<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
<th>Grading Basis</th>
<th>Typically Offered</th>
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</thead>
<tbody>
<tr>
<td>DSBS 5500</td>
<td>Embryology and Craniofacial Biology</td>
<td>0.1-5</td>
<td>Deals with the chemical basis of biological organization and function. Emphasis is given to topics</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>most directly relevant to oral health and disease.</td>
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<tr>
<td>DSBS 5502</td>
<td>Microanatomy</td>
<td>0.1-5</td>
<td>This course will cover initially the structure and function of cells and tissues and progress to</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>study the normal structural features of the organs of the body, as the basis for understanding</td>
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<td>pathologic conditions and disturbances of function.</td>
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<tr>
<td>DSBS 5504</td>
<td>Human Anatomy</td>
<td>0.1-10</td>
<td>This course covers the anatomy of major body systems with emphasis on head and neck structures.</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<tr>
<td>DSBS 5506</td>
<td>Oral Histology</td>
<td>0.1-5</td>
<td>This course will cover the details of tooth development and the histological features of the oral</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>tissues, to include: salivary glands, oral epithelia, oral lymphatic tissue, enamel, dentin,</td>
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<td>cementum, oral bone and the periodontal ligament. Requirement: Department Consent</td>
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<tr>
<td>DSBS 5507</td>
<td>Molecular Biosciences</td>
<td>0.1-5</td>
<td>This course provides in-depth consideration of the biochemical, molecular biology and genetic</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>mechanisms that control protein synthesis, gene expression and cellular function.</td>
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<tr>
<td>DSBS 5508</td>
<td>Physiology</td>
<td>0.1-5</td>
<td>Deals with fundamentals of human physiology from basic cellular processes, such as membrane</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>transport, to the organization and control of organ systems.</td>
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<tr>
<td>DSBS 5511</td>
<td>Invaders and Protectors</td>
<td>0.1-5</td>
<td>This course covers basic principles of general and medical microbiology with emphasis on oral</td>
<td>Letter Grade with IP</td>
<td>Spring.</td>
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<td>microorganisms while integrating the response of the immune system to fight these invaders.</td>
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<tr>
<td>DSBS 5516</td>
<td>Pathology</td>
<td>0.1-5</td>
<td>This course assists the student in learning the etiology, pathogenesis, and the changes in</td>
<td>Letter Grade with IP</td>
<td>Summer.</td>
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<td>structure and function of specific disease entities on selected organ systems and how these changes</td>
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<td></td>
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<td>relate to the practice of dentistry.</td>
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<tr>
<td>DSBS 6600</td>
<td>Fundamentals of Pharmacology</td>
<td>0.1-10</td>
<td>Part one of a two-course sequence. Intensive study of drugs used in dental practice with emphasis</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>on the basic principles of drug action. Lectures and clinical correlations are employed.</td>
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<tr>
<td>DSBS 6603</td>
<td>Applied Clinical Pharmacology</td>
<td>0.5-10</td>
<td>Part two of a two-course sequence. Intensive study of drugs used in dental practice with emphasis on</td>
<td>Letter Grade with IP</td>
<td>Spring.</td>
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<td>the basic principles of drug action. Lectures and clinical correlations are employed.</td>
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<tr>
<td>DSBS 6604</td>
<td>Advanced Head and Neck Anatomy</td>
<td>0.1-5</td>
<td>This course will review concepts initially introduced in DSBS 5504 Human Anatomy (DS1 Fall) and</td>
<td>Letter Grade with IP</td>
<td>Fall.</td>
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<td>provide more detail through prosections of cadavers with a focus on the anatomy of the head and</td>
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<td>neck.</td>
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<tr>
<td>DSBS 6603</td>
<td>Applied Clinical Pharmacology</td>
<td>0.5-10</td>
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<tr>
<td>DSBS 6604</td>
<td>Advanced Head and Neck Anatomy</td>
<td>0.1-5</td>
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<tr>
<td>DSBS 6605</td>
<td>Fundamentals of Pharmacology</td>
<td>0.1-10</td>
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<tr>
<td>DSBS 6606</td>
<td>Advanced Head and Neck Anatomy</td>
<td>0.1-5</td>
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<tr>
<td>DSBS 6607</td>
<td>Advanced Head and Neck Anatomy</td>
<td>0.1-5</td>
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