

**BIOL 101**  
**Perspectives in Biology**  
**FALL SEMESTER 2008**

1 Credit.

Instructor: J G Cloud

Office: Room 238 Gibb Hall

Office Hours: 3:00-4:00 pm MWF

**LECTURE OUTLINE**

Aug	25	Introduction / Undergraduate research activities
	27	Advising / Important dates in the Academic Calendar (Pat McCarroll)
Sept	01	Labor Day / No Class
	03	Medical / Dental Sciences (Dr. Rolf Ingermann) / overview of cell structure
	08	Dr. Matt Anway / the nucleus / chromosomes
	10	Dr. Larry Forney / prokaryotes vs eukaryotes
	15	DNA and genes
	17	Dr. Gary Daughdrill / peptides and proteins
	22	Dr. James Nagler / promoters: controlling gene expression
	24	Exam
	29	Dr. Eva Top / mRNA, rRNA, tRNA
Oct	01	Dr. Scott Nuismer / the genetic code
	06	Dr. Rolf Ingermann / ribosomes
	08	endoplasmic reticulum / Golgi complex
	13	secretory vesicles / plasma membrane
	15	Dr. Barrie Robison / carbohydrates and lipids
	20	mitochondria
	22	Dr. Rosenblum / cellular respiration
	27	Exam
	29	cell cycle
Nov	03	review
	05	Final Exam

**Exams**

There will be two one-hour exams and a comprehensive final.

All lecture exams will be comprehensive; that is, they will always cover everything from the beginning of the course.

Exam questions will be based upon material presented in lectures and assigned readings.

All students will be required to take the final exam.

Exams may contain take-home questions

Each hour exam and the final exam is worth 150 points

**Excused Absence**

An absence from class is excused if it is due to a medical problem; a medical problem is defined as any physiological compromise that requires medical attention (a visit to a medical facility).

Participation in extracurricular activities is not a valid basis for an excused absence; if there is any question, see me first.