

University of Saint Francis
School of Liberal Arts and Sciences
Division of Psychology and Counseling

Semester/Year: Summer I/2019
Dates 05/06/2019 – 06/28/2019
Course/Section Number: PSYS 518 01B
Course Title: Cognitive Neuroscience
Instructor: Dr Kenneth H. Nashkoff

Phone: 219-464-1469
E-mail: knashkoff@sf.edu
Virtual Office Hours: Daily 9 am – 3 pm

Last day to withdraw with a grade of “W”: Friday of the seventh week of the sub-term at 5pm.
Drop/Add Deadline 5/7/2019

| |
|---|
| <p>Franciscan Values</p> <p>Committed to the mission of Catholic Education and our Franciscan traditions, we will:</p> <ul style="list-style-type: none">• Reverence the unique dignity of each person• Encourage a trustful, prayerful community of learners• Serve one another, society, and the Church• Foster peace and justice• Respect creation |
|---|

Course Description:

Cognitive neuroscience focusing on the neurological basis of behavior including neuroanatomy, synaptic transmission, and basic sensory and motor processes, framed within a cognitive theoretical approach investigating memory, language, and other higher cognitive functions.

Specific Course Objectives:

Upon completion of the course, the student will be able to demonstrate understanding in the following areas:

- Neuropsychological processing
- Understanding of neuroanatomical terminology
- Basic neuroanatomical structure of the brain and associated functioning/deficits
- Cellular mechanisms and neuronal development
- Investigational/research techniques in cognitive neuropsychology
- Neuropsychological disorders and associated deficits commonly seen in clinical practice
- Neurological underpinnings of cognitive processes

Text: Gazzaniga, M. S., Ivry, R. B. & Mangun, G.B. (2019). *Cognitive Neuroscience: The biology of the mind*. (5th ed.) W.W. Norton & Company: NY

ISBN: 978-0-393-60317-0

Teaching Methods:

Online course using weekly Discussion questions and written assignments

Course Requirements

- All work must be proof read, APA basic format; 12 font Arial or Times New Roman, double spaced, essay style, with paragraph indents also include a reference list on the bottom (see below for text book citation example). Assignment evaluation will be graded on both content and basic APA writing format. Microsoft WORD is the standard attachment required
 - Discussion Question (DQ) Postings must be substantive: *DQ's and participation post must reflect on the text book and other reputable sources, adding knowledge while applying critical thinking to the factual arguments presented.* Therefore, it's not just what you think but the rational that supports your arguments – it is suggested an average substantive post requires a paragraph or two as minimum length. DQ's are due each week on Friday and participation/reply post are due on Sundays each week.
-
- This is a fast paced eight-week course: Late work thus will not be accepted. *Technical issues are not acceptable excuses for late work; Please be sure to have a contingent alternate method to post your work on time.*

Course Requirements:

1. Read/study two chapters due Sunday evenings (see below)
2. Each week you will have two discussion post and one substantive reply post due Sunday evening .
3. One Written Assignment each week due Sunday evening
4. This is a fast-paced course and late work not accepted. Please have alternate plans for submitting weekly work.
5. A high-speed Internet connection and Microsoft WORD is required

The text book is required: Gazzaniga, M, S, Ivry, R, B, & Mangun, G. R. (2019) *Cognitive neuroscience: The biology of the mind.* (5th ed.) NY: W.W. Norton

| Grading Scale | |
|---------------|--------|
| A | 93-100 |
| A- | 90-92 |
| B+ | 88-89 |
| B | 83-87 |

| | |
|----|-------|
| B- | 80-82 |
| C+ | 78-79 |
| C | 73-77 |
| C- | 70-72 |
| D | 60-69 |
| F | <60 |

Course Schedule and Assignments:

Course Road Map

| Week | Chapter | Assignments & DQs due dates |
|-------|---|-----------------------------|
| One | 1 History 2 Nervous System | 5-12-2019 A1 & DQs |
| Two | 3. Methods of Cognitive Neuroscience 4. Hemispheric Specialization | 5-19-2019 A2 & DQs |
| Three | 5. Sensation and Perception 6. Object Recognition | 5-26-2019 A3 & DQs |
| Four | 7. Attention 8. Action | 6-2-2019 A4 & DQs |
| Five | 9. Memory 10. Emotion | 6-9-2019 A5 & DQs |
| Six | 11. Language 12. Cognitive Control | 6-16-2019 A 6 & DQs |
| Seven | 13. Social cognition 14. Consciousness | 6-23-2019 A 7 DQs |
| Eight | Finals Week | 6-28-2019 A 8 & DQs |

Point Breakdown

Assignments 8 x 100= 800

DQs 8 x 25=200

Total available points 1000

*****Please check regularly the Canvas Announcements and Content area a few times each week to see if there are any modifications to above schedule and to see all of your specific assignments.**

Course Policies and Procedures:

- **Academic Integrity Policy** – As an institution guided by Christian principles, the University of Saint Francis places the highest importance upon honesty in all academic work. As such, academic integrity is a fundamental principle of collegial life at the University of Saint Francis and is essential to the credibility of the university’s education programs. Moreover, because assessment may be competitive, students who misrepresent their academic work violate the rights of their fellow students. The University of Saint Francis, therefore, views any act of academic dishonesty as a serious offense requiring disciplinary measures, including failing the assignment, failing the course, and even expulsion from the university. In addition, an act of academic dishonesty may have unforeseen effects far beyond any officially imposed penalties. Violations of academic integrity include cheating or assisting others to cheat. Examples of academic dishonesty include plagiarism, misrepresenting data, falsification of academic records or documents, and unauthorized access to computerized academic or administrative systems.
- **Student Success and Academic Advising** – offers a variety of resources and assistance at no cost to the student, to encourage academic success.
- **Policy Concerning Students with Disabilities** – If you have a documented disability requiring academic adjustments or accommodations, please notify the instructor during the **first week of class**. Early notification will ensure that your learning experience is not compromised or delayed.
 - Through Student Success and Academic Advising, the University of Saint Francis provides services for students with documented disabilities.
 - Students who present appropriate paperwork and qualify for support services can receive accommodations to facilitate academic access. Student Success and Academic Advising offers a variety of services and assistance at no cost to the student.

Instructor has the right to modify the course to keep it robust and smooth flowing, if necessary. A notification will be posted.