for teaching the course now available?  Yes  No  
If not, what plans have been made for providing them?

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10. What enrollment may be reasonably anticipated? 10

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11. Will this course serve students in the Department primarily?  Yes  No

Will it be of service to a significant number of students outside the Department?  Yes  No  
If so, explain.

Students in biological sciences would also be expected to participate and benefit from this focused course.

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Will the course serve as a University Studies Program course?  Yes  No

If yes, under what Area? \_\_\_\_\_

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12. Check the category most applicable to this course

traditional; offered in corresponding departments elsewhere;

relatively new, now being widely established

not yet to be found in many (or any) other universities

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

14. Is this course part of a proposed new program:  Yes  No  
If yes, which?

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15. Will adding this course change the degree requirements in one or more programs? \*  Yes  No  
If yes, explain the change(s) below

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16. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.

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

18. 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.

19. Within the Department, who should be contacted for further information about the proposed course?

Name John Watkins Phone Extension 7-1450 x80240

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

20. Signatures to report approvals:

2-20-08  
DATE of Approval by Department Faculty

GRAHAM D. ROWLES / Graham D Rowles  
printed name Reported by Department Chair signature

2-20-08  
DATE of Approval by College Faculty

Linda A. Alexander / Linda A Alexander  
printed name Reported by College Dean signature  
Assoc Dean for Academic Affairs

\* DATE of Approval by Undergraduate Council

\_\_\_\_\_  
printed name Reported by Undergraduate Council Chair signature

\* DATE of Approval by Graduate Council

\_\_\_\_\_  
printed name Reported by Graduate Council Chair signature

2/21/08  
\* DATE of Approval by Health Care Colleges Council (HCCC)

Heidi Anderson / Heidi Anderson  
printed name Reported by Health Care Colleges Council Chair signature

\* DATE of Approval by Senate Council

\_\_\_\_\_  
Reported by Office of the Senate Council

\* DATE of Approval by University Senate

\_\_\_\_\_  
Reported by Office of the Senate Council

\*If applicable, as provided by the *University Senate Rules*. (<http://www.uky.edu/USC/New/RulesandRegulationsMain.htm>)

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SYLLABUS – Current Topics in Brain Aging  
*GRN 778*

INSTRUCTOR: Rodney Guttman, Ph.D.  
University of Kentucky  
Center on Aging  
800 S Limestone Street  
Room 305 Sanders-Brown  
Lexington KY 40536

(phone) 859-257-1412 x275  
(fax) 859-257-9479  
(email) [rodneyg@uky.edu](mailto:rodneyg@uky.edu)

REQUIRED TEXT: All text materials will be provided by the instructor during class.

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When and Where: W 10:00A – 12:45, CTW 304E

Instructor: Rodney P. Guttman, Ph.D.  
305 Sanders-Brown Bldg.  
Phone: 257-1412, ext. 275  
Email: [rodneyg@uky.edu](mailto:rodneyg@uky.edu)

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***Topical Overview***

The goal of this advanced seminar course is to engage students in discussion of recent advances in our knowledge relevant to age-related changes in the CNS. To accomplish this goal, students will primarily discuss but also have the opportunity to present recent work associated with: 1) new technological changes applicable to the study of the aging CNS, 2) newly published studies of high impact in the area of normal or pathological CNS changes, 3) relevant articles of high importance to the class 4) novel hypotheses regarding neurodegenerative diseases, and 5) current and future impact of current trends on human health and society. Discussion topics will include but are not limited to: current hypotheses of Alzheimer's, Parkinson's; Transmissible Spongiform Encephalopathies and other age-related neurodegenerative diseases; stem cells and aging; 'successful' aged populations; and new therapeutic advances and the future of research in the treatment/prevention of age-related declines in CNS function.

***Requirements***

- Active and respectful participation in seminar discussion
- Consistent attendance
- Completing assigned readings on time
- Completing assigned writing on time
- Being responsive to approaches taken outside of the "home" discipline.

**Class Activities and Evaluation**

Reading packets, composed of selected articles, book chapters, and/or reports will be made available each week. You should read through the assigned materials before class, since class activities will be dominated by focused discussions associated with the readings. We have chosen to include a relatively small number of readings overall, and place greater emphasis on promoting critical understanding..

Attendance and participation will constitute 60% of your grade. One excused absence (24 hours notice) is acceptable. There will be 2 papers required (mid-term and final). *These papers, graded on a numeric scale, will count equally for 40% of your final grade. 90=A, 80=B, 70=C.*

### **Other Odds-n-Ends**

- This course relies on free and uninhibited discussion in this seminar. But we do have qualifications. First, we ask that you respect and appreciate the individual perspectives of all seminar participants. Second, we ask that you work together to ensure that all participants have equal opportunity to express their thoughts.
- We hope to provide a secure environment for learning. If for any reason you feel uncomfortable, because of physical conditions of the classroom, topics being discussed, or the manner in which participants conduct themselves, you should let the instructor know immediately so that the situation can be improved.
- Plan on being in class each day for the full time. If this is not feasible, then we ask that you reconsider your registration. If the unexpected happens and you cannot attend a session, let us know beforehand.
- Late assignments will not be accepted for credit.
- Writing assignments should conform to academic standards of the English language, and they should be typed double-spaced using a legible serif font of 11 points.
- We encourage you to talk with us at any time, and for virtually any reason. We particularly ask that you talk with us if you have any difficulties that might hinder normal progress in the seminar so that fair accommodations can be made.
- Finally, we ask that you have fun and welcome any efforts to bring enjoyment to the discussions as we maintain the vision of meeting our scholarly objectives.