



## Behavioral Neuroscience

The University of Toledo  
College of Arts and Letters  
PSY3610:901 CRN: 58347

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<b>Email:</b>	john.cumming@rockets.utoledo.edu	<b>Offered:</b>	Fall 2021
<b>TA:</b>	Zachary Demoss	<b>Course Website:</b>	<a href="#">Blackboard Learn</a>
<b>Email:</b>	zachary.demoss@rockets.utoledo.edu	<b>Class Location:</b>	<a href="#">Online</a>
<b>Office Hours:</b>	By Appointment	<b>Credit Hours:</b>	3
<b>Office Location:</b>	University Hall 5006		

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### CATALOG/COURSE DESCRIPTION

In-depth treatment of the structure and function of neurons and their mediation of behavior, both normal and abnormal: circadian rhythms, eating, emotions, sexual behavior, memory, language and mental disorders. The scientific study of the brain and methods of neuroscience are emphasized.

### STUDENT LEARNING OUTCOMES

Upon completion of this course, the student will:

1. Understand the foundations of behavioral neuroscience: the history of the field, the structure and functions of neurons, neuroanatomy, psychopharmacology, and methods of research.
2. Understand the sensory systems and identify their neural pathways as well as motivated behavior such as movement, sleep, reproduction, emotion, and ingestion.
3. Understand the types of learning as well as understand human communication and its associated disorders.
4. Understand the causes, symptoms and treatment for various neurological and mental disorders.

### WORKWEEK

In this fully online course, weeks run from Mondays through Sundays: specifically, they begin at 12:00 am Monday morning and end at 11:59 pm on Sunday night. All assigned work for any week is to be completed by the end of Sunday in that week (11:59 pm Sunday night). See course schedule below for specific due dates.

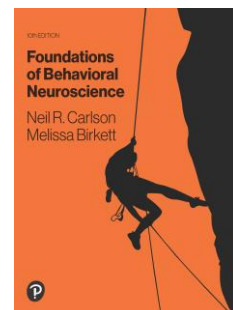
### PREREQUISITES

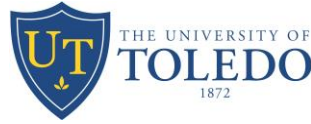
PSY 2600 with a minimum grade of C or BIOL 2150 with a minimum grade of C or BIOL 2170 with a minimum grade of C or BIOL 4250 with a minimum grade of C.

### REQUIRED COURSE MATERIAL

Revel: You are required to purchase the Revel version of Carlson and Birkett, Foundations of Behavioral Neuroscience, 10e for this course. I will assign reading and other assignments in Revel.

While access to Revel is required, the printed version of this text is optional—see purchasing options below. There are two ways to purchase Revel access.





*Choose the option that works best for you:*

**Option #1:** Purchase a Revel access code from the campus bookstore.

**Option #2:** Online Instant Access: If you decide not to purchase Revel from the bookstore, you can purchase Revel access online. You will see this as an option after clicking on the “Open Revel” link in blackboard on the “Start Here” section of your blackboard course.

**To access REVEL from your Blackboard course:**

1. Start from your Blackboard course.
2. Select a content area called “Start Here” from the left navigation.
3. Select **Open REVEL**.

If you have a Pearson account, enter your username and password. Otherwise, create a new account. **Note:** If you are also registering for a Pearson MyLab (like MyMathLab or MyVirtualChild) this term, you must register for the MyLab first, in order to use the same username and password for REVEL.

4. When your accounts are linked, select an access option:
  - Redeem an access code purchased from the bookstore.
  - Buy access using a credit card or PayPal.
  - If available, get temporary access.
5. Your REVEL content appears.

To go back to Blackboard, look for the Blackboard tab or window in your browser.

That’s it. Throughout the semester, please access your REVEL content through Blackboard.

**To upgrade temporary access to full access:** To upgrade your access before your temporary access expires, select the link in your confirmation email. Once your temporary access expires, when you open REVEL from Blackboard, you’re prompted to upgrade your access. Redeem a pre-purchased access code, or buy access using a credit card or PayPal.

