BIOCHEMISTRY LABORATORY (CHEMISTRY 376)
FALL 2015

RECITATION  Remsen 355 Mondays 1:40–2:30 PM
LABORATORY  Remsen 355 Mondays 2:40–6:30 PM

Instructor: Mohamed Nasef (mohamed.nasef@qc.cuny.edu)
Coordinator: Prof. S. Kumar (Sanjai.Kumar@qc.cuny.edu); Remsen 117C

Monday  Laboratory Exercise
8/31  Characterization of plasmid DNA (Part I)
9/7  No Class
9/10 (Thurs)  Characterization of plasmid DNA (Part II)
9/14  No Class
9/21  Characterization of plasmid DNA (Part III): Computer exercise
9/28  Structural analysis of a dipeptide (Part I)
10/5  Structural analysis of a dipeptide (Part II)
10/12  Columbus Day (No Class)
10/19  Introduction to molecular modeling (Part I)
10/26  Introduction to molecular modeling (Part II)
11/2  Determination of protein mass by size exclusion chromatography
11/9  Purification of lactate dehydrogenase by affinity chromatography (Part I)
11/16  Purification of lactate dehydrogenase by affinity chromatography (Part II)
11/23  Purification of lactate dehydrogenase by affinity chromatography (Part III)
11/30  Kinetics of glucose oxidase (Part I)
12/7  Kinetics of glucose oxidase (Part II)
12/14  Check-out and Review
12/21  Final Exam (Room 355, 1:45-3:45 pm)

Course Grade:
For each lab exercise, a written report will be due within 1 week following the conclusion of each exercise.

Reports (50%), Final Exam (30%), Quizzes (20%)

Boyer, R. “Modern Experimental Biochemistry” (3rd Edition), San Francisco, CA; Benjamin Cummings (2000).
# Report & Quiz due dates

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<tr>
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