<table>
<thead>
<tr>
<th>Course Number Course Name</th>
<th>311 PLANT PATHOLOGY</th>
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<tbody>
<tr>
<td>Credit Value (Breakdown of theory and lab credits)</td>
<td>3 Theory</td>
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<td>Catalog Course Description</td>
<td>You will study the historical foundation of plant pathology and will evaluate the current and future nature of plant disease and its causal agents (fungi, bacteria, viruses, nematodes, environmental/chemical agents) and of symbionts and their effect on plant health and disease resistance, epidemiological considerations on disease spreading and major outbreaks, and disease control and management techniques.</td>
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| Student Learning Outcomes/Objectives/Competencies of the Course | 1. Knowledge of the major pathogen groups on the basis of phylogeny, morphology and physiology.  
2. Identify stages of disease development and describe the various modes by which each pathogen group achieve disease development.  
4. Describe mechanisms that pathogens affect plants and how plants defend against infection  
5. Discuss how host resistance to diseases can be improved by altering pathogen-plant interactions  
6. Identify the environmental factors conducive to pathogen activity and host response to infection.  
7. Describe the impact of agricultural practices on pathogen populations and disease environment  
8. Understand treatment types to limit impact of pathogens and their limitations |
| College-Wide Student Learning Outcomes | 1. Information Literacy  
*Information literacy will be assessed by a term paper that will require research and reviewing of academic literature.*