# Human Physiology Schedule

## Membrane Electrophysiology
- **Aug 30**: BRB 252, Dr. Hoshi - Action Potentials/ Voltage-gated Ion Channels
- **Sept 1**: BRB 252, Dr. Hoshi - Synaptic Transmission and Ligand-gated Ion Channels
- **Sept 4**: No Class: Labor Day

## Nervous System
- **Sept 6**: BRB 252, Dr. Thomas - Nervous System
- **Sept 8**: BRB 252, Dr. Thomas - Central Nervous System
- **Sept 11**: BRB 252, Dr. Thomas - Peripheral Nervous System

## Muscle Physiology
- **Sept 13**: BRB 252, Dr. Ostap - Contractile Proteins and Striated Muscle-1
- **Sept 15**: BRB 252, Dr. Ostap - Striated Muscle-2
- **Sept 18**: BRB 252, Dr. Ostap - Smooth Muscle
- **Sept 20**: BRB 252, Dr. Prosser - Skeletal and Cardiac Muscle Signaling

## Cardiovascular System
- **Sept 25**: BRB 252, Dr. Margulies - Myocardial Physiology and Cardiac Pump Function
- **Sept 27**: BRB 252, Dr. Margulies - Vascular Physiology
- **Sept 29**: BRB 252, Dr. Margulies - Cardiovascular Integration: Concepts Revealed Through Pathology
- **Oct 2**: No Class: Self Study
- **Oct 4**: EXAM 1 (Membranes, Neuro, Muscle, Cardiovascular)

## Endocrine Physiology
- **Oct 6**: BRB 252, Dr. Titchnell - Overview; Neuroendocrinology
- **Oct 9**: No Class: Columbus Day
- **Oct 11**: BRB 252, Dr. Titchnell - Thyroid; Adrenal
- **Oct 13**: BRB 252, Dr. Titchnell - Glucose homeostasis; Diabetes; Obesity

## Reproductive Physiology
- **Oct 16**: BRB 252, Dr. Masson - Male Reproductive Physiology
- **Oct 18**: BRB 252, Dr. Mainigi - Female Reproductive Physiology
- **Oct 20**: BRB 252, Dr. Dokras - Fertilization

## Respiratory System
- **Oct 23**: No Class
- **Oct 25**: BRB 252, Dr. Kozyak - Why We Breathe, How We Breathe
- **Oct 27**: BRB 252, Dr. Kozyak - Gas exchange
- **Oct 30**: BRB 252, Dr. Stedman - Control of Respiration AND Integration of Basic Science & Clinical Care

## Integration
- **Nov 1**: BRB 252, Dr. Khurana - Integrative Responses to Exercise
<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Instructor</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Nov 3</td>
<td>BRB 252</td>
<td>Dr. Khurana</td>
<td>Integrative Responses to the Environment</td>
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<td>Nov 6</td>
<td>BRB 252</td>
<td>Dr. Bahrainwala</td>
<td>Organization of the Kidney and Glomerular Filtration</td>
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<td>Nov 8</td>
<td>BRB 252</td>
<td>Dr. Bahrainwala</td>
<td>Renal Regulation of Sodium Balance</td>
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<td>Nov 10</td>
<td>BRB 252</td>
<td>Dr. Leonberg-Yoo</td>
<td>Renal Regulation of Potassium and Acid Balance</td>
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<td>Nov 13</td>
<td>BRB 252</td>
<td>Dr. Leonberg-Yoo</td>
<td>Renal Regulation of Water Balance</td>
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Nov 15  No Class: Self Study

Nov 17 EXAM 2 (Endocrine, Reproductive, Respiratory, Integration, Renal)

Digestive System
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<th>Date</th>
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<tbody>
<tr>
<td>Dec 1</td>
<td>BRB 252</td>
<td>Dr. Wells</td>
<td>GI tract structure and motility</td>
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<tr>
<td>Dec 4</td>
<td>BRB 252</td>
<td>Dr. Wells</td>
<td>Absorption</td>
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<tr>
<td>Dec 6</td>
<td>BRB 252</td>
<td>Dr. Wells</td>
<td>The integrated response to a meal</td>
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<tr>
<td>Dec 8</td>
<td>BRB 252</td>
<td>Dr. Wells</td>
<td>Liver physiology</td>
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Dec 11 EXAM 3 GI

4/14/2017