Instructor:  Harry W. Janes janes@aesop.rutgers.edu and Albert Ayeni ayena@aesop.rutgers.edu

Pre-requisites:
01:119:101 (General Biology) or 01:119:103 (Principles of Biology) or equivalent. When in doubt, student must seek Instructor’s permission to register for the course.

Format:
The course will be given in a hybrid format. This will consist of both online and in class sections.

Description:
This course defines plant science as the study of the totality of the biochemical and biophysical life of plants --- from molecule to whole plant. It is designed to consolidate student understanding of plants as living organisms formed from microscopic cells/organelles and submicroscopic molecules which interact in a complex environment to perform highly complex functions that ultimately give rise to the biomass that sustains the plant and other life forms on our planet. The relevance of knowledge of various aspects of these complex organisms to the appreciation of the significance of plants in our planet is highlighted. Section 01 will meet on Tuesday and Friday first period and Section 02 will meet on Tuesday and Thursday fifth period.

Teaching methods:
The course will employ a Hybrid format. The lecture topics for a particular week will be available on the E-College website. You can access the E-College website by visiting (rutgersonline.net) or http://onlinelearning.rutgers.edu/ecollege and entering your net id.

Each topic will consist of:

- a list of the pages to be covered from the text
- a description of the Learning Objectives for that topic,
- an outline of the material,
- a powerpoint presentation and/or video presentation
- additional materials including videos to assist in understanding the material

In addition to the online material, in class review sessions will be held prior to each exam.
Course grading:

Grades will be based on exams. Class exams are generally a mixture of multiple choice, short answer and essay questions. Grades will be classified based on the Rutgers approved system: A, B, B+, C, C+, D, F etc. There will be 3 in class exams. In addition to the exams, online quizzes will be given. These will generally be given once per week but on occasion the topics to be covered may require that a quiz covering a particular topic be given after 2 weeks. The average grade for the quizzes will be given the same weight as a single in class exam. The final grade will be based on the average of the best 3 of the 4 grades.

Other matters:

Class attendance is mandatory. During the reviews attendance will be taken. The hybrid course design will give considerable freedom to each student as to when and how much material is gone over at any time. However, the quizzes will need to be taken each week. Each quiz will only be available online for 24 hours and you will have 30 minutes to answer the questions from the time you log onto the quiz site. Once you submit the quiz you will not be able to go back and access it again. Failure to take the quiz will result in zero grade for that quiz. Also it is expected that, while you will not be in class each week, that you will do the readings and take notes on the material posted on E-College. The frequency of accessing the site and the time spent on each topic will be monitored. Missing quizzes or not accessing a particular topic or only spending a few minutes on a topic will be considered an absence. Lack of attendance as described above needs to be for a justifiable reason. Attendance will be counted as 10% of the final grade.

Office hours will be announced but any student can request a meeting to go over any of the course material. You can email Dr. Janes at janes@aesop.edu or Dr. Ayena at Ayena@aesop.rutgers.edu and we can find a suitable time to meet.