

## Psychobiology

The University of Toledo  
College of Arts and Letters  
PSY2600-901 CRN: 41005  
3 credit hours

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<b>Office Hours:</b>	Th, 10-12:30; F, 9-11:30	<b>Course Website:</b>	<a href="#">Blackboard Learn</a>
<b>Office Location:</b>	UH5280C	<b>Instructor's Website:</b>	<a href="https://www.utoledo.edu/al/psychology/research/health_psychology_lab.html">https://www.utoledo.edu/al/psychology/research/health_psychology_lab.html</a>
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### COURSE/CATALOG DESCRIPTION

*The neural bases of behavior; topics include organization of the nervous system, perception and movement, learning and memory, emotion and motivation, drugs, language, and mental disorders..*

### COURSE OVERVIEW

This is a required basic psychology course for the major and there are no prerequisites. This course is designed to provide a general introduction to the structure and function of the nervous system as it relates to behavior psychological phenomenon.

### REQUIRED TEXTS AND MATERIALS

- 1. REVEL for Biopsychology – Access Card, 10<sup>th</sup> Edition John P.J. Pinel and Steven Barnes**  
ISBN-13: 9780134567730  
purchase price: (approx.) \$93.00
- 2. UToledo Blackboard**  
<https://blackboard.utdl.edu/>

### RECOMMENDED TEXTS AND MATERIALS

*None*

### WHERE DO I GET THE Text?

***\*You have two options. You can use the following instructions and weblink to purchase the text OR you can go to Rockets Bookstore on 3047 W Bancroft St. - 419-536-9154.***

This course uses a Pearson digital product which contains important assignments and resources used throughout the semester. The required link below is unique to this course. Here is how to register:

Revel Biopsychology, 10e, the course materials for Biopsychology 10/e PINEL

Here's how:

1. Go to: <https://console.pearson.com/enrollment/38yvml>

2. Sign in to your Pearson Account or create one.
3. Redeem your access code or purchase access online. (Temporary access option for financial aid is also available.)

What you should know:

- Bookmark <https://console.pearson.com> to easily access your materials.
- Pearson recommends using the latest version of Chrome, Firefox, or Safari with this digital product.
- Contact your instructor if you lose the invite link.

### **COURSE OBJECTIVES**

- a) To learn the definitions of key terms that comprise the vocabulary used by scientists in Biopsychology;
- b) To learn the basic concepts and principles that support biological explanations of behavioral processes and that drive research in Biopsychology;
- c) To learn how and when to apply these key terms, concepts, and principles appropriately, so that you can reason your way through new questions and problems in Biopsychology, as well as to identify how and when these terms, concepts and principles are used inappropriately; and
- d) To learn how it is that Biopsychologists have come to know what they know by using the scientific method, by using creative and critical thinking, and by using a specialized set of techniques to measure the structure and function of the brain in humans and nonhuman animals.

Achieving the objectives will prepare you not only for advanced study in this discipline, but will also allow you to appreciate and understand what it means to have a biological perspective of psychological and behavioral processes.

### **TEACHING STRATEGIES**

This online course is designed to stimulate student learning through the web-based delivery of readings, video, and audio, as well as collaborative activities involving asynchronous discussion. No on-campus meetings will be required.

This course is based on U-Pace, a proven online instructional method combining technology Blackboard with personalized help and support received via email. In PSY2600 follow the model schedule (completing approximately 2 unit quizzes every week) until you get the Unit quiz grade you desire (70% of your grade), completing module chapter quizzes embedded in REVEL (15% of your grade), and the comprehensive final exam (15% of your grade). When students follow the model schedule, they are done with 95% of the course in 14 weeks, earning full credit for quizzes before the end of the semester. This allows them to concentrate on studying for the final exam and doing well in their other courses.

You are in control. When you schedule time to work on the course each week is up to you. You determine when you are ready to read the text, complete the module quizzes, and take the two unit quizzes each week. You can go as fast as you want and complete module quizzes and 2 unit quizzes per week to finish the course early, depending on when materials are posted. Your section of PSY2600 is one of the first of its kind offered online at UT. Please be patient if we encounter any problems.

