

Lecture Topics CHEM 1003 Summer 2009

May 12: Atoms, elements in the body, isotopes, origin of food, chemical arithmetic, concentration units and homeopathy, states of matter

May 14: Overview of Organic Chemistry (carbon to candles); Energy and Food

May 19: Lipids: Fats and Oils

May 21: Carbohydrates

May 25-29 Classes suspended

June 2: Amino acids and proteins

June 4: Nucleic Acids and Genes; Minerals

June 9: Vitamins; Food additives

June 11: Poisons, Toxins, Hazards, Risks

June 12 or 13 Mid term examination (2 hours) **40% of final grade**

Covers material in 1st 6 classes

June 16: Acids and Bases; Medicines and Drugs (Part I)

June 18: Medicines and Drugs (Part II); Lifestyle Drugs: Nicotine, Caffeine, Alcohol

June 23: Fitness; Food Production; Agricultural Chemistry

June 25: Herbal Supplements; Weight Loss Schemes; Diet fads

FINAL EXAMINATION (3 hours) will be on June 30, July 2, 3 or 4

Covers all material, but emphasis on material in last 6 classes: **60% of final grade**