

PSY631 Neuropsychology

(3 credit hours)

Course Syllabus

Course Description

This course covers knowledge of neuropsychology, a branch of psychology that concerns itself with relationships between the brain, nervous system, Cognition, affect, and behavior. This course is designed to provide a student with an in-depth overview of the field neuropsychology with special emphasis on behavioral impairments.

Course Learning Outcomes

By the end of this course, you will be able to:

1. Develop a conceptual framework of Neuropsychology and its implications for research and practice in the behavioral sciences.
2. Compare and contrast the normal and abnormal neurodevelopment from birth through adulthood and how it relates to mental disorders.
3. Identify the anatomy and functions of the brain, including knowledge of major neurotransmitters and hormones.
4. Relate psychopharmacology to brain function.

Required Textbook(s) and Resources

A digital copy of your textbook is included with your DragonACCESS fees for this course. Use the DragonACCESS tool in Moodle to view your book.

Kolb, K & Whishaw, I. (2021). *Fundamentals of human neuropsychology*. (8th ed.). *Worth Publishers*.

Be sure to also review the weekly **Explore** sections for additional library or web resources. For access to databases, research help, and writing tips, visit the [Tiffin University Library](#).

Time Commitment

Effective time management is possibly the single most critical element to your academic success. To do well in this online class you should plan your time wisely to maximize your learning through the completion of readings, discussions, and assignments. Because of our

accelerated, seven-week term, TU online courses are designed with the expectation that you dedicate a little over **six (6)** hours per credit hour to course activities and preparation **each week**. For example, for successful completion of a three-credit, seven-week online course you should reserve roughly **twenty (20) hours per week**.

To help plan your time and keep on track toward successful course completion, note the distinctive rhythm of assignment due dates:

1. All times assume Eastern Time (GMT-4).
2. Weeks begin at 12:00 a.m. ET on Monday and end at 11:55 p.m. ET on Sunday.
3. Unless otherwise noted, initial assignments or discussion posts are due by **11:55 p.m. ET on Wednesdays**.
4. Additional assignments or follow-up discussion posts are due by **11:55 p.m. ET on Saturdays, and**
5. Major assignments and reflections are typically due by **11:55 p.m. ET on Sundays**.

Learning Activities

Learning activities for this course include short weekly quizzes to test your knowledge on the subject matter of neuropsychology. Weekly discussions of a variety of nature to elicit critical thinking on a variety of neuropsychological topics. Along with weekly quizzes and discussions a formal research paper on a neuropsychological disorder will be completed in week 6. This will incorporate all of the course learning outcomes. This paper will be completed through a process of weekly steps and activities. These include a research proposal and three annotated bibliographies to gather academic research for the final paper. Along with the final research paper a paper presentation will also be presented in the final week of the course.

Grading

The chart below identifies the individual contributions from each type of activity, per week.

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Total
Forums Activity 1.1 (n/a) Activity 1.2 (30)	Forums Activity 2.1 (30)	Forums Activity 3.1 (30)	Forums Activity 4.1 (30)	Forums Activity 5.1 (30)	Forums Activity 6.1 (30)	Forums Activity 7.1 (30)	210
Assignments Activity 1.3 (50)	Assignments Activity 2.2 (50)	Assignments Activity 3.2 (100)	Assignments Activity 4.2 (100)	Assignments Activity 5.2 (100)	Assignments Activity 6.2 (220)	Assignments Activity 7.2 (100)	720

Quizzes Activity 1.3 (10)	Quizzes Activity 2.3 (10)	Quizzes Activity 3.3 (10)	Quizzes Activity 4.3 (10)	Quizzes Activity 5.3 (10)	Quizzes Activity 6.3 (10)	Quizzes Activity 7.3 (10)	70
90	90	140	140	140	260	140	1000

Grading Scale

A: 90-100% | B: 80-89% | C: 70-79% | F: <70%

Course Schedule and Weekly Checklist

Start Here

- ☐ MON: Activity 1.1: Meet Your Peers – Introductory Post

Week 1 – Introduction to Psychological Assessments, Forensic Mental Health Assessments- Evolution, Utilization and Process

