Instructors Guide:
The subject areas for each lecture were largely derived from the American Board of Preventive Medicine’s Syllabus and are listed for your guide/convenience. Please feel free to adapt the lecture format to your personal style (e.g., case studies, quiz, lecture, e.t.c). However, to the extent possible, please cover as many of the topics listed as possible even if only briefly.

*PS: The final exam is scheduled for 9-3-02. Please send a minimum of 5 (Maximum of 10) multiple choice questions for each lecture to Winmi (via e-mail attachment) by August 22, 2002. Thanks.*

**Occupational Exposures**

**Gases and Other Inhalants, LaDou, Chapter 33**
- Combustion products, Irritant gases, metal anhydrides, chemical asphyxiants, simple asphyxiants and chlorofluorocarbons

**Chemicals, LaDou, Chapter 28**
- Acids, alkalis, acrylamide, acrylonitrile, aromatic amines, carbon disulfide, chloromethyl ethers, dibromochloropropane, dimethylaminopropionitrile, ethylene oxide, formaldehyde, nitrates, nitrosamines, pentachlorophenol, polychlorinated biphenyls, polycyclic aromatic hydrocarbons, styrene, dioxins, vinyl chloride

**Solvents, LaDou, Chapter 29**
- Physicochemical properties, organ system/health effects, aliphatics & alicyclics, aldehydes, alcohols, aromatics, ketones, acetates, peroxides, ethersand glycol ethers.

**Plastics and Rubber, LaDou, Chapters 30 & 31**
- Resin & plastic processing, thermoplastics, polypropylene, polystyrene, acrylics, thermosets, other polymers and the rubber industry.

**Metals, LaDou, Chapter 27**
- Aluminum, antimony, arsenic (& arsine), beryllium, boron, cadmium, chromium, lead, manganese, mercury, nickel, phosphorus, selenium, thallium, tin, vanadium, zinc and hazards of welding.

**Biological Hazards:** Rosenstock & Cullen Chapter 28 M (8-19-02)
- Animal exposures, Plant Vegetable exposures, Microbial & Infectious diseases.
  - Dairy and laboratory animal exposures, health effects of plant & vegetable exposures, microbial/infectious diseases: Influenza, pneumonia, measles, mumps rubella, varicella; Acute gastrointestinal infections, occupational zoonoses & immunizations.

Required Text: Occupational & Environmental Medicine, Joseph LaDou. Appleton & Lange
Pesticides, LaDou, Chapter 32  
- Fungicides
- Herbicides (chlorophenoxy compounds, thiocarbamates)
- Insecticides -carbamates, chlorinated hydrocarbons (dibenzodioxins, dibenzofurans), organophosphates, piperonyl butoxide,
- Repellents
- Fumigants

Physical Hazards:  
Heat, Cold, Electrical & Radiation  
LaDou, Chapter 12  
- Hypothermia, heat disorders, electrical injuries, nonionizing & ionizing radiation injuries, lasers

Physical Hazards:  
Vibration, High & Low Pressure Environments  
LaDou, Chapter 12  
- Decompression & compression sickness, whole body vibration, vibration white finger, high pressure injection injuries.

Final Exam:  
Tues (9-3-02)