

**UNIVERSITY OF MADRAS**  
**M.Sc. DEGREE PROGRAMME IN CHEMISTRY**  
**SYLLABUS WITH EFFECT FROM 2023-2024**

**Title of the Course: 524C4D: CORE INDUSTRIAL**

**MODULES Paper Number: CORE X**

**Suggestive topics for Core Industry Modules:**

**1. Industrial Processes Recommended**

**Text:**

1. H.A.Strobel, Chemical Instrumentation: A Systematic approach, 2<sup>nd</sup> Edition (1973)Addition Wesley, Reading, Mass
2. R.L.Pecsok, L.D. Shields, T.Cavins and L.C.Mcwilliam, 2<sup>nd</sup> Edition (1976), john Wiley & Sons, New York
3. E.W.Berg, Chemical Methods of Separations, 1<sup>st</sup> Edition (1963), McGraw Hill, New York

**2. Chemometrics and quality**

**control in industry Recommended**

**Text:**

4. G.D.Christian, Analytical chemistry, 5<sup>th</sup> edition (1994), John Wiley & Sons, New York
5. M.A. Sharat and D.L. Illuran, Chemometrics, John Wiley, New York
6. Canlcutt and R. Roddy, Statistics for Analytical Chemists, Chapman and Hall, New York.