

SYLLABUS :-

Introduction to Simple and Complex Worksystems and Relevance of Human Factors or Ergonomics; History and Recent Trend in Human Factors; Anatomy, Posture, and Body Mechanics; Anthropometric Principles in Worksystem Design; Design of Manual Handling Tasks and Hand Tools; Workload, Work Capacity and Fitness for Work; Measuring Work by Physiological Methods; Choice of Work Posture; Fatigue Measurement and Evaluation; Physical Work and Heat Stress, Noise Exposure and Hearing Loss, Design of Thermal, Auditory, and Lighting in Physical Environment; Industrial Product Design; Illumination at Work; Whole Body Vibration; Design of VDT Work Station.

Textbooks

- Human Factors in Engineering and Design, Sanders, M. S. and McCormick, E. J., McGraw-Hill, Sixth Edition.
- Introduction to Ergonomics, Bridger, R. S., McGraw-Hill, 1995.
- A Guide to the Ergonomics of Manufacturing, Halender, M., East-West Press (Taylor and Francis), 1996.