

**Tentative Lecture Schedule  
Spring 2009 L211 Molecular Biology  
Instructor: Justin P. Kumar**

**Reading and Topic Schedule**

**January 12-16**

chapter 1: The Mendelian View of the World  
chapter 22: Model Organisms

**January 19-23**

chapter 2: Nucleic Acids Convey Genetic Information  
chapter 6: The Structures of DNA and RNA

**January 26-30**

chapter 7: Genome Structure, Chromatin and the Nucleosome

**February 2-6**

chapter 8: The Replication of DNA

**February 9-13**

chapter 9: The Mutability and Repair of DNA

**February 16-20**

chapter 11: Site-Specific Recombination and Transposition of DNA

**February 23-27**

chapter 12: Mechanisms of Transcription

**March 2-6**

chapter 13: RNA splicing  
chapter 15: The Genetic Code

**March 9-13**

chapter 14: Translation

**March 16-20**

Spring Break

**March 23-27**

chapter 14: Translation

**March 30-April 10**

chapter 16: Gene Regulation in Prokaryotes  
chapter 17: Gene Regulation in Eukaryotes

**April 13-24**

chapter 19: Gene Regulation During Development and Evolution  
chapter 18: Regulatory RNAs

**April 27-May 1**

chapter 20: Genome Analysis and Systems Biology  
chapter 21: Techniques of Molecular Biology

## **Exam Schedule**

### **First Midterm Exam**

January 30, 2009  
in class JH124

### **Second Midterm Exam**

February 20, 2009  
in class JH124

### **Third Midterm Exam**

March 13, 2009  
in class JH124

### **Fourth Midterm Exam**

April 10, 2009  
in class JH124

### **Fifth Midterm Exam**

May 1, 2009  
in class JH124

You will have the entire class period for each of your exams.

# Course Information

## Text Book

Molecular Biology of the Gene 6<sup>th</sup> Ed Watson et al., 2007

## Lecture Schedule (Date, Time, Place)

MWF 9:05-9:55am JH124

## Office Hours

Justin Kumar: Mon, Wed 7:30-8:30am Myers Hall Rm 202

Abby Henderson Th 8:30-10:30am Myers Hall Rm 202

Adam Gleason: Wed 1:00-3:00pm Jordan Hall Library

Jeff Papiernik: Thurs 12:15-2:15pm Chemistry Rm C046

## Midterm Exams

All midterm exams are in JH 124 during the normal class period

Friday Jan 30, 2009

Friday Feb 20, 2009

Friday Mar 13, 2009

Friday Apr 10, 2009

Friday May 1, 2009

## Grading

Each midterm will have 40 multiple-choice questions. Each question is worth 2.5 points for a total of 100 points for each midterm. The combined total number of available points for the midterms and thus the course is 500 points

I will add 5 points (1%) to your total points automatically and then determine your final percentage. If it is not a whole number I will always round up to the next number. I will use this final number to determine your final grade.

Grades	Scale		Points Required for the Lowest Grade
	97-100	A+	485
	94-96	A	470
	90-93	A-	450
	87-89	B+	435
	84-86	B	420
	80-83	B-	400
	77-79	C+	385
	74-76	C	370
	70-73	C-	350
	60-69	D	300
	59 and below	F	

NO MAKEUP OR EARLY EXAMS

### **Exam Policy**

The scores from all five midterms will count towards your final grade. There are no early or makeup exams for missed tests. A hospitalization (of the enrolled student) and/or the death of a member of the nuclear family (mother, father, brother, sister, spouse or child) are the only exceptions to this policy. In both cases, appropriate documentation is required.

### **Exams and Answer Keys**

All exams and answer keys will be posted on the course website shortly after the exam is administered and graded.

### **Old Exams and Answer Keys**

A set of old exams and answer keys will be placed on the course website. These are intended as a study guide. Be aware that there may not be an exact correlation between last year's and this year's exam.

### **PowerPoint Lectures**

Each week's lectures will be placed on the course website as PowerPoint files. The files will remain on the site for one week. Students are responsible for downloading the files to computers and printing of lectures.

### **Reading Assignments**

Each week's reading assignments will be placed on the course website as PDF files. The files will remain on the site for one week. Students are responsible for downloading and printing reading assignments.

### **Syllabus**

The syllabus can be found on the course website as a Word file. The file will remain on the site for the entire semester. Students are responsible for downloading and printing the syllabus.

### **FAQs**

On the web site there is a set of frequently asked questions (FAQs). If you have a question regarding the course please refer to these questions/answers before contacting the instructor, AI or UTIs. The FAQ section will be periodically updated to include new questions.

### **Academic Integrity**

Cheating (in any form) is prohibited in this course. Students who are caught cheating will automatically receive an F grade for the entire course. Such students will be immediately reported to the appropriate university officials.

### **Course website**

All information regarding this course including this syllabus, old exams and answer keys, current exams and keys, lectures, reading assignments, FAQs and announcements can be found at the following web site: <http://www.bio.indiana.edu/~kumarlab/index.htm>