

CHEM 3813 Biochemistry - Nucleic Acids

Instructor: Dr. Michelle Knowles
Office: SGM 101
Office hours: M 1-2pm, W 9-10am
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Class time: 11-11:50 MWF, 103 Boettcher



Book: Principles of Biochemistry, 5th Edition, Lehninger

Chapters Covered:

Chapter	Topic	Dates
8	Nucleotides and Nucleic Acid Structure	Week 1
9	DNA based information technologies	Week 2
24	Genes and Chromosomes	Week 3-4
25	DNA metabolism	Week 4-5
26	RNA metabolism	Week 5-6
27	Protein Metabolism	Week 6-7
28	Regulation of Gene Expression	Week 8-9
	Talks on current Nucleic Acid Research	Week 9-10

Grading (250 points possible):

- Group presentations on current scientific research (50 pts)
 - 5 points will be given for attending a chemistry departmental seminar and writing a one page summary of the science and what you liked or disliked about the speaker's style. 4pm Thursdays.
 - I will provide topics and journal articles on Blackboard. If you have a specific interest, please contact me.
 - I will assign the groups.
- Problem Sets will be given to provide example exam questions. They will not be collected or graded. We will go over some problems in class.
- Exams – all exams are 50 minutes, lowest score dropped. A study guide will be provided.
 - In class exams (100 pts each, 2 exams) Dates: April 8, May 4
 - Final Exam (100 pts, includes course material and presentations)
Date: Thursday, June 2, 12-1:50pm

Sick Policy: There will be no make-up exams, but you can drop your lowest score from the three exams.