

**NEUROANATOMY-ABIO 598K (3 credit hours)**  
**FALL 2001**

**INSTRUCTOR:** Dr. Buck Pridgen (Contact through Ms. Cutsinger, Dept Administrative Assistant, Room 201)

**LECTURE ROOM:** Science Bldg Room 103

**TEXTBOOK:** *What Makes You Tick? The Brain in Plain English*, T.B. Czerner, Wiley, 2001  
*Barr's The Human Nervous System*, 7th Ed., John A. Kiernan, Lippincott-Raven. 1998

**COURSE DESCRIPTION:** This is to be considered a survey course of the recognized anatomical organization of the human nervous system. Currently recognized or proposed physiologic activities and system functionality must be consistent with the intrinsic anatomical framework and organization of the functional unit of the nervous system, the neuron and its support cells. Progressive understanding of molecular/metabolic abnormalities that may cause neurological functional pathology must conform to the known structural components and pathways of the nervous system.

**COURSE OBJECTIVES:**

- 1) To provide the student with a fundamental knowledge base of gross anatomy of the nervous system.
- 2) To survey the recognized anatomic substructures of the central nervous system.
- 3) To acquaint the student with the integration of system parts which then culminates in organized patterns of motor activity.
- 4) To expose the student to current constructs of scientific inquiry into understanding of emotions, thought processes, and humanity (*Homo sapiens*).
- 5) To provide a brief introduction to abnormal function/pathology of neural etiology.
- 6) To challenge the student to appreciate "the wonder of it all"!

<b>EVALUATION:</b>	Class participation	50%
	Topical paper/presentation	25%
	Random quizzes	25%

**ADDITIONAL COMMENTS:**

- 1) You will be expected to have read the assigned material prior to class times.
- 2) You will be expected to endorse the following **HONOR PLEDGE** on every quiz/exam:  
**On my honor as a University of South Carolina at Aiken student, I have neither given nor received any unauthorized aid on the assignment/examination. To the best of my knowledge, I am not in violation of academic honesty.**
- 3) You are encouraged to make appointments with me **if you are having problems understanding the expectations and content of this course.**
- 4) If you have a physical, psychological, and/or learning disability that might affect your performance in this class, please contact the Office of Disability Services, 126A B&E, (803) 641-3609, as soon possible. The Disability Services Office will determine appropriate accommodations based on medical documentation.

**TENTATIVE SCHEDULE  
NEUROANATOMY/BIOL 598K  
FALL 2001**

Cz=Czerner What Makes You Tick?      B=Barr's The Human Nervous System

K=Be "knowledgeable" of the material      S=Scan and be familiar with the material  
CN=Clinical Notes

Aug 21	Tue	Introductions, Miscellaneous
Aug 23	Thu	B: S 3-9L, K 9-15
Aug 28	Tue	Cz: Intro, Chap 1    B: Cells Chap 2    all K
Aug 30	Thu	Cz: Chap 2          B: PNS Chap 3    all K
Sep 4	Tue	Cz: Chap 3          B: Spinal Cord Chap 5    K 82-88, S 92-99L, K 99R-104
Sep 6	Thu	Cz: Chap 4          B: Brain Stem/External Chap 6    S
Sep 11	Tue	Cz: Chap 5          B: Brain Stem/Nuclei&Tracts Chap 7    S
Sep 13	Thu	Cz: Chap 6          B: Cranial Ns Chap 8    K 144-145 CN 150,157,162,168
Sep 18	Tue	Cz: Chap 7          B: Reticular F. Chap 9    K 180-181, 189-192L
Sep 20	Thu	Cz: Chap 8          B: Cerebellum Chap 10    K196-203L, CN 212
Sep 25	Tue	Cz: Chap 9          B: Thalamus/Hypothal Chap 11    K 215-220L, S 220L-229R, CN 229, 231, K 232R-244
Sep 27	Thu	Cz: Chap 10        B: Corp.Striatum/Basal Ganglia Chap 12    K 247-258 CN 258
Oct 2	Tue	Cz: Chap 11        B: Topo of Cerebral Cortex Chap 13    K 261-263
Oct 4	Thu	Cz: Chap 12        B: Histology of C. Cortex Chap 14    K 270-277
Oct 8/9		<b>Fall Break/Mid Term</b>
Oct 11	Thu	Cz: Chap 13        B: Functional C. Cortex Chap 15    S 279-291, K 292-297
Oct 16	Tue	B: Cerebral White Matter Chap 16    K 299-300L, 302-306R, CN 309
Oct 18	Thu	B: Limbic "System" Chap 18    K 330-331R, CN 335 thru 337
Oct 23	Tue	B: Visual Chap 20    S all
Oct 25	Thu	B: Motor System Chap 23    S all, CN 408, 415, 420
Oct 30	Tue	B: Visceral Innervation Chap 24    K all
Nov 1	Thu	B: Blood Supply CNS Chap 25    S all, CN all K
Nov 6	Tue	B: Meninges & CSF Chap 26    CN all K, K 465R-469
Nov 8	Thu	Elective time/topics
Nov 13	Tue	"
Nov 15	Thu	"
Nov 20	Tue	"
Nov 22	Thu	<b>THANKSGIVING</b>
Nov 27	Tue	Elective time/topics
Nov 29	Thu	"