



**UB205 January to April 2:0**

## **Introductory Physiology**

### **Instructor**

Medhamurthy R

Email: rmm@iisc.ac.in

### **Teaching Assistant**

Neethu Sara Alex

Email: Neethu@iisc.ac.in

**Department: Old Physics Building**

Course Time: Mon and Thur 10-11 Am

Lecture venue: G21

Detailed Course Page:

## **Announcements**

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

Physiology deals with operation of specific organ systems. Focuses on the functions of the body, often at the cellular or molecular level. For understanding health and human disease, it is necessary to know how the physiological mechanisms promote a healthy organism in order to rectify a diseased state

### **Prerequisites**

none

### **Syllabus**

Introduction

Homeostasis

Kidney function

Hormones and their actions

General Metabolism

Diabetes

Calcium Homeostasis

## **Course outcomes**

Students are expected to learn concept of homeostasis with some examples. Students will be exposed to the vast area of endocrinology and its importance in body homeostasis.

Plant biology- synthesis of various of plant compounds and their importance in the treatment of diseases

## **Grading policy**

assignment (5%), midterm (35%) and final exam (60%)

## **Assignments**

## **Resources**

Text Book of Medical Physiology 12th edition 2011, 13th edition 2016