**Need help?** If you have trouble getting access, make sure your laptop or other device is set up to work with REVEL. Visit Pearson Support at <https://support.pearson.com/getsupport>. Dedicated REVEL support line for students: (855) 875-1801

**TECHNOLOGY REQUIREMENTS, SKILLS, AND PRIVACY POLICIES**

Access to a computer or mobile electronic device (tablet or smartphone) with internet access is required to complete your Revel assignments and Blackboard exams. Please let me know if you need information on computers available for use on campus. Please view the [technology considerations](#) for this course, including technical skills needed, general technology requirements, and technology privacy policies.

If you encounter technical difficulties with Blackboard, please contact the UT Online Help Desk at (419) 530-8835 or [utdl@utoledo.edu](mailto:utdl@utoledo.edu). The Help Desk offers extended hours in the evenings and on weekends to assist students with technical problems. When calling after hours, leave a detailed message, including your Rocket Number and phone number, and an Online Learning staff member will respond on the next business day.



Technical questions related to on-campus Internet access, virtual labs, hardware, software, personal website hosting, and UTAD account management can be directed to UT's IT Help Desk at (419) 530-2400 or [ithelpdesk@utoledo.edu](mailto:ithelpdesk@utoledo.edu).

### **ACCESSIBILITY OF COURSE TECHNOLOGIES**

Please view [Accessibility of Course Technologies](#) for information regarding the accessibility of Blackboard and other technologies used in this course.

### **ACADEMIC POLICIES**

[Undergraduate Academic Policies](#)

### **COMMUNICATION GUIDELINES**

Communication with the instructor and the teaching assistant will be done through email. We are here to help and will respond to email as quickly as we can. We will do our best to respond to emails within 24 hours of receipt, but we will often respond sooner. Keep in mind that emails received after Friday's at 5:00pm will likely be answered the following Monday. If you have questions during a weekend or holiday, please plan accordingly and email us within a reasonable time frame so that we can provide you with a response before due dates. If necessary, individual meetings will be conducted virtually via WebEx by appointment.

Because this course is conducted entirely online, you should check your university email at least twice per week for potential messages about the course. You should also log in to Blackboard regularly to check for announcements. If you are having difficulty with the course concepts, please let us know. If you find something confusing, others probably do too, and we can often clear it up. Additionally, if you find the course material particularly interesting or have comments or experiences involving neuroscience or psychology, I would love to hear about them.

When you contact either of us, please address the email professionally. Begin your email with a greeting, state exactly what you need help with in a concise manner, then close the email with an appropriate signature.

### **OVERVIEW OF COURSE GRADE ASSIGNMENT**

Your grade is comprised of two parts: Revel assignments (40%) and Unit Exams (60%). Each exam is worth 15% of your total grade.

Revel Assignments:	40%
Unit One Exam:	15%
Unit Two Exam:	15%
Unit Three Exam:	15%
<u>Unit Four Exam:</u>	<u>15%</u>
TOTAL	100%

#### Revel Assignments

In Revel, anything assigned to you is considered an "assignment". This could include: the assigned reading, Module quizzes, video quizzes, chapter quizzes, concept checks, writing assignments, and shared writing. Journal prompts are not required but some students find them helpful, so I encourage you to try them out.

This assigned content will help you engage with the material in ways not possible with a traditional textbook. Although these assignments make up 40% of your grade, they are intended



to be “low stakes” opportunities to test your knowledge and keep you engaged and working. Because of this, you will receive multiple chances to answer quizzes. Three tries for Module and Chapter Quizzes with one point taken off per try. You have unlimited tries on Concept Checks. Late assignments will only receive 50% credit. You are not allowed to receive help from outside sources during these assignments, see below for policy on cheating.

### Unit Exams

The majority of your grade will consist of 4 exams. The readings have been divided into 4 units, each with their own exam. Exams will be due at the end of each unit (see course schedule below). Exams may contain multiple choice, short answer or essay questions. They will contain questions based on your readings as well as quizzes you have taken. There is no final exam for this course, but you will have the benefit of extra time during exam week to complete your Unit Four exam.

Exams will be taken on Blackboard and will include 30 questions. You will have 50 minutes to complete them once started. Exams will be graded in a timely manner and will be available through Blackboard’s Grade Center. Exams can only be taken once. Late exams are only accepted under extraordinary circumstances and at the discretion of the instructor. Exams are not “open book” or “open note”, you are expected to take them without materials or classmates present.

