

# 260-2017-11-08-exam-3-review

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# Emotion, stress, & reward

- Biological perspectives on (e.g., Plutchik)
- Acute vs. chronic stressors
- Nodes in fear processing/stress network
- Nodes in 'reward' network

# Depression

- Monoamine hypothesis
- Serotonin role
- Treatments for

# Schizophrenia

- Dopamine hypothesis
- Glutamate hypothesis
- Brain abnormalities

# Bipolar disorder

- Treatments for
- How differs from/similar to depression, schizophrenia

# Sensory systems

- Topographic maps
- Non-uniform sensitivity
- Hierarchical processing (and thalamic relay)
- Functional segregation

# Sensory systems

- Speed of information processing
- Primary sensory/motor areas in cortex
- Receptive fields

# Somatosensation & pain

- Touch, temperature, pain receptors in skin
- Pathways to cortex
- How pain relievers work



# Brain evolution & development

- Pre-natal milestones
- Post-natal trends