ENOH-0659

Occupational Health Practices 1-4pm Summer 2002 (Rm 211)

Course Director: Omowunmi Osinubi, MD, M.Sc., FRCA
Co-Director: Robert Laumbach, MD, MPH, CIH
Updated 7-3-02

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 Wunmi (via e-mail attachment) by August 22, 2002 thanks.*

Occupational Exposures	Dates	Instructor
Gases and Other Inhalants, LaDou, Chapter 33	M (8-12-02)	Osinubi

- *Combustion products, Irritant gases, metal anhydrides, chemical asphyxiants, simple asphyxiants and chlorofluorocarbons*

Chemicals, LaDou, Chapter 28 T (8-13-02) Osinubi

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

Solvents, LaDou, Chapter 29 W (8-14-02) Osinubi

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

Plastics and Rubber, LaDou, Chapters 30 & 31 Thu (8-15-02) Osinubi

- *Resin & plastic processing, thermoplastics, polypropylene, polystyrene, acrylics, thermosets, other polymers and the rubber industry.*

Metals, LaDou, Chapter 27 F (8-16-02) Laumbach

- *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) Udasin
Animal exposures, Plant& Vegetable exposures, Microbial & Infectious diseases.

- *Dairy and laboratory animal exposures, health effects of plant & vegetable exposures, microbial/infectious diseases: Influenza, pneumonias, measles, mumps rubella, varicella; Acute gastrointestinal infections, occupational zoonoses & immunizations.*

Required Text: Occupational & Environmental Medicine. Joseph LaDou. Appleton & Lange
Reference Text: Textbook of Clinical Occupational and Environmental Medicine. Rosenstock & Cullen. Saunders

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Pesticides, LaDou, Chapter 32 T (8-20-02) Medora

- *Fungicides*
- *Herbicides (chlorophenoxy compounds, thiocarbamates)*
- *Insecticides -carbamates, chlorinated hydrocarbons (dibenzodioxins, dibenzofurans), organophosphates, piperonyl butoxide,*
- *Repellents*
- *Fumigants*

Physical Hazards: W (8-21-02) Laumbach
Heat, Cold, Electrical &Radiation
LaDou, Chapter 12

- *Hypothermia, heat disorders, electrical injuries, nonionizing & ionizing radiation injuries, lasers*

Physical Hazards: Th (8-22-02) Laumbach
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)

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