Biology 844.80 Molecular Biotechnology

Syllabus

All chapter assignments refer to Molecular Biotechnology, 3rd Ed. by Glick & Pasternak

Week 1 – 1/12-16 – Protein Structure and Function – Timed online quiz available 1/16
Name and define the protein assignment (20 pts) Due 1/23 by 11:59PM Central
Chaperonin assignment (10 pts) Due 1/23 by 11:59PM Central Time
Independent material on protein purification and kinetics problems

Week 2 – 1/20-23 – Nucleic Acid Biochemistry – Timed online quiz available 1/23
Reference Chapter 3

Week 3 – 1/26-30 – The Genetic Dogma – Timed online quiz available 1/30
Reference Chapter 3
Intron assignment (10 pts) Due 2/6 by 11:59PM Central Time

Week 4 – 2/2-2/6 – Basics of Molecular Biology 1 – Timed online quiz available 2/6
Reference Chapters 4&5

Week 5 – 2/9-13 – Basics of Molecular Biology 2 – Test 1 timed online portion starts 2/13
Take Home portion of Test 1 available for download 2/13 due 2/20 by 11:59 PM Central Time

Week 6 – 2/16-20 – Chapters 6&7 – Timed online quiz available 2/20
Paper review or assignment assigned 2/20 due 2/27 by 11:59 PM Central Time

Week 7 – 2/23-27 – Chapter 8 – Timed online quiz available 2/27

Week 8 – 3/2-3/6 – Chapter 9 – Timed online quiz available 3/6
Paper review or assignment assigned 3/6 due 3/13 by 11:59 PM Central Time

Week 9 – 3/9-13 – Chapter 10 – Timed online quiz available 3/13

Week 10 – 3/23-27 – Chapters 11&12 – Test 2 timed online portion available 3/27
Take Home portion of Test 2 available for download 3/27 due 4/3 by 11:59 PM Central Time

Week 11 – 3/30-4/3 – Chapters 13&14 – Timed online quiz available 4/3
Paper review or assignment assigned 4/3 due 4/10 by 11:59 PM Central Time

Week 12 – 4/6-10 – Chapter 15 – Timed online quiz available 4/10

Week 13 – 4/13-17 – Chapter 17&18 – Timed online quiz available 4/17
Paper review or assignment assigned 4/17 due 4/24 by 11:59 PM Central Time

Week 14 – 4/20-4/24 – Chapters 19&20 – Timed online quiz available 4/24
Final week – 5/4-5/8 – Timed online portion available 5/4-5/8
Take Home portion available for download 5/1 due 5/8 by 11:59 PM Central Time

The Basics:
The Instructor: Paul G. Twigg, BHS, Phone: 865-8315; twiggp@unk.edu
Other phone numbers: Dept- 865-8548, Dept. Head- 865-8603, NSS Dean- 865-8518

Grading: Grades will be assigned using the standard grading scale for the Department of Biology, as follows: A (93-100%), A- (90-92%), B+ (88-89%), B (83-87%), B- (80-82%), C+ (78-79%), C (73-77%), C- (70-72%), D+ (68-69%), D (63-67%), D- (60-62%), and F (below 60%).

Course Point Totals:
2 Regular Exams (150 pts each) - 300 pts
1 Final Exam (200 pts) - 200 pts
12 Online quizzes (10 pts each) - 120 pts
Assignments/Paper reviews (10-20 pts each) - 120 pts
Total - 740 pts

Course Policies-
*All course assignments are to be submitted as email attachments in Microsoft Word format. Yes, I’m picky about it, and will deduct points if I have trouble opening your assignments.

*Policy on plagiarism: Anyone caught plagiarizing any exercise will receive a 0 for that exercise; subsequent violations will result in referral to the Vice Chancellor for Academic Affairs for dismissal from the university.

*Policy on incomplete: To be considered for an incomplete in Biology 822.80:
1. You must submit the reasons you cannot complete the scheduled work. This must include a copy of your class schedule and description of your responsibilities outside the classroom. This should be done in writing and include confirmation from your employer or doctor when appropriate.
2. You must specify the assignments you have missed and a schedule of plans to complete them.
3. You must submit a copy of the above information to the Chair of the Department of Biology and the Dean of Natural and Social Sciences.
4. Upon completion of items 1-3, your request for an incomplete will be considered.
I expect all students to progress through the requirements for Biology 822.80 in a timely fashion. Unless your circumstance is quite remarkable, do not consider an incomplete.

*Tests and quizzes will not be rescheduled without valid reason.
Students with Disabilities
The university is committed to providing support for students with disabilities. Any student with a physical, learning, emotional, and/or psychological disability is encouraged to stop by the Academic Success Office, room 163 MSAB, and make an appointment with David Brandt, Disabilities Coordinator. Appointments can also be made by calling 865-8214 or by emailing brandtl@unk.edu. If you have an accommodation plan please see me as soon as possible so we can make arrangements necessary for your learning. No accommodations can be provided until a Reasonable Accommodation Plan is in place. Please remember that an accommodation plan is not retroactive and cannot be used for assignments prior to the date of my signature.