

<b>Course Title</b>	General Biochemistry		
<b>Semester</b>	2-2	<b>Course Type</b>	Core
<b>Course Number</b>	27743-00	<b>No. of Credit</b>	3/3/0
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<b>Objective</b>	<p>The aim of the this lecture is to provide the basic knowledge of the essential components of biological system and the fundamental function of these components and to inform their systematic interaction in a living organism.</p>		
<b>Syllabus</b>	<ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Protein composition and structure I</li> <li>3. Protein composition and structure II</li> <li>4. Exploring proteins and proteomes</li> <li>5. Exploring genes and genomes</li> <li>6. Hemoglobin</li> <li>7. Enzymes: Basic concepts and kinetics</li> <li>8. Catalytic strategies</li> <li>9. Regulatory strategies</li> <li>10. Carbohydrates</li> <li>11. Lipids and cell membrane</li> <li>12. Membrane channels and pumps</li> <li>13. Signal transduction</li> </ol>		