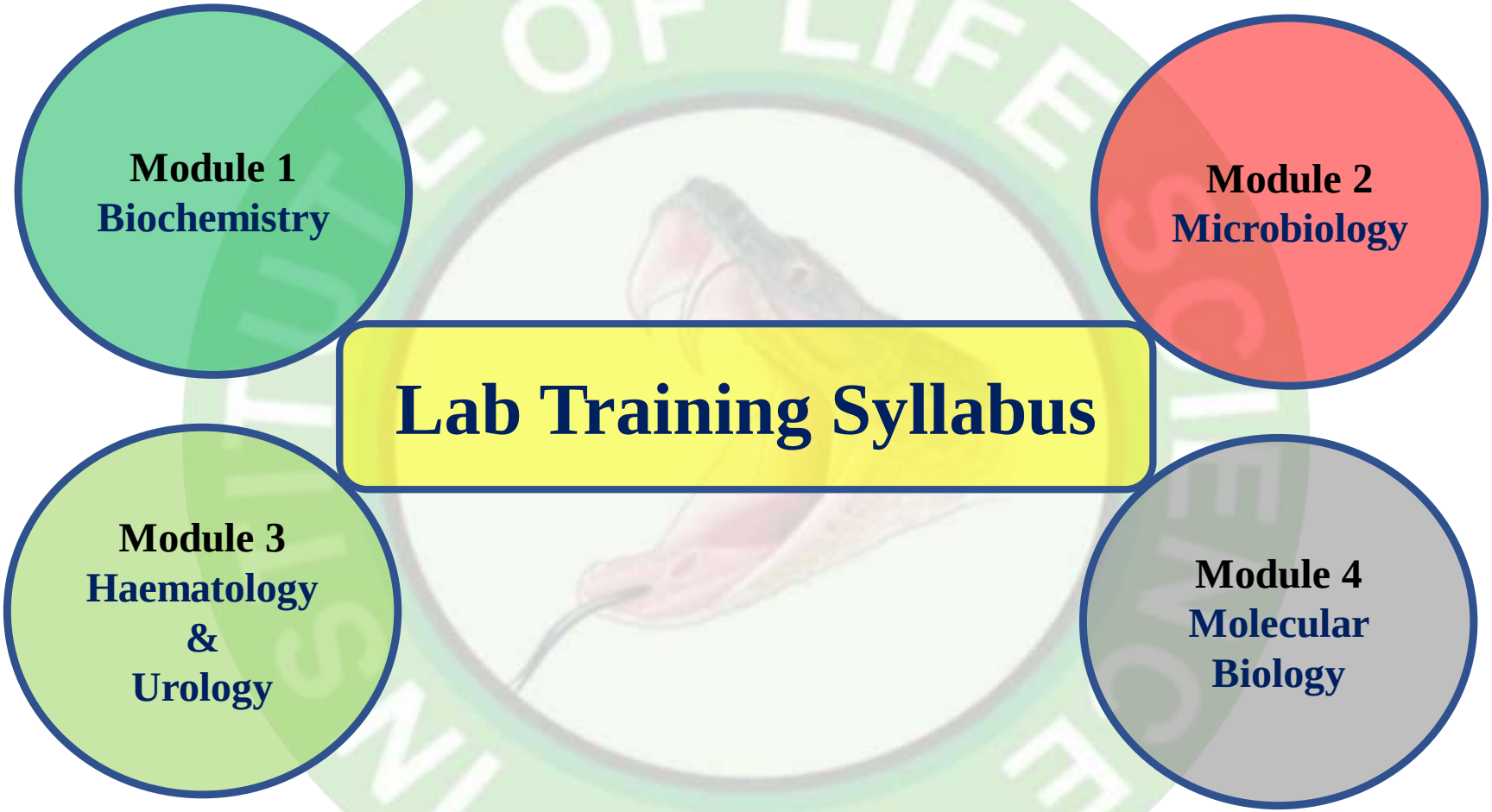
INSTITUTE OF LIFE SCIENCE



Module 1: Biochemistry

Duration: 15 Days, Fee: 3,500 + GST

1. General and Safety Instructions.
2. Good Laboratory Practices.
3. Principle and Handling of Laboratory Equipments.
4. Basics of Calculations, Weighing and Measurements.
5. Preparation of Reagents, Stock Solutions & Methods of Labelling and Storage.
6. Process of Sterilization and Decontamination.
7. Salt Precipitation.
8. Solvent precipitation
9. Buffer Preparation
10. Qualitative and quantitative test of carbohydrates
11. Qualitative and quantitative test of protein
12. Casein isolation from milk
13. Lactic acid detection in milk
14. Determination of acid value of fat
15. Salivary amylase activity assay at different temperature and pH
16. Estimation of saponification number of fat
17. Estimation of alkalinity of water
18. Isolation of mucin from saliva
19. Free dissolved CO2 estimation in water sample
20. pH determination of saliva
21. Determination of pH of different water sample

Module 1: Biochemistry

Duration: 30 Days, Fee: 5,100 + GST

1. General and Safety Instructions.
2. Good Laboratory Practices.
3. Principle and Handling of Laboratory Equipments.
4. Basics of Calculations, Weighing and Measurements.
5. Preparation of Reagents, Stock Solutions & Methods of Labelling and Storage.
6. Process of Sterilization and Decontamination.
7. Salt Precipitation.
8. Solvent precipitation
9. Buffer Preparation
10. Qualitative and quantitative test of carbohydrates
11. Qualitative and quantitative test of protein
12. Bradford's Method
13. Lowry's method
14. Casein isolation from milk
15. Lactic acid detection in milk
16. Determination of acid value of fat
17. Salivary amylase activity assay at different temperature and pH
18. Estimation of saponification number of fat
19. Estimation of alkalinity of water
20. Isolation of mucin from saliva

1. **Free dissolved CO2 estimation in water sample**
2. **BOD estimation**
3. **COD estimation**
4. **pH determination of saliva**
5. **Determination of pH of different water sample**
6. **Detection of Thiocynate in saliva**
7. **Quantitative determination of catalase activity in bloob**