



## **MB206 August 3:0**

### **Conformational and structural aspects of biopolymers**

#### **Instructor**

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#### **Teaching Assistant**

Email:

**Department: Molecular Biophysics Unit (MBU)**

Course Time: Mon, Wed, Fri 11am to 12noon on all the three days

Lecture venue: MBU Seminar Hall

Detailed Course Page:

#### **Announcements**

#### **Brief description of the course**

This course is aimed to educate students on the fundamentals of molecular conformation (3-D structural aspects). Conformational features and energetics of peptides, proteins and nucleic acids will be covered.

This course may be taken by any PhD or senior UG students hoping to learn about structure and dynamics of biomolecules

#### **Prerequisites**

None

#### **Syllabus**

Basic ideas on structure and conformation of simple molecules - Structural features of proteins and nucleic acids - Aspects of biomolecular forces - Higher order structural organization of proteins and nucleic acids

#### **Course outcomes**

A student of this course is expected to have learnt about 3-D aspects of molecules in general and in particular, peptides, proteins and nucleic acids.

#### **Grading policy**

50% for assignments and mid-term test

50% for the final examination

## **Assignments**

## **Resources**