

  
**MANGALORE UNIVERSITY**  
**DEPARTMENT OF BIOSCIENCES**  
**M.Sc. ENVIRONMENTAL SCIENCE**

**ESP459 ANALYTICAL AND STATISTICAL METHODS LAB**

**Course Outcomes:**

CO1 Learn the use of statistics in the interpretation of environmental data.

CO2 Gain the knowledge of spectrophotometry.

CO3 Learn different analytical techniques.

1. Determination of calcium and magnesium from different samples.
2. Analysis of hardness in water samples.
3. Analysis of alkalinity in water samples.
4. Ion exchange separation of anions and cations
5. Spectrophotometric determination of silicates
6. Statistical analysis of experimental data.

