

## **BMB 803: Protein Structure and Function, Fall 2005**

**Classroom:** 1279 Anthony Hall

**Class Hours:** 10:20 – 11:10, Tuesday & Thursday

**Instructors:**

Honggao Yan, 8/30-11/3, 313A Biochemistry, x3-5282, [yanh@msu.edu](mailto:yanh@msu.edu)

Leslie Kuhn, 11/8-12/8, 502D Biochemistry, x3-8745, [KuhnL@msu.edu](mailto:KuhnL@msu.edu)

**Office Hours:** There are no defined office hours, and you are encouraged to meet with the instructor whenever useful, by arranging a time.

**Required Materials:** While there is no required textbook for the course, we highly recommend the following books and have ordered them through the MSU Bookstore: Introduction to Protein Structure by Branden & Tooze (preferably 2<sup>nd</sup> edition, 1998, which has several errors corrected), and Structure and Mechanism in Protein Science by Alan Fersht. Much of the material we will cover is discussed in these books.

**Books on Reserve in BPS Library:** Introduction to Protein Structure by Branden & Tooze, Structure and Mechanism in Protein Science by Alan Fersht, Protein Structure and Function by Petsko & Ringe, and Introduction to Protein Architecture: the Structural Biology of Proteins by Lesk.

**Examinations:** There will be three examinations in the course, the first two covering Dr. Yan's material and the third (final) exam covering Dr. Kuhn's material. Thus, the exams will not be cumulative. Exams 1 and 2 each count 2/9 of the course grade (100 points each). Dr. Yan requires a report on an enzyme, which also counts 2/9 of the course grade (100 points). Dr. Kuhn includes short take-home assignments given in class, which together count 1/9 of the course grade (50 points), and Exam 3 (given at the official final exam time – see below) will count 2/9 of the course grade (100 points). The exams should take 2 hours to complete, although you can take more time if you want during the first two exams; time for the last exam is limited to 2 hours due to final exam room scheduling.

Exam 1: Oct. 6, 7pm, 101 Biochemistry Bldg., covering lectures from Aug. 30 to Sept. 29

Exam 2: Nov. 10, 7pm, 101 Biochemistry Bldg., covering lectures from Oct. 4 to Nov. 3

Exam 3: Dec. 13, 10:00-12:00 noon, Room to be announced, covering lectures from Nov. 8 to Dec. 8

**Holidays:** Thursday, November 24 is the first day of the two-day Thanksgiving holiday at MSU; there will be no class that day.