The structure of this course allows you to spend greater time on difficult topics and helps you manage multiple responsibilities, including doing well in other courses. This course structure has been proven in general psychology

courses to increase student learning, and students have also reported reduced feelings of stress and increased feelings of support for their learning.

***It is important that you check your utoledo email at least twice per week during this course to benefit from the personalized help with concepts and constructive support provided.***

### **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. The materials for any week will be posted by Monday morning of that week, if not earlier, under the appropriate Units folder. Begin each week on Monday by checking the model schedule and then viewing the content for the week under Units. You have the flexibility and freedom to determine the pace by which you complete the weekly materials and quizzes. Keep in mind that quiz grades will be computed on Friday, December 7th at 5:00pm. You will not receive credit for quizzes completed after this date.

### **PREREQUISITES**

*None*

### **HOW DOES THIS COURSE WORK?**

- This course combines web-based instruction on the Blackboard site with as much one-on-one help and support as you need every step of the way. You control the pace of your learning, with flexibility to work at the times best for you each week.

### **UNIT QUIZZES (26 total quizzes)**

- In this course you will be responsible for learning the material in 13 units, each equivalent to about a one or two chapters in the textbook. You will be taking 26 quizzes, two for each unit. Each quiz is 6 minutes long and consists of 10 multiple-choice questions.
- You can retake unit quizzes an unlimited number of times without penalty. The quiz retakes will have different questions. When you achieve at least 9 out of 10 correct on a quiz, you have passed that quiz. *Whether you earn 9 out of 10 correct or 10 out of 10 correct does not matter for your grade.* Your grade will reflect the number of quizzes you completed with at least 9 out of 10 correct. The goal is complete all 26 quizzes by the end of the semester.
- You will be able to track the number of passed quizzes in Blackboard grade center

### **MODULE QUIZZES embedded in REVEL**

- You are required to complete several short quizzes in REVEL as you read through each chapter. There are typically 5 questions per module quiz with each question worth 3 points initially, and decreases in value for each incorrect answer. You get 3 attempts to successfully answer each question, with 1 point deduction each time you incorrectly answer.
- You will be able to track your overall module quiz grade in REVEL.
- Note, these quizzes are spread across “six” assignments in REVEL. This is a quirk about REVEL, in that we can only include a maximum number of quizzes per assignment. All quizzes need to be completed by November 24<sup>th</sup>, despite the date of the assignments being Nov. 24-29<sup>th</sup>.

### **FINAL EXAM**

- A comprehensive final exam is scheduled on Monday, November 30th – Wednesday, December 2nd. The exam must be completed before 5:00pm Wednesday, December 2nd. There will be no exceptions made,

so it is recommended that you take the final exam on Monday to leave enough time for unexpected life events. The final exam is administered through Blackboard.

**WHAT IF I DON'T HAVE A COMPUTER WITH INTERNET ACCESS OR SOMETHING HAPPENS TO MY COMPUTER DURING THE COURSE?**

Use the computer labs on campus and computers in local libraries in your community. Dedicate hours to this course in an academic planner and follow your schedule.

**\*\*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).

**CAN I USE MY BOOK OR NOTES DURING A QUIZ, OR HAVE SOMEONE HELP ME WITH A QUIZ?**

No. The quizzes must be completed without books or notes, and without the help of anyone. Using your book or notes, getting someone else to take the quiz for you, or getting someone to help you during the quiz, are clear cases of academic dishonesty.

