

COGS Q301, Spring 2013

Brain and Cognition – Syllabus

CLASS TIME AND PLACE

Section 23409

Tuesday and Thursday, 2:30 – 3:45 PM in PY 111

INSTRUCTOR INFORMATION

Instructor: Rick Hullinger

Office: PY 183E

Office Hours:

Monday and Wednesday, 9:30 – 11:00 AM in PY 183E

Or by appointment

Office Telephone: 856-6854

Email Address: rahullin@indiana.edu

TEACHING ASSISTANT INFORMATION

Assistant: Seth Frey

Office Hours: By Appointment

Email Address: sethfrey@indiana.edu

TEXTBOOK

Gazzaniga, Ivry, and Mangun *Cognitive Neuroscience: The Biology of the Mind*. (3rd Ed)

ISBN: 978-0-393-92795-5

Copies of the book are available at the IU bookstore and through various online sources. Please contact me immediately if you have any trouble obtaining a copy of the textbook.

COURSE GOALS

This course asks a deceptively simple question: how do the neurons and areas of the brain work together to accomplish the vast range of human behaviors? To answer this question, we will start with the basics of brain neuroscience and work our way up to a variety of human capacities studied by cognitive scientists. We will look at everything from the basics of sensation and perception to language to social cognition.

HOMEWORK AND EXAMS

Your course grade will consist of six short (15-20 minute) in class quizzes, six lab write-ups (each due one week after an in-class lab session), a mid-term exam, and a cumulative final exam.

According to the Office of the Registrar, the final exam for this course will be given on Tuesday, April 30th, from 2:45 – 4:45 PM.

If you have a scheduling conflict or cannot take a quiz or exam at its appointed date and time, you must let me know as soon as possible. With the exception of extreme and unforeseen circumstances, contacting me the day of (or even worse, after) a quiz or exam will be considered an unexcused absence and will result in a 0 on the assignment.

Your final grade is computed using the following formula:

Average of the 6 quizzes:	25%
Average of the 6 lab assignments:	30%
Mid-term exam:	20%
Cumulative final exam:	25%
<hr/>	
Total:	100%

It is your responsibility to double-check your lab, quiz, and exam grades – both that the work itself was correctly graded and that the scores posted on Oncourse match your actual grades. You have two weeks from the time an assignment is returned to the class to address any grading issues with me. After that, the grades posted on Oncourse will be considered final.

Grading Scale:

A+:	97%-100%;	A:	93%-96%;	A-:	90%-92%
B+:	87%-89%;	B:	83%-86%;	B-:	80%-82%
C+:	77%-79%;	C:	73%-76%;	C-:	70%-72%
D+:	67%-69%;	D:	63%-66%;	D-:	60%-62%
F:	Below 60%				

EXTRA CREDIT

“The ultimate result of shielding men from the effects of folly is to fill the world with fools.” – Herbert Spencer

I do not offer any extra credit in this course. If you put all of the effort that you might invest in worrying about extra credit and proposing extra credit ideas into making sure that your assignments are done and done well the first time, you’ll achieve much better results.

RESPECT

In order for this class to work well, there must be a certain level of respect between you and me and between you and your fellow classmates. Please be smart with your in-class behavior. If you have to arrive late, enter quietly and sit in the back. If you believe that you may leave early, please sit in the back and slip out quietly. Please turn off your cell phones and do not text-message your friends while I’m teaching. If you are being disruptive to me or to the class, I will ask you to leave.

FEEDBACK

Do not wait until the end of the semester course evaluations to let me know that I could be doing something better. Tell me as soon as possible so that I can make the class valuable and relevant as we go along.

If you have any feedback, good or bad, about the course or how it's being taught, please feel free to send it to me *anonymously* using this link:

<http://www.indiana.edu/~rahteach/feedback.html>

ACADEMIC HONESTY

This course is conducted under the University's Ethics Code. Specifically, it is considered cheating if you obtain any kind of information about answers and solutions to the assignments in this course – exams and homework – from any non-intended source (including your peers) or conversely transfer such information to others. It is also considered cheating if you lie to me about an absence relating to a homework assignment or an exam. The punishment for academic dishonesty is **failure of the course**. As per university policy, all incidents of academic misconduct must be reported to the Dean of Students office.

STATEMENT FOR STUDENTS WITH DISABILITIES

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact IU Disability Services for Students.

ANSWERS TO FREQUENTLY ASKED QUESTIONS

-- I do not take attendance. While I expect students to attend and participate in class, I understand that there will be times when you cannot make it. Realize, however, that what we cover in class is important and that you will still be held responsible for any materials we cover.
-- There is no curve and in general I do not round up.

COPYRIGHT

Copyright Richard A. Hullinger, 2013. All federal and state copyrights in my lectures and course materials are reserved by me. You are authorized to take notes in class for your own personal use and for no other purpose. You are not authorized to record my lectures or to make any commercial use of them whatsoever. You are not authorized to provide them to anyone else other than students currently enrolled in this course, without my prior written permission. In addition to legal sanctions for violations of copyright law, students found to have violated these prohibitions may be subject to University disciplinary action under the Code of Student Conduct. If I find that my course materials are being made available to others in violation of this policy, I reserve the right to limit or remove access to all slides, notes, review materials and lecture recordings.

DISCLAIMER

This syllabus is an outline of the course and its policies, which may be changed for reasonable purposes during the semester at the instructor's discretion. You will be notified in class and / or via email if any changes are made to this syllabus, and an updated syllabus will be provided on Oncourse.

COGS Q301, Spring 2013
Brain and Cognition – Schedule

DOW	Date	Description	Chapter	Assignment
Tu	Jan 08	Introduction		
Th	Jan 10	Review/Overview		
Tu	Jan 15	Cellular Mechanisms	2	
Th	Jan 17	Cellular Mechanisms		
Tu	Jan 22	Neuroanatomy	3	
Th	Jan 24	Neuroanatomy		
Tu	Jan 29	Quiz 1 & Neuroanatomy Lab		
Th	Jan 31	Methods		
Tu	Feb 05	Methods	4	Neuro Report
Th	Feb 07	Quiz 2 & Methods Lab (PY 286)		
Tu	Feb 12	Sensation and Perception	5	Methods Report
Th	Feb 14	Sensation and Perception		
Tu	Feb 19	Quiz 3 & Sensation and Perception Lab		
Th	Feb 21	Higher Perceptual Function	6	S&P Report
Tu	Feb 26	Higher Perceptual Function		
Th	Feb 28	Action	7	
Tu	Mar 05	Action		
Th	Mar 07	Mid-Term Exam		
Tu	Mar 12	Spring Break - No Class		
Th	Mar 14	Spring Break - No Class		
Tu	Mar 19	Learning and Memory	8	
Th	Mar 21	Learning and Memory		
Tu	Mar 26	Quiz 4 & Memory Lab		
Th	Mar 28	Emotion	9	
Tu	Apr 02	Lateralization	11	
Th	Apr 04	Quiz 5 & Lateralization Lab (PY 286)		
Tu	Apr 09	Capgras Syndrome	10	Memory Report
Th	Apr 11	Language		
Tu	Apr 16	Language	13	Lateralization Report
Th	Apr 18	Quiz 6 & Cognitive Control Lab		
Tu	Apr 23	Cognitive Control	14	Cognitive Ctrl Report
Th	Apr 25	Social Cognition		
Tu	Apr 30	Cumulative Final Exam, 2:45 – 4:45 PM		