

# Biochemistry Course Syllabus (2017 spring)

## 1. Basic course information

- Course number: 19002910
- Course name: Biochemistry
- Credit: 4
- Time: 4 pm – 8:30 pm (Thursday)
- Location: 逸夫楼 B-202
- Textbook: Lehninger Principles of Biochemistry (Sixth Edition)
- Textbook authors: David L. Nelson and Michael M. Cox
- Instructor: 于涵洋
- Instructor email: hanyangyu@nju.edu.cn
- Instructor office: 鼓楼校区蒙民伟楼 1412

## 2. Assessment of students

- In-class quiz (30%)
  - In-class quiz starts from the second week.
  - Quiz is focused on the topic covered in the previous week.
  - Quiz score is available no later than next Monday.
  - Questions about score of this week's quiz must be raised by the end of the following week. Appeal received after that will NOT be honored.
  - In total 16 quizzes. Take the average of 13 highest scores as your final score.
- Student presentation (30%)
  - Student presentation takes place on Thursday, June 15, 2017.
  - Each student needs to choose a topic, do research, prepare PowerPoint slides and present your findings to the class.
  - Each student gives a 10-minute presentation, followed by Q&A.
  - You can choose to present in English (with bonus points) or Chinese or both.
- Final exam (40%)

### 3. Course schedule

<b>Week</b>	<b>Topic</b>
1	Foundations of Biochemistry
2	Amino acids, Peptides and Proteins
3	Protein Structures
4	Protein Functions
5	Enzyme Catalysis Part I
6	Enzyme Catalysis Part II
7	Carbohydrates
8	Nucleic Acids
9	Lipids
10	Glycolysis
11	Citric Acid Cycle and Oxidation of Fatty Acids
12	Amino Acid Oxidation and Production of Urea
13	Oxidative Phosphorylation
14	Carbohydrate Biosynthesis
15	Lipid Biosynthesis
16	Biosynthesis of Amino Acids, Nucleotides
17	Student Presentation
18	Special Topics, Q&A, etc.