**HOW SOON CAN I RETAKE A UNIT QUIZ IF I EARN LOWER THAN 9 OUT OF 10 CORRECT?**

THE ONE-HOUR WAIT RULE FOR RETAKES

- **You must wait at least one hour before retaking a unit quiz.** Do not violate the one-hour wait rule for retakes! If you do not wait a full 60 minutes from the time you submitted a quiz before retaking the same quiz, your score will not be counted. You may work on another quiz during the 1-hour wait time, but it is recommended that you use this time to study for the quiz that was not passed.
- Taking the same unit quiz multiple times within an hour constitutes **cheating**. If you cheat, you may be given a permanent 0 for that quiz and may be asked to remove yourself from the course. More severe consequences for **academic dishonesty** may also be pursued.
- Computer problems (i.e., computer froze, etc.) are not valid excuses for violating the one-hour wait rule. If your unit quiz freezes, you must log back in to continue and then click "Submit Quiz" before beginning your one hour wait. More detailed instructions on what to do if your quiz freezes can be found at the end of this syllabus.
- The one-hour wait is for retaking the same unit quiz. If you completed a quiz with at least 9 out of 10 correct, you may immediately move on to the NEXT quiz without waiting.

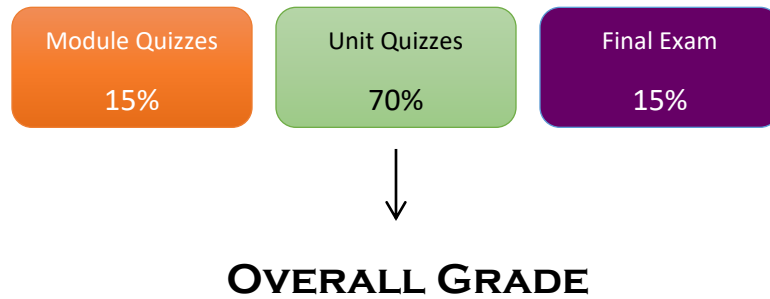
**WHAT IF I NEED SPECIAL ACCOMODATIONS? CAN I HAVE EXTRA TIME ON QUIZZES?**

- Unit quiz times have been extended for many students with a recognized disability. We want you to have what you need so you can be successful, so please don't hesitate or wait to tell us. I am happy to provide

whatever special accommodations the Office of Student Disability Services recommends that will allow you to fully participate and perform well in this course.

- If you have a recognized disability under the ADA, please provide me with documentation as soon as possible from the Office of Student Disability Services at the University.
- Students with disabilities may do better in this course than in a conventionally taught course, because they can go at their own pace.

#### HOW ARE STUDENTS GRADED?



#### Unit Quizzes (70% of your grade)

The majority of your grade in this course is based on the number of Blackboard unit quizzes you complete with at least 9 out of 10 correct. (Earning 10 out of 10 correct does not increase your grade).

Quizzes Completed	Quiz Points
26	70.0
25	67.3
24	64.6
23	61.9
22	59.2
21	56.5
20	53.8
19	51.2
18	48.5

17	45.8
16	43.1
15	40.4
14	37.7
Fewer than 16	0

Module Quizzes embedded in REVEL (15% of your grade)

As you read through Chapters in the text, you will be required to complete module quizzes that make up a small portion of your grade, but will reinforce your learning of concepts and will positively influence your grade on unit quizzes and the final.

There are several short quizzes for each chapter in REVEL. There are typically 5 questions per module quiz with each question worth 3 points initially, and decreases in value for each incorrect answer. You get 3 attempts to successfully answer each question, with 1 point deduction each time you incorrectly answer.

Module Quizzes are called “assignments” in REVEL, and you can view these assignments when you log in to the course. Note, these quizzes are spread across “six” assignments in REVEL. This is a quirk about REVEL, in that we can only include a maximum number of quizzes per assignment. All quizzes need to be completed by November 24<sup>th</sup>, despite the date of the assignments being Nov. 24-29<sup>th</sup>.

It is strongly recommended that you complete a chapter’s module quizzes before you attempt the Unit Quizzes. You will be able to track your overall module quiz grade in REVEL.

Final Exam (15% of your grade)

A comprehensive multiple-choice final exam will be available on Blackboard Monday, November 30<sup>th</sup> – Wednesday, December 2<sup>nd</sup> at 5:00pm EST. The exam is administered through blackboard, you will be emailed a password to open the exam on Monday November 30<sup>th</sup>.

