

The PLSC 420 (Principles of Plant Pathology) course is designed to give students the wide variety of problems in plant ecosystems. We cover various issues related to plant diagnostic and management of major plant pathogens. Basic and applied concepts in the area of forestry, turf and agriculture are discussed during the two-day class schedule. All majors in plant science and students interested in biology related topics usually enroll in this course. To assess the current sustainability related issues in plant industries, we will devote one week of the lecture to how different management practices will lead to a sustainable agriculture, turf or urban forests. For the 'sustainability-week' I have chosen also a reading to provide a global perspective for the basis of a sustainable agricultural practice. The book by Vandana Shiva titled as *Stolen Harvest: The hijacking of the global food supply* provides an excellent view of current agricultural practices from a sustainability standpoint. Students will be required to read the book in advance. This book will be the center of the discussion for the use of plant pathology knowledge to address subjects such as organic farming, monoculture, plant breeding, excess nitrogen or use of fungicides. In addition to the subjects mentioned on Vandana's book, each student will choose the desired plant species and explain the problem of choice and his/her view the following day of the lecture.