**Biochemistry**

**GC/Bchem-201**

**Checklist of Course Content**

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| **Course Content** | **Sources of Course Material** |
| 1. **Physical Aspects of Biochemistry**

**a) Buffers and Buffer solutions****b)Indicators and choice of suitable indicator** | * <https://www.slideshare.net/zoraizhaiderzoraizhaider/buffers-60163379>
* <https://www.slideshare.net/RIZWANABBAS3/buffer-solution-81189860>
 |
| 1. **Hydrogen ion concentration**
 | * <https://www.slideshare.net/ECRD2015/measurement-of-hydrogen-ion-concentration-p-h>
* <https://www.slideshare.net/ECRDIN/hydrogen-ion-concentration>
 |
| 1. **Colloidal solution with water as dispersing liquid**
 | * <https://www.slideshare.net/RIZWANABBAS3/colloids-81189444>
* <https://www.slideshare.net/devadevi666/colloids-presentation-slides-67383606>
 |
| 1. **Osmosis and osmotic pressure, surface tension and emulsions**
 | * <https://www.slideshare.net/makoye1954/colligative-properties-111544776>
* <https://www.slideshare.net/Urendersingh/last-50698919>
 |
| 1. **Sources of important ions calcium, magnesium, iron, sulphur and iodine**
 | * <https://www.slideshare.net/thelawofscience/ions-14227838>
 |
| 1. **Carbohydrates introduction, classification, biological oxidation and neutralization**
 | * [www.slideshare.net/SaifulIslam750/carbohydrates-and-its-classification](http://www.slideshare.net/SaifulIslam750/carbohydrates-and-its-classification)
* <https://www.slideshare.net/syed_ismail/carbohydrates-28872311>
 |
| 1. **Fats, introduction, classification, biological oxidation**
 | * <https://www.slideshare.net/drjayeshpatidar/fats-as-a-nutrient>
* <https://www.slideshare.net/daxamehta/fats-29486179>
 |
| 1. **Proteins introduction, classification, amino acids and their classification and biological utilization of urea cycle**
 | * <https://www.slideshare.net/sidrajaved2/proteins-62894897>
* <https://www.slideshare.net/DeepakKumarGupta2/proteins-50519365>
 |
| 1. **Enzymes introduction, classification, mode of action, factors affecting activities and application.**
 | * <https://www.slideshare.net/ArunViswanathan3/enzyme-199841983>
* <https://www.slideshare.net/virgo_az/enzymes-67777081>
 |
| 1. **Blood circulatory system Composition and chemistry of blood synthesis.**
 | * <https://www.slideshare.net/nithin_87/blood-64034444>
* <https://www.slideshare.net/KhanSaif2/blood-composition-and-function>
 |
| 1. **Hormones Introduction, classification, chemical nature, role of hormones in the regulation of metabolism.**
 | * <https://www.slideshare.net/Sanzux/harmones-cology-ppt-finalppt1>
* <https://www.slideshare.net/arshadchemist1/hormones-43307402>
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