### Cheating

Cheating will not be tolerated. The first instance of cheating will result in a zero (0%) for that assignment or exam. A second instance will result in an “F” grade for the course and a note in your college file. Cheating includes (but is not limited to) use of non-permitted resources for exams such as friends, internet, books, etc., or using a cell phone for any reason. Plagiarism (use of another person’s words without citing a reference to assign credit to them) is also cheating; always use your own words in all assignments and on exams. See the university’s policy on academic dishonesty (<https://www.utoledo.edu/dl/students/dishonesty.html> & <http://www.utoledo.edu/policies/academic/undergraduate/pdfs/3364-71-04%20%20Academic%20dishonesty.pdf>). See also the Student Code of Conduct: [https://www.utoledo.edu/policies/main\\_campus/student\\_life/pdfs/3364\\_30\\_04\\_Student\\_code\\_of\\_conduct.pdf](https://www.utoledo.edu/policies/main_campus/student_life/pdfs/3364_30_04_Student_code_of_conduct.pdf).

### **Midterm Grading**

Midterm grades are assigned the 8th week of class and are used to assist students with determining their academic standing. Participation/Attendance is also recorded during the 8th week to meet state and federal laws regarding financial aid disbursement. Please note, if you are not participating in class assignments it could affect your financial aid (scholarships, grants, loans or Federal Work Study). If you decide you are not going to participate/attend this class (or any other class you have registered for), you must formally withdraw (drop) from the course. You can do this by logging onto the myUT portal, clicking on the “Student” tab, and then under “My Toolkit” click on Register/Drop/Withdraw.

### **Your midterm grade will be calculated as follows:**

Unit One Exam:	30%
Unit Two Exam:	30%
<u>Revel Reading/Assignments:</u>	<u>40%</u>
TOTAL	100%

## Final Grading

Grade	Percent
A	92.5 - 100%
A-	90 - 92.49%
B+	87.5 - 89.99%
B	82.5 - 87.49%
B-	80 - 82.49%
C+	77.50 - 79.99%
C	72.50 - 77.49%
C-	70 - 72.49%
D+	67.50 - 69.99%
D	62.5 - 67.49%
D-	60 - 62.49%
F	59.9 % and below

### [\\*5 Tips for Using Revel to Succeed in This Course\\*](#)

1. Quizzes can help you learn more as you read.
2. Track your performance in Revel throughout the semester.
3. Highlighting important sections in the chapter will allow you to easily refer to them later on in the semester.
4. Revel allows you to listen to your book as you would an audiobook. You may benefit from listening to the audio while you read.
5. If you forget your login information, go to the [Forgot Username or Password](#) link to retrieve your username or reset your password. Then, enter your email address and click continue. Check your email account for an email with the subject, "Pearson Username/Password Request." The message will contain all of the usernames that are found for that email address. Choose one account to use with Revel.

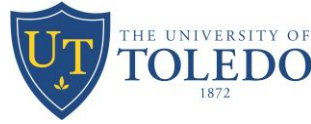
## UNIVERSITY POLICIES

### **Institutional Classroom Attendance Policy**

Please be aware that the university has implemented an attendance policy, which requires faculty to verify student participation in every class a student is registered at the start of each new semester/course. For this course, if you have not attended/participated in class (completed any course activities or assignments) within the first 14 days, I am required by federal law to report you as not attended. Unfortunately, not attending/participating in class impacts your eligibility to receive financial aid, so it is VERY important that you attend class and complete course work in these first two weeks. Please contact me as soon as possible to discuss options and/or possible accommodations if you have any difficulty completing assignments within the first two weeks.

### **Policy Statement on Non-Discrimination on the Basis of Disability (ADA)**

The University is an equal opportunity educational institution. Please read [The University's](#)



## [Policy Statement on Nondiscrimination on the Basis of Disability – Americans with Disabilities Act Compliance.](#)

### **Academic Accommodations**

The University of Toledo embraces the inclusion of students with disabilities. We are committed to ensuring equal opportunity and seamless access for full participation in all courses. For students who have an Accommodations Memo from the Office of Accessibility and Disability Resources, [I invite you to correspond with me as soon as possible](#) so that we can communicate confidentially about implementing accommodations in this course.

