**Module Goals**

The student will:
- understand the anatomy, development, physiology, and radiological features of the nervous system and concepts of consciousness, perception, and emotion.
- obtain the history and perform a nervous system clinical examination, including the mental status exam.
- learn clinical, pathological, etiological, and therapeutic features, including pharmacologic modalities of common neurological and psychiatric conditions.
- gain an appreciation and deepened compassion for patients with diseases of the brain and mind.

**Weekly Themes**

Week 1: Nervous System and Psychopathology Overview
Week 2: Sensory Systems, Cortical Lesions, Anxiety Disorders
Week 3: Synapses, Child Psychopathology & Neurology
Week 4: Spinal Cord, Reticular Formation, Mood Disorders
Week 5: Diencephalon, Stroke, Personality Disorders
Week 6: Limbic System, Movement Disorders, Psychosis
Week 7: Basal Ganglia, Cerebellum, ID, Trauma, Delirium
Week 8: Special Senses, Developmental/Degenerative Disorders
Week 9: Review and Module Exam

**Case-Based Synthesis Topics**

Week 1: The Human Brain
Week 2: The Uncomfortably Numb Store Manager
Week 3: The Irritable Group Home Resident
Week 4: The Disequilibrated Disc Jockey
Week 5: The Stuttering Stormy Custodian
Week 6: The Slow Schizophrenic Shuffler
Week 7: The Sleepy Sega Player
Week 8: The Combative Computer Cadet

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**Description**

This module introduces students to the normal anatomy, development, physiology and radiological features of the human nervous system. Clinical assessment of the nervous system, including history taking and the mental status exam, will be practiced. The pathology and pharmacological treatment of diseases of the nervous system and mind will be understood, and compassion for individuals with these disorders deepened.

**Module Pedagogy**

Lecture: 64 hours
Team-based Learning: 10 hours
Self-Study using guided reading: 20 hours
Online Cases: 16 hours
Neuroanatomy Laboratories: 16 hours
Neuropathology Laboratories: 10 hours

**Major Competencies**

Demonstrate knowledge of the clinical manifestations of common conditions and disorders
Understand the epidemiology for common conditions and disorders

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**Table**

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<th>Week 2</th>
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<th>Tu</th>
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<tbody>
<tr>
<td>8-8:50 AM</td>
<td>Integration Conference Case Introduction</td>
<td>Self-directed Neuro-Development Review and TBL</td>
<td>Pharmacology Overview 1</td>
<td>Neurology Exam: Cranial Nerves</td>
<td>Individual and Group Quizzes</td>
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<tr>
<td>9-9:50 AM</td>
<td>Sensory Systems Overview</td>
<td>Case Discussion</td>
<td>Pharmacology Overview 2</td>
<td>Neurology Exam: Motor, Sensory, Gait</td>
<td>Group Case Activity</td>
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<tr>
<td>10-10:50 AM</td>
<td>Special Senses Overview</td>
<td>Horizontal Brain Section Lab</td>
<td>Anxiety Disorders</td>
<td>Coronal Brain Section Lab</td>
<td>Group Case Activity</td>
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<tr>
<td>11-11:50 AM</td>
<td>Language, Praxis, Gnosis: Patient Stories and Videos</td>
<td>Horizontal Brain Section Lab</td>
<td>Anti-Anxiety Drugs</td>
<td>Coronal Brain Section Lab</td>
<td>Multidisciplinary Rounds</td>
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