- ☐ WED: Activity 1.2: Introduce an Article of your Choice to the Class on Neuropsychology – Introductory Post
- ☐ SAT: Activity 1.1: Meet Your Peers – Follow-Up Post
- ☐ SAT: Activity 1.1: Introduce an Article of your Choice to the Class on Neuropsychology – Follow-Up Post
- ☐ SUN: Activity 1.3: Introduction to Final Research Project
- ☐ SUN: Activity 1.4: Quiz – Chapters 1 and 2

Week 2 – Nervous System Organization and Activity

- ☐ WED: Activity 2.1: Neuroanatomy of Behavior – Introductory Post
- ☐ SAT: Activity 2.1: Neuroanatomy of Behavior – Follow-Up Post
- ☐ SUN: Activity 2.2: Final Research Project – Annotated Bibliography Part 1
- ☐ SUN: Activity 2.3: Quiz – Chapters 3 and 4

Week 3 – Neurotransmission and Neuropharmacology

- ☐ WED: Activity 3.1: The Influence of Drugs on Behavior/Changing the Brain – Introductory Post
- ☐ SAT: Activity 3.1: The Influence of Drugs on Behavior/Changing the Brain – Follow-Up Post
- ☐ SUN: Activity 3.2: Final Research Project – Annotated Bibliography Part 2
- ☐ SUN: Activity 3.3: Quiz – Chapters 5 and 6

Week 4 – Brain Imaging and the Occipital and Parietal Lobes

- ☐ WED: Activity 4.1: The Pros and Cons of Imaging Techniques and Neuroscience Technologies – Introductory Post

- SAT: Activity 4.1: The Pros and Cons of Imaging Techniques and Neuroscience Technologies – Follow-Up Post
- SUN: Activity 4.2: Final Research Project – Annotated Bibliography Part 3
- SUN: Activity 4.3: Quiz – Chapters 13 and 14

Week 5 – Temporal/ Frontal Lobes and Neurodevelopment

- WED: Activity 5.1: Brain Development Across the Lifespan – Introductory Post
- SAT: Activity 5.1: Brain Development Across the Lifespan – Follow-Up Post
- SUN: Activity 5.2: Final Research Project – Outline of Final Paper
- SUN: Activity 5.3: Quiz – Chapters 15, 16 and 23

Week 6 – Plasticity and Neurodevelopmental Disorders

- WED: Activity 6.1: Neurodevelopmental Disorders and Neuroplasticity – Introductory Post
- SAT: Activity 6.1: Neurodevelopmental Disorders and Neuroplasticity – Follow-Up Post
- SUN: Activity 6.2: Final Paper
- SUN: Activity 6.3: Quiz – Chapters 24 and 25

Week 7 – Plasticity and Neurodevelopmental Disorders

- WED: Activity 7.1: Reflection on Course Topics/Posting your PowerPoint – Introductory Post
- SAT: Activity 7.1: Reflection on Course Topics/Posting your PowerPoint – Follow-Up Post
- SAT: Activity 7.2: Final Presentation
- SUN: Activity 6.3: Quiz – Chapters 26, 27 and 28

Tips for Success

Successful online learning requires a good deal of self-discipline and self-direction. As seekers of the truth, we should be willing to challenge and review one another's academic work in a spirit of respectful comradery and constructiveness. You should accept constructive feedback as a gift. Your course is a place for you to stretch and grow as you benefit from the expertise, knowledge, experience and diverse perspectives of your instructor and peers. Constructive feedback will challenge you to stretch your own thinking, thereby expanding your knowledge, understanding and application.

To get the most out of your learning experience, you should actively engage (participate) in **ALL** course activities. Course elements in any given week are arranged chronologically. To complete a week, simply work your way "down the page" through all of the course materials and activities.

For More Information:

Be sure to review the [Support, Policies, and Procedures](#) addendum.