For students who have not established accommodations with the Office of Accessibility and Disability Resources and are experiencing disability access barriers or are interested in a referral to health care resources for a potential disability, please connect with the office by calling 419.530.4981 or sending an email to [StudentDisability@utoledo.edu](mailto:StudentDisability@utoledo.edu).

### **Resources Related to Sexual or Gender-based Violence and Harassment**

The University of Toledo cares greatly about the health and well-being of our students, staff, and faculty, and takes all sexual or gender-based violence and harassment very seriously. If you have experienced sexual assault, sexual harassment, intimate partner violence, and/or stalking and want a confidential place to obtain support and information, please contact the Center for Student Advocacy and Wellness on the main campus in Health and Human Services Room 3017. You can call 419.530.2497 during regular business hours and 419.530.3431 for 24-hour assistance from a trained advocate. In-person, walk-in appointments are also available Monday-Thursday from 8:30 a.m. to 5 p.m. The Center for Student Advocacy and Wellness provides free and confidential advocacy and counseling services to students, faculty and staff. The YWCA H.O.P.E. Center also can be accessed as an off-campus confidential resource at 419.241.7273. Faculty, teaching assistants, and other university employees are mandated reporters of any incidents of sexual or gender-based violence or harassment. Thus, any disclosures of sexual or gender-based violence or harassment on or off campus made to faculty or teaching assistants, or other university employees must be forwarded to the Title IX Coordinator. The Title IX Office will then contact you regarding your rights, your option to participate in the investigation, interim safety measures and/or academic accommodations, and the need to proceed with an investigation (even if none is requested). Your participation in the process is voluntary. You may call 419.530.3152 to file a complaint or visit the following website for more information and resources: <http://www.utoledo.edu/title-ix/>. Policies relating to Title IX can be found at: <http://www.utoledo.edu/title-ix/policies.html>.

### **SPECIAL COURSE EXPECTATIONS DURING COVID-19**

Maintaining a safe campus during the ongoing COVID-19 pandemic remains a top priority. UToledo continues to follow the guidance of the U.S. Centers for Disease Control and Prevention and Ohio Department of Health to keep our campus safe. Although this course is conducted online, you may find this information valuable. See below for comments specific to this course.

### **Attendance**

The University of Toledo has a missed class policy. It is important that students and instructors discuss attendance requirements for the course. Before coming to campus each day, students should take their temperature and complete a self-assessment for symptoms of COVID-19, such as cough, chills, fatigue or shortness of breath. Anyone with a temperature at or above 100.0



degrees Fahrenheit or who is experiencing symptoms consistent with COVID-19 should not come to campus and should contact their primary care physician or the Main Campus Health Center at 419.530.3451 or Health Science Campus Student Health and Wellness Center at 419.383.5000. For more information on the symptoms of COVID-19, please go to <https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>

COVID-19 testing for sick students is available on both Main Campus and Health Science Campus. Call 419.383.4545 for an appointment. Absences due to COVID-19 quarantine or isolation requirements are considered excused absences. Students should notify their instructors and follow the protocols summarized in this document on Navigating COVID-Related Course Concerns.

In the event that you have tested positive for COVID-19 or have been diagnosed as a probable case, please review the CDC guidance on self-isolation and symptom monitoring, and report the disclosure to the Division of Student Affairs by emailing [StudentAffairs@utoledo.edu](mailto:StudentAffairs@utoledo.edu) or by connecting with their on-call representative at 419.343.9946. Disclosure is voluntary and will only be shared on a need to know basis with staff such as in the Office of Student Advocacy and Support, The Office of Residence Life, and/or the Office of Accessibility and Disability Resources to coordinate supportive measures and meet contact tracing requirements.

### **Face Coverings**

Face coverings are required while on campus, except while eating, alone in an enclosed space, or outdoors practicing social distancing. Students will not be permitted in class without a face covering. If you have a medical reason preventing you from wearing a face covering due to a health condition deemed high-risk by the CDC, submit an online application to request an accommodation through the Office of Accessibility and Disability Resources. Students will need to provide documentation that verifies their health condition or disability and supports the need for accommodations. Students already affiliated with the Office of Accessibility and Disability Resources who would like to request additional accommodations due to the impact of COVID-19, should contact their accessibility specialist to discuss their specific needs. You may connect with the office by calling 419.530.4981 or sending an email to [StudentDisability@utoledo.edu](mailto:StudentDisability@utoledo.edu).

