

Industrial Hygiene Evaluation Methods

Syllabus: Hazardous Agents and Factors: Instantaneous or Real-Time Sampling, Integrated or Continuous Sampling, Personal Sampling, Area Sampling; Physical Agents: Sound, Radiation, Temperature Extremes; Chemical Agents: Toxic, Flammable, Corrosive & Reactive Chemicals; Biological Agents; Evaluation of Airborne total Particulate: Air Sampling Pump with a PVC Filter Medium and Dorr-Oliver Cyclone; Asbestos Fibers; Airborne Metal Dusts and Fumes: Evaluation of Airborne Particulate: Direct-Reading Aerosol Meter: Light Scattering, Piezoelectric Resonant Oscillation; Airborne Organic Gases and Vapors: Air Sampling Pump with a Solid/Liquid Adsorbent Medium; Airborne Bio-aerosols: Air Sampling Pump with an Impactor and Nutrient Agar Medium: Growth Media for Bio-aerosols, Concentration of Bio-aerosols; Evaluation of Pulmonary Function: Integrated Electronic Spirometer ; Evaluation of Personal Hearing Thresholds: Audiometer; Heat Stress: Wet-Bulb Globe Temperature Assembly and Meter; Evaluation of Illumination: Lux Meter; Airborne Ionizing Radiation: & Radiation Meter; Evaluation of Personal Protective Equipment (PPE): Dermal, Respiratory and Hearing Protective Devices.