**How to Calculate Overall Grade:**  $(\text{Quiz Points}) + (\text{Final Exam percentage} \times 0.15) + (\text{module quiz percentage} \times 0.15) = \text{final grade percentage}$

Grading Scale\*

A = 92.5 - 100%

A- = 90 - 92.49%

B+ = 87.5 - 89.99%

B = 82.5 - 87.49%

B- = 80 - 82.49%

C+ = 77.5 - 79.99%

C = 72.5 - 77.49%

C- = 70 - 72.49%

D+ = 67.5 - 69.99%

D = 62.5 - 67.49%

D- = 60 - 62.49%

F = 59.9% and below

W - if you withdraw from the course after the end of the drop period.

IN - Incomplete grades are only assigned in extraordinary circumstances beyond the student's control and only if the student has completed at least 10 unit quizzes with a passing grade. Under no circumstances will a student be allowed to retake an entire course in order to complete this course.

Not Attending - Failure to do assignments and take exams will be reported to the registrar and such non-attendance may affect your financial aid.

Incompletes will **not** be given for failure to successfully complete quizzes by the course deadline.

### **HOW CAN I EARN EXTRA CREDIT?**

No extra credit is available for this course

### **HOW SHOULD I STUDY IN THIS COURSE?**

- In this course, it is recommended that you set aside a minimum of 9 hours each week to study the material. The time you would have spent in class is freed up to study. You decide when to study and take your quizzes each week.
- Chapter content on REVEL provides many interactive activities to help supplement your learning experience, but are not required or graded.
- Each unit prepares you for two unit quizzes through chapter readings and module quizzes.
- Many students have to retake the quizzes a number of times before they achieve 9 out of 10 correct. Do not get discouraged! We are here to support you and help you understand all the material. It is our goal for every student to earn an "A" in this course and this is completely possible! If at any point you become confused or unsure about any aspect of the course, from material being covered to how to open course material, contact us right away! We will do whatever possible to help you to ensure your success.
- Do not get behind! Yes, this is a self-paced course, but it is recommended that you follow the model schedule and complete readings, module quizzes, and 2 unit quizzes each week (or go faster). Stay on track. Do not assume that you will be able to catch up if you fall too far behind in the beginning of the course. Some students underestimate how much time it takes to get 9 out of 10 correct on unit quizzes. Don't let this happen to you. Start off with a bang! Do as much as you can now, in case something happens later in the semester in another course or your life outside of school.
- Blackboard is typically slower during the end of the semester due to the large quantities of users during this time. Do not wait until the last week to try and take many quizzes, because you may have difficulties accessing the site quickly.

### **TECHNICAL SKILLS**

To succeed in this course, it will be important for learners to possess the following technical skills:

1. Rename, delete, organize, and save files.
2. Create, edit, and format word processing and presentation documents.
3. Copy, paste, and use a URL or web address.
4. Download and install programs and plug-ins.
5. Send and receive email with attachments.
6. Locate and access information using a web search engine.

7. Use chat or IM software for real-time communication.
8. Use a learning management system.

## TECHNOLOGY REQUIREMENTS

### Browser Check Page

Students need to have access to a properly functioning computer throughout the semester. [The Browser Check Page](#) will enable you to perform a systems check on your browser, and to ensure that your browser settings are compatible with Blackboard, the course management system that hosts this course.

### Software

Student computers need to be capable of running the latest versions of plug-ins, recent software and have the necessary tools to be kept free of viruses and spyware. The computer needs to run the following software, available in the [Online Learning Download Center](#).

- Word Processing Software
- Adobe Acrobat Reader
- Apple QuickTime Player
- Java Plugin Console
- Adobe Flash Player
- Adobe Shockwave Player
- Mozilla Firefox Browser - Recommended

### Internet Service

High-speed Internet access is recommended as dial-up may be slow and limited in downloading information and completing online tests. This course does contain streaming audio and video content.

