

**BEHAVIORAL NEUROSCIENCE (PSYC 5352.001/PSYC 6352.001)**

**Fall 2023**

**Online Asynchronous**

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<b>Office:</b>	HPR 235B	<b>Office Hours:</b>	Virtual, Mondays 9:00-12:00
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**COURSE OVERVIEW**

A survey of the basic anatomy and neurochemistry of the brain as it relates to both normal and abnormal behavior. This includes every major neurotransmitter of the brain and abnormalities of these systems as they relate to human behavior.

**TEXTBOOK AND MATERIALS**

**Required:**

Carlson, N. R., & Birkett, M. (2020). *Foundations of behavioral neuroscience* (10<sup>th</sup> ed.). Pearson.

There will also be assigned PDF readings uploaded in Canvas so check the course schedule.

*A student at UT Tyler is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.*

**COURSE REQUIREMENTS: PSYC 5352**

<b>Assignment</b>	<b>Points</b>	<b>Final Grade</b>
Quizzes (12 total)	120	A = 108-120 B = 96-107 C = 84-95 D = 72-83 F = 71 and below

**COURSE REQUIREMENTS: PSYC 6352**

<b>Assignment</b>	<b>Points</b>	<b>Final Grade</b>
Quizzes (12 total)	120	A = 162-180
Presentation	60	B = 144-161 C = 126-143 D = 108-125 F = 124 and below

**Quizzes:** Quizzes will primarily cover material from lectures and readings. Quizzes are worth 10 points each.

Behavioral Neuroscience (PSYC 5352.001/PSYC 6352.001)

**Presentation (PSYC 6352 only):** Students will obtain instructor approval for a topic. Students may utilize PowerPoint, Prezi, or another type of appropriate presentation format for this assignment. Then, students will create a video recording of their presentations and upload it to Canvas.

**Late Policy:** Assignments receive -2 points for every 24 hours late.

### **COURSE GUIDELINES**

**Academic Misconduct:** Academic misconduct (e.g., cheating, plagiarism) will not be tolerated. All work on course tasks is to be done individually.

**Communication:** Email is the best way to get ahold of me. I generally reply to emails during working hours within two business days.

**Disability Accommodations:** If there is anything I can do to make the course more accessible, please let me know.

**COURSE SCHEDULE**

<b>Date</b>	<b>Module</b>	<b>Topics</b>	<b>Due</b>
08/21	1	<ul style="list-style-type: none"> <li>● Origins of Behavioral Neuroscience (Ch. 1)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 1 Quiz opens 08/21 at 9:05 a.m.</li> </ul>
08/28	2	<ul style="list-style-type: none"> <li>● Structure and Functions of Cells of the Nervous System (Ch. 2)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 1 Quiz due 08/27 at 11:59 p.m.</li> <li>● Chapter 2 Quiz opens 08/28 at 9:05 a.m.</li> </ul>
09/04	3	<ul style="list-style-type: none"> <li>● Structure of the Nervous System (Ch. 3)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 2 Quiz due 09/03 at 11:59 p.m.</li> <li>● Chapter 3 Quiz opens 09/04 at 9:05 a.m.</li> </ul>
09/11	4	<ul style="list-style-type: none"> <li>● Psychopharmacology (Ch. 4)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 3 Quiz due 09/10 at 11:59 p.m.</li> <li>● Chapter 4 Quiz opens 09/11 at 9:05 a.m.</li> </ul>
09/18	5	<ul style="list-style-type: none"> <li>● Vision (Ch. 6)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 4 Quiz due 09/17 at 11:59 p.m.</li> <li>● Chapter 6 Quiz opens 09/18 at 9:05 a.m.</li> </ul>
09/25	6	<ul style="list-style-type: none"> <li>● Audition, the Body Senses, and the Chemical Senses (Ch. 7)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 6 Quiz due 09/24 at 11:59 p.m.</li> <li>● Chapter 7 Quiz opens 09/25 at 9:05 a.m.</li> </ul>
10/02	7	<ul style="list-style-type: none"> <li>● Control of Movement (Ch. 8)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 7 Quiz due 10/01 at 11:59 p.m.</li> <li>● Chapter 8 Quiz opens 10/02 at 9:05 a.m.</li> </ul>
10/09	8	<ul style="list-style-type: none"> <li>● Sleep and Biological Rhythms (Ch. 9)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 8 Quiz due 10/08 at 11:59 p.m.</li> <li>● Chapter 9 Quiz opens 10/09 at 9:05 a.m.</li> </ul>
10/16	9	<ul style="list-style-type: none"> <li>● Sexual and Reproductive Behaviors (Ch. 10)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 9 Quiz due 10/15 at 11:59 p.m.</li> <li>● Chapter 10 Quiz opens 10/16 at 9:05 a.m.</li> </ul>
10/23	10	<ul style="list-style-type: none"> <li>● Emotion (Ch. 11)</li> <li>● Davis (1998)</li> <li>● Kamkwalala et al. (2012)</li> <li>● LaBar et al. (1998)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 10 Quiz due 10/22 at 11:59 p.m.</li> <li>● Chapter 11 Quiz opens 10/23 at 9:05 a.m.</li> </ul>
10/30	11	<ul style="list-style-type: none"> <li>● Ingestive Behavior (Ch. 12)</li> <li>● Roitman et al. (2008)</li> <li>● Small et al. (2003)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 11 Quiz due 10/29 at 11:59 p.m.</li> <li>● Chapter 12 Quiz opens 10/30 at 9:05 a.m.</li> </ul>
11/06	12	<ul style="list-style-type: none"> <li>● Neurological Disorders (Ch. 15)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 12 Quiz due 11/05 at 11:59 p.m.</li> <li>● Chapter 15 Quiz opens 11/06 at 9:05 a.m.</li> </ul>
11/13	13	<ul style="list-style-type: none"> <li>● Schizophrenia, Affective Disorders, Anxiety Disorders, and Obsessive-Compulsive Disorder (Ch. 16)</li> <li>● Cryan et al. (2002)</li> <li>● Sheline et al. (1999)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 15 Quiz due 11/12 at 11:59 p.m.</li> <li>● Chapter 16 Quiz opens 11/13 at 9:05 a.m.</li> <li>● Chapter 16 Quiz due 11/19 at 11:59 p.m.</li> </ul>
11/20		THANKSGIVING BREAK	
11/27	14	<ul style="list-style-type: none"> <li>● Neurodevelopmental Disorders, Stress, Posttraumatic Stress Disorder, and Substance Use Disorders (Ch. 17)</li> <li>● Sahuque et al. (2006)</li> <li>● Zorrilla et al. (2002)</li> </ul>	<ul style="list-style-type: none"> <li>● Chapter 17 Quiz opens 11/27 at 9:05 a.m.</li> </ul>
12/04	15	FINALS WEEK	<ul style="list-style-type: none"> <li>● Chapter 17 Quiz due 12/3 at 11:59 p.m.</li> <li>● PSYC 6352 Presentation due 11/30 at 11:59 p.m.</li> </ul>