### **Vaccination**

Doctors and other health care professionals agree that the best way to protect ourselves and each other is to get vaccinated. Case data clearly show that vaccines remain highly effective at preventing serious illness from COVID, including the highly contagious delta variant. If you have not yet received your COVID vaccine, the University encourages you do so as soon as possible. No appointment is needed to get the shot at the UPMC Outpatient Pharmacy, University Health Clinic or Main Campus Pharmacy. Once you receive the COVID vaccination, please register on the COVID Vaccine Registry site at: <https://utvaccinereg.utoledo.edu/>.

### **Special Notes for This Online Course**

It's important to note, that based on the unpredictability of the COVID-19 virus, things can change at any time. So please be patient and understanding as we move through the semester. Please refer to <https://www.utoledo.edu/coronavirus/> on a regular basis for updates to current requirements or mandates. I also ask that you keep me informed of concerns you may have about class, completing course work/assignments timely and/or health concerns related to COVID.



### ACADEMIC AND SUPPORT SERVICES

Please view the [Learner Support](#) page for links and descriptions of the technical, academic, and student support services available to UT students.

### SAFETY AND HEALTH SERVICES FOR UT STUDENTS

Please use the following link to view a comprehensive list [Campus Health and Safety Services](#) available to you as a student.

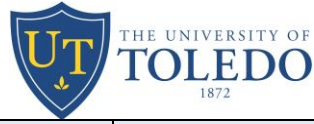
### INCLUSIVE CLASSROOM STATEMENT

In this class, we will work together to develop a learning community that is inclusive and respectful. Our diversity may be reflected by differences in race, culture, age, religion, sexual orientation, gender identity/expression, socioeconomic background, and a myriad of other social identities and life experiences. We will encourage and appreciate expressions of different ideas, opinions, and beliefs so that conversations and interactions that could potentially be divisive turn, instead, into opportunities for intellectual and personal development.

### COURSE SCHEDULE

WEEK	DATES	TOPIC	LEARNING OUTCOME(S)	ASSIGNMENTS DUE
		UNIT ONE	SLO 1	
1	Aug. 30-Sept. 5	Chapters 1 & 2		Read this syllabus, Register for Revel, and begin Chapters 1 & 2.
2	Sept. 6-12	Chapter 3		Ch 1-3 due Sept. 12 at 11:59pm.
3	Sept. 13-19	Chapter 4		Ch 4 due Sept. 19 at 11:59pm.
4	Sept. 20-26	Chapter 5		Ch 5 and <b>Unit One Exam</b> due Sept. 26 at 11:59pm.
		UNIT TWO	SLO 2	
5	Sept. 27-Oct. 3	Chapter 6		Ch 6 due Oct. 3 at 11:59pm.
6	Oct. 4-10	Chapter 7 & 8		Ch 7 & 8 due Oct. 10 at 11:59pm.
7	Oct. 11-17	Chapter 9		Ch 9 and <b>Unit Two Exam</b> due Oct. 17 at 11:59pm.
		UNIT THREE	SLO 2 & 3	
8	Oct. 18-24	Chapter 10		Ch 10 due Oct. 24 at 11:59pm.
9	Oct. 25-31	Chapter 11		Ch 11 due Oct. 31 at 11:59pm.
10	Nov. 1-7	Chapter 12		Ch 12 due Nov. 7 at 11:59pm.
11	Nov. 8-14	Chapter 13		Ch 13 and <b>Unit Three Exam</b> due Nov. 14 at 11:59pm.





		UNIT FOUR	SLO 3 & 4	
12	Nov. 15-21	Chapter 14		Ch 14 due Nov. 21 at 11:59pm.
13	Nov. 22-28	Chapter 15		Ch 15 due Nov. 28 at 11:59pm.
14	Nov. 29- Dec. 5	Chapter 16		Ch 16 due Dec. 5 at 11:59pm.
15	Dec. 6-12	Chapter 17		Ch 17 due Dec. 12 at 11:59pm.
16	Dec. 13-17	Exam Week		Unit Four Exam due Dec. 17 at 11:59pm.

**NOTE:** This syllabus and the content within are tentative and can change or be modified by the instructor at his or her discretion. If changes are made, the instructor will notify the course through Blackboard Announcements or through email.