2018 Minicourses

To sign up for minicourses, please reference the below courses along with course details available at this link [1]. Please note the separate tabs for each of the program's courses.

Please refer to instructions provided by your home graduate program for the mini course selection process.

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<thead>
<tr>
<th>Module</th>
<th>Course Name</th>
<th>Course Number</th>
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<tbody>
<tr>
<td>1</td>
<td>Modern Approaches in Evolution</td>
<td>Biochem 210</td>
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<tr>
<td>1</td>
<td>Principles in Virology</td>
<td>Biochem 210</td>
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<td>1</td>
<td>Fundamentals of Microbial Pathogenesis</td>
<td>BMS 270/Biochem 210</td>
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<td>1</td>
<td>Applied Biostatistics</td>
<td>BMS 270</td>
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<td>1</td>
<td>Current approaches to quantitative proteomics in biology</td>
<td>BMS 270</td>
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<td>1</td>
<td>CANCELLED Angiogenesis and Vascular Biology</td>
<td>BMS 270/DSCB 270</td>
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<td>1</td>
<td>Advanced Topics in Pediatric Oncology</td>
<td>BMS 270</td>
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<td>1</td>
<td>Cancer Immunogenomics: The interaction between tumor genetics and immune response</td>
<td>BMS 270</td>
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<td>1</td>
<td>Computational Immunology</td>
<td>BMS 270/BMI 219</td>
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<td>1</td>
<td>CANCELLED Proteomics and Mass Spectometry</td>
<td>CCB 219</td>
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<td>1</td>
<td>Practical Bioinformatics with Programming</td>
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<td>1</td>
<td>Principles of Pharmacogenomics</td>
<td>PSPG 219</td>
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<td>1</td>
<td>Computation by Cells (Previously listed in error as Synthetic Biology)</td>
<td>BP 219</td>
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<tr>
<td>2</td>
<td>Protein Quality Control</td>
<td>Biochem 210</td>
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<td>2</td>
<td>The CRISPR Revolution</td>
<td>Biochem 210/DSCB 270/BMS 270</td>
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<td>2</td>
<td>Cellular Robotics</td>
<td>Biochem 210/BP 219</td>
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<td>2</td>
<td>Neuro-Oncology</td>
<td>BMS 270</td>
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<td>2</td>
<td>Introduction to Human Biology and Medicine (GEMS)</td>
<td>BMS 270</td>
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<td>2</td>
<td>Genomics and Next-Generation Sequencing Applications in Microbiology</td>
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<td>2</td>
<td>Epigenetics of Development and Disease</td>
<td>BMS 270/DSCB 270</td>
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<td>2</td>
<td>CANCELLED Neuroinflammation</td>
<td>NS 219</td>
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<tr>
<td>2</td>
<td>Introduction to computer-aided design (CAD)</td>
<td>NS 219</td>
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<td>2</td>
<td>CANCELLED Molecular Mechanisms of Drug Toxicity</td>
<td>PSPG 219</td>
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<td>2</td>
<td>CANCELLED Challenges in Conformational Biology</td>
<td>BMI 219</td>
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<td>2</td>
<td>Introduction to Mathematical Modeling for Cell Biologists: how to build and analyzing simple models to interpret your data</td>
<td>BP 219/BMS 270/Biochem 210</td>
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<td>2</td>
<td>Deep Learning for Biological Research</td>
<td>BMI 219</td>
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<td>2</td>
<td>CANCELLED Scientific Software Development</td>
<td>BMI 219</td>
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<td>1 and 2</td>
<td>Drug Discovery</td>
<td>CCB 219</td>
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<td>3</td>
<td>The Protein Homeostasis network in health and disease</td>
<td>Biochem 210/CCB 219</td>
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<td>3</td>
<td>Inheritance and Maintenance of Cell Fate</td>
<td>Biochem 210</td>
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<td>3</td>
<td>Biology at the Extremes: Organisms and Physiology</td>
<td>BMS 270</td>
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<td>3</td>
<td>Controversies in Human Nutrition</td>
<td>BMS 270</td>
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<td>3</td>
<td>Neurobiology of Epilepsy and Associated Cognitive Disorders</td>
<td>BMS 270/NS 219</td>
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<td>3</td>
<td>Special Topics in Microbial Pathogenesis</td>
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<td>3</td>
<td>Viral Immunology</td>
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<td>3</td>
<td>The Human Microbiome</td>
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<td>Features and mechanisms of neurodegenerative diseases: focus on data derived from studies in humans</td>
<td>BMS 270</td>
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<td>Development, disease, and evolution through the lens of single cell analysis</td>
<td>BMS 270/DSCB 270</td>
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<td>3</td>
<td>CANCELLED Simulating Mechanism-based Models</td>
<td>PSPG 219</td>
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<td>CANCELLED PKPD of Biologics</td>
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<td>3</td>
<td>Advanced Chemical Synthesis: From Classic Synthesis to Modern Strategies</td>
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<td>3</td>
<td>CryoEM and Image Analysis</td>
<td>BP 219/Biochem 210</td>
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<tr>
<td>2</td>
<td>CANCELLED Neuroscience of Speech Perception and Production</td>
<td>Christoph Schreiner</td>
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<td>3</td>
<td>Modularity in Biological Regulation, Evolution, and Engineering: Domains, Circuits and Engineered Therapeutic Cells</td>
<td>Wendell Lim</td>
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