

# Psychology 302: Introduction to Biopsychology

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## Fall 2022 - SYLLABUS

<http://amygdala.psychdept.arizona.edu/psych302/>

(Backup site: <http://www.u.arizona.edu/~fellous/Psych302/>)

See also class policies

- |    |               |               |  |
|----|---------------|---------------|--|
| 1  | T             | Aug-23        | Introduction   |
|    | Th            | Aug-25        | Anatomy and physiology of a neuron (Chpt 2).   |
| 2  | T             | Aug-30        | Make them talk!: Neural communication (Chpt 2).  |
|    | Th            | Sep-1         | Finding your way around your brain: Cortex and Forebrain (Chpt 3).                                     |
| 3  | T             | Sep-6         | Finding your way around your brain: Midbrain, Hindbrain and peripheral nervous system (Chpt 3).        |
|    | Th            | Sep-8         | 'Those are the drugs in your brain...': Neurotransmitters and neuromodulators (Chpt 4).                |
| 4  | T             | Sep-13        | '...and this is your brain on drugs': How do drugs work? Drug Abuse (Chpt 4).                          |
|    | Th            | Sep-15        | How do we know you are telling the truth!?: Methods in research (Chpt 5).                              |
| 5  | T             | Sep-20        | Now you see it, now you don't: The first stages of visual processing (Chpt 6).                         |
|    | Th            | Sep-22        | Why what you see is what you think you see: Analysis of visual information (Chpt 6).                   |
| 6  | T             | Sep-27        | Dancing Waltz versus Hard Rock: The auditory and vestibular systems (Chpt 7).                          |
|    | <b>Th</b>     | <b>Sep-29</b> | <b>Midterm I (cumulative, Chapt 2-6).</b>  |
| 7  | T             | Oct-4         | Ouch! Yak! Pooh! : Pain, taste and olfaction (Chpt 7).   |
|    | Th            | Oct-6         | Bedtime! : The role and neurophysiology of sleep (Chpt 8).   |
| 8  | T             | Oct-11        | How you could have stayed up longer: Sleep disorders, and biological clocks (Chpt 8).                  |
|    | Th            | Oct-13        | Of birds and bees: Sex and sexual behavior (Chpt 9).   |
| 9  | T             | Oct-18        | It's all in your head...: Neural control of sexual and parenting behavior (Chpt 9).                    |
|    | Th            | Oct-20        | 'Liar, you don't really mean it!..': The neural bases of the experience of emotions (Chpt 10).         |
| 10 | T             | Oct-25        | Show that you care: The expression of emotions (Chpt 10).  |
|    | Th            | Oct-27        | Eat your food: The physiology of eating and drinking (Chpt 11).  |
| 11 | T             | Nov-1         | It's not how you look, it's how you feel: Neural basis and disorders of ingestive behaviors (Chpt 11). |
|    | <b>Th</b>     | <b>Nov3</b>   | <b>Midterm II (cumulative, Chapt 6-11).</b>  |
| 12 | T             | Nov-8         | Learning with your sea-horse: Synaptic plasticity, L.T.P. and L.T.D. (Chpt 12).                        |
|    | Th            | Nov-10        | I can see her face, but I can't put a name on it!: The different kinds of memory (Chpt 12).            |
| 13 | T             | Nov-15        | Ooops! I forgot : Memory deficits and disorders (Chpt 12).   |
|    | Th            | Nov-17        | Blah, Blah, Blah...: The neural basis of speech (Chpt 13).   |
| 14 | T             | Nov-22        | When things go wrong: Lesions, tumors, seizures (Chpt 14).   |
|    | Th            | Nov-24        | ThanksGiving - No class  |
| 15 | T             | Nov-29        | When things go wrong: Developmental and degenerative disorders (Chpt 14).                              |
|    | Th            | Dec-1         | When things go wrong: Schizophrenia, depression and anxiety disorders (Chpt 15).                       |
| 16 | T             | Dec-3         | When things go wrong: Autism, ADHD, and Stress (Chpt 16).  |
|    | <b>Monday</b> | <b>Dec-12</b> | <b>3:30-5:30pm - Final (comprehensive, Chapt 2-16). No early/makeup final.</b>                         |