### Use of Public Computers

If using a public library or other public access computer, please check to ensure that you will have access for the length of time required to complete tasks and tests. A list and schedule for on-campus computer labs is available on the [Open Lab for Students](#) webpage.

### UT Virtual Labs

Traditionally, on-campus labs have offered students the use of computer hardware and software they might not otherwise have access to. With UT's Virtual Lab, students can now access virtual machines loaded with all of the software they need to be successful using nothing more than a broadband Internet connection and a web browser.

The virtual lab is open 24/7 and 365 days a year at [VLAB: The University of Toledo's Virtual Labs](#).

## COURSE POLICIES

### Policy Statement on Academic Dishonesty

Academic dishonesty will not be tolerated. Please read [The University's Policy Statement on Academic Dishonesty](#).

### Copyright Notice

The materials in the course website are only for the use of students enrolled in this course for purposes associated with this course, and may not be retained or further disseminated.

### GRADING POLICIES

To be awarded a letter grade for this course, students must complete all of the following: course introduction/syllabus quiz, required quizzes, final exam.

Students are expected to complete and submit all quizzes and by Friday, December 7th at 5:00pm. Late assignments and make-up tests will not be permitted unless arrangements are discussed and approved well before



the required due date. Ask questions as soon as possible by email or by phone if you do not understand an assignment

### AMERICANS WITH DISABILITIES ACT

The Americans with Disabilities Act (ADA) requires that reasonable accommodations be provided for students with physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. In accordance with the ADA and university policy, if you have a documented disability and require accommodations to obtain equal access in this course; please contact the instructor at the beginning of the semester to discuss any necessary accommodations. Please contact Student Disability Services for verification of eligibility at 419-530-4981 (voice) or 419-530-2612 (TDD).

### COMMUNICATION GUIDELINES

#### Email:

Students are expected to check their UT email account at least two (2) times/week for important course information. This class is being taught for you, so if you are having trouble understanding any aspect of it, please let me know. I am here to help, and will do my best to respond to email within 24 to 48 hours. Emails or phone messages received after Friday's at 4:00pm will be answered the following Monday.

#### Netiquette:

It is important to be courteous and civil when communicating with others. Students taking online courses are subject to the communication regulations outlined in the Student Handbook. To ensure your success when communicating online, take time to familiarize yourself with the "dos" and "don'ts" of [Internet etiquette](#).

### TECHNICAL SUPPORT

**\*\*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).

### LEARNER SUPPORT

The University of Toledo offers a wide range of academic and student support services that can help you succeed:

#### eTutoring Services

[The Ohio eTutoring Collaborative](#), in partnership with The University of Toledo, now provides online tutoring support for all UT students. eTutoring Services are offered in a wide array of subjects, including Writing, Math, Calculus, Statistics, Accounting, Biology, Chemistry, and Anatomy and Physiology.

#### eLibrary Services Portal

The [eLibrary](#) is a customized gateway to UT Libraries for online students. It was designed to help you locate the best online library resources without leaving Blackboard.

#### Student Disability Services

[Student Disability Services](#) provides accommodations and support services to students with disabilities.

#### Counseling Center

[The Counseling Center](#) is the university's primary facility for personal counseling, psychotherapy, and psychological outreach and consultation services. The Counseling Center staff provide counseling

(individual and group), mental health and wellness programming, and crisis intervention services to help students cope with the demands of college and to facilitate the development of life adjustment strategies.

### **Services for Online Students**

Knowing what to do, when to do it, and who to contact can often be overwhelming for students on campus - even more so for distance learners. Visit the [Resources for Current Students](#) webpage to learn more about the wide range of services for online students.

