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| Course Number Course Name | CHEM 341 SURVEY OF BIOCHEMISTRY |
| Credit Value (Breakdown of theory and lab credits) | 3 Theory |
| Catalog Course Description | Covers the basic principles of biochemistry, including properties of nucleic acids, proteins, carbohydrates, fats, and lipids, while also introducing the chemistry of metabolic pathways, pH regulation, membranes and receptors, cell organization, enzymes kinetics and mechanisms, hormonal regulation, energy transformations, chemical reactions in living cells, ATP synthesis and use, and biochemical genetics. |
| Student Learning Outcomes/Objectives /Competencies of the Course | Objectives: <ol style="list-style-type: none"> 1. To learn the basic chemical and structural features of important classes of biomolecules, for example peptides, carbohydrates and nucleic acids. 2. To learn the principles of these molecules interactions and dynamics in cellular systems. 3. To learn the basic features of various metabolic pathways. |
| College-Wide Student Learning Outcomes | <ol style="list-style-type: none"> 1. <i>Communication</i> <i>Students will present scholarly research on topics related to Biochemistry and communication of research will be assessed.</i> |