

Psychology 302: Introduction to Biopsychology

Dr. Jean-Marc Fellous, Instructor

Fall 2017 - SYLLABUS

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

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

- 1 T Aug-22 Introduction
Th Aug-24 Anatomy and physiology of a neuron (Chpt 2).
 - 2 T Aug-29 Make them talk!: Neural communication (Chpt 2).
Th Aug-31 Finding your way around your brain: Cortex and Forebrain (Chpt 3).
 - 3 T Sept-5 Finding your way around your brain: Midbrain, Hindbrain and peripheral nervous system (Chpt 3).
Th Sept-7 'Those are the drugs in your brain...': Neurotransmitters and neuromodulators (Chpt 4).
 - 4 T Sept-12 '...and this is your brain on drugs': How do drugs work? Drug Abuse (Chpt 4).
Th Sept-14 How do we know you are telling the truth!?: Methods in research (Chpt 5).
 - 5 T Sept-19 Now you see it, now you don't: The first stages of visual processing (Chpt 6).
Th Sept-21 Why what you see is what you think you see: Analysis of visual information (Chpt 6).
 - 6 T Sept-26 Dancing Waltz versus Hard Rock: The auditory and vestibular systems (Chpt 7).
Th Sept-28 Midterm I (cumulative, weeks 1-5).
 - 7 T Oct-3 Ouch! Yak! Pooh! : Pain, taste and olfaction (Chpt 7).
Th Oct-5 Bedtime! : The role and neurophysiology of sleep (Chpt 8).
 - 8 T Oct-10 How you could have stayed up longer: Sleep disorders, and biological clocks (Chpt 8).
Th Oct-12 Of birds and bees: Sex and sexual behavior (Chpt 9).
 - 9 T Oct-17 It's all in your head...: Neural control of sexual and parenting behavior (Chpt 9).
Th Oct-19 'Liar, you don't really mean it!..': The neural bases of the experience of emotions (Chpt 10).
 - 10 T Oct-24 Show that you care: The expression of emotions (Chpt 10).
Th Oct-26 Eat your food: The physiology of eating and drinking (Chpt 11).
 - 11 T Oct-31 It's not how you look, it's how you feel: Neural basis and disorders of ingestive behaviors (Chpt 11).
Th Nov-2 Midterm II (cumulative, weeks 6-10).
 - 12 T Nov-7 Learning with your sea-horse: Synaptic plasticity, L.T.P. and L.T.D. (Chpt 12).
Th Nov-9 I can see her face, but I can't put a name on it!: The different kinds of memory (Chpt 12).
 - 13 T Nov-14 Ooops! I forgot : Memory deficits and disorders (Chpt 12).
Th Nov-16 Blah, Blah, Blah...: The neural basis of speech (Chpt 13).
 - 14 T Nov-21 When things go wrong: Lesions, tumors, seizures (Chpt 14).
Th Nov-23 No Class (Thanksgiving).
 - 15 T Nov-28 When things go wrong: Developmental and degenerative disorders (Chpt 14).
Th Nov-30 When things go wrong: Schizophrenia, depression and anxiety disorders (Chpt 15).
 - 16 T Dec-5 When things go wrong: Autism, ADHD, and Stress (Chpt 16).
- Monday Dec-11 10:30-12:30pm - Final (comprehensive, weeks 1-16). No early/makeup final.**