## **Model Schedule**

### **UNITS**

#### **Week 1:**

Introduction to the Class

#### **Part I: What is Biopsychology?**

1. Biopsychology as a Neuroscience: What Is Biopsychology, Anyway?

Readings: Course Syllabus, Chapter 1

Take Quiz Introduction (does not count toward your grade)

Module Quizzes

Unit Quiz 1

#### **Week 2:**

#### **Part II: Foundations of Biopsychology**

2. Evolution, Genetics, and Experience: Thinking about the Biology of Behavior

Readings: Chapter 2

Module Quizzes

Unit Quiz 2

#### **Week 3:**

#### **Part II: Foundations of Biopsychology**

3. Anatomy of the Nervous System: Systems, Structures, and Cells That Make Up Your Nervous System

4. Neural Conduction and Synaptic Transmission: How Neurons Send and Receive Signals

Readings: Chapters 3 & 4

Module Quizzes

Unit Quiz 3 and Quiz 4

#### **Week 4:**

#### **Part II: Foundations of Biopsychology**

5. The Research Methods of Biopsychology: Understanding What Biopsychologists Do

Readings: Chapter 5

Module Quizzes

Unit Quiz 5 and Quiz 6

#### **Week 5:**

#### **Part III: Sensory and Motor Systems**

6. The Visual System: How We See

Readings: Chapter 6

Module Quizzes

Unit Quiz 7 and Quiz 8

#### **Week 6:**

#### **Part III: Sensory and Motor Systems**

7. Mechanisms of Perception: Hearing, Touch, Smell, Taste, and Attention: How You Know the World
8. The Sensorimotor System: How You Move

Readings: Chapters 7 & 8

Module Quizzes

Unit Quiz 9 and Quiz 10

**Week 7:**

**Part IV: Brain Plasticity**

9. Development of the Nervous System: From Fertilized Egg to You

Readings: Chapter 9

Module Quizzes

Unit Quiz 11

**Week 8:**

**Part IV: Brain Plasticity**

10. Brain Damage and Neuroplasticity: Can the Brain Recover from Damage?

Reading: Chapter 10

Module Quizzes

Unit Quiz 12 and Quiz 13

**Week 9:**

**Part IV: Brain Plasticity**

11. Learning, Memory, and Amnesia: How Your Brain Stores Information

Readings: Chapter 11

Module Quizzes

Unit Quiz 14 and Quiz 15

**Week 10:**

**Part V: Biopsychology of Motivation**

12. Hunger, Eating, and Health: Why Do Many People Eat Too Much?

13. Hormones and Sex: What's Wrong with the Mamawawa?

Readings: Chapters 12 & 13

Module Quizzes

Unit Quiz 16 and Quiz 17

**Week 11:**

**Part V: Biopsychology of Motivation**

14. Sleep, Dreaming, and Circadian Rhythms: How Much Do You Need to Sleep?

Readings: Chapter 14

Module Quizzes

Unit Quiz 18 and 19

**Week 12:**

**Part V: Biopsychology of Motivation**

15. Drug Use, Drug Addiction, and the Brain's Reward Circuits: Chemicals That Harm with Pleasure

Readings: Chapter 15

Module Quizzes

Unit Quiz 20 and Quiz 21

**Week 13:**

**PART VI: DISORDERS OF COGNITION AND EMOTION**

16. Lateralization, Language, and the Split Brain: The Left Brain and the Right Brain

Readings: Chapter 16

Module Quizzes  
Unit Quiz 22 and Quiz 23

**Week 14:**

**PART VI: DISORDERS OF COGNITION AND EMOTION**

17. Biopsychology of Emotion, Stress, and Health: Fear, the Dark Side of Emotion

Readings: Chapter 17

Module Quizzes

Unit Quiz 24

**Week 15:**

**PART VI: DISORDERS OF COGNITION AND EMOTION**

18. Biopsychology of Psychiatric Disorders: The Brain Unhinged

Readings: Chapter 18

Module Quizzes

Unit Quiz 25 and Quiz 26

**Tuesday, November 30th, 5:00pm**

Quiz grades will be computed on this date. Completion of quizzes past this date will not count toward your overall grade.

**Final Exam: Monday, November 30th – Wednesday, December 2nd**

Comprehensive final exam

\*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.