

CHEM4402 Final Study List
(new material)

CH	Topic
22	Products made from amino acids: roles of porphyrins (heme), creatine, glutathione, histamine, catecholamine, neurotransmitters, nitric oxide
22	nucleotide biosynthesis: salvage vs. <i>de novo</i> pathways
22	nucleotide biosynthesis: major features of purine biosynthesis
22	nucleotide biosynthesis: major features of pyrimidine biosynthesis
22	nucleotide biosynthesis: regulation of purine/pyrimidine biosynthesis
22	nucleotide biosynthesis: deoxyribonucleotide biosynthesis
22	nucleotide biosynthesis: Nucleotide <i>triphosphates</i> from <i>monophosphates</i>
22	nucleotide degradation: intermediates, primary end products for purine/pyrimidine pathways
23	fates of carbohydrates
23	fates of amino acids
23	fates of fatty acids & acetyl-CoA
23	fates of nucleotides
23	Liver metabolism: waste metabolism & detoxification
23	major metabolic functions of liver, adipose, muscle(s) & brain
23	Specific hormone action: insulin & glucagon activity