Academic Integrity

All students are expected to be honest and adhere to the general university guidelines regarding academic integrity found in the Code of Student Conduct. Instances of academic dishonesty will be referred to the appropriate University administrator for action. Honesty and integrity are expected in completion of all exams and assignments for this course.

Objectives

- To provide students with general knowledge of plant pathology as it pertains to forest and urban trees.
- To introduce the major tree pathogens and the diseases they cause in forest and urban trees both regionally and nationally.
- To learn about forest health and how forest diseases are managed.
- To understand how wood and wood products are deteriorated.
- To practice the art of scientific writing by developing a forest tree disease profile.

The major types of tree diseases and deterioration of wood and wood products are studied, with emphasis on principles of plant pathology, economic impacts, disease diagnosis, disease-causing agents, mechanisms of pathogenesis, and disease management.

Lecture Guides

It is suggested that students print out a copy of the lecture guide for each lecture and use the guide to take notes as you view the lecture presentation.

Flashcards and Glossary

Flashcards, organized by lecture and lab, are a study device to allow students to review and learn terminology for forest pathology. Access to flashcards is through lecture and lab pages. The glossary is accessible by the left-hand column navigation link. The glossary is organized by 'letter,' and also integrated by 'lecture,' and 'lab' with the flashcards. In addition, the glossary contains images to illustrate some of the terms and an audio pronunciation for many of the terms.

The instructor gratefully acknowledges Dr. David Shew, Professor, Department of Plant Pathology, N. C. State University for providing the base glossary and DELTA on campus for the software component of the flashcard and glossary system.
Textbooks

The online textbook is 'forestpathology.org' by James Worrall (SUNY-ESF, Syracuse, NY, now forest pathologist, USDA Forest Service, Gunnison, CO). The lecture and lab pages contain hyperlinks to various sections of this online resource where appropriate.

The best resource for information on forest trees and landscape woody ornamentals is the volume by Sinclair and Lyons, Diseases of Trees and Shrubs. 2nd ed. This is a large format book with full-page color illustrations opposite well-written information about each disease illustrated. This book will help students supplement the lecture information, but it is not required.

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The following two textbooks on forest pathology are also good sources of information.

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For students with access to the NC State campus, a limited number of copies of all these books are available for your use in 1418 Gardner Hall (laboratory). The laboratory is available during week days for independent study when no class periods are in session. During fall semesters the only regularly scheduled labs are PP315 on Monday and Tuesday afternoons.

Please do not remove any book from the classroom.

Technology & Communication

You will need the Flash player plug-in for your browser as well as the pdf file reader for *.pdf files.

If you are connecting to the Internet with a dial-up modem and have trouble 'watching' the lecture video, please contact the instructor to request a DVD containing the video presentations.

Course Requirements and Grading
1. Examinations

a. There will be three lecture exams (Sep 16, Oct 19, Nov 16) each worth 100 points. Material to be covered in each examination is noted in the lecture outline. Laboratory material will be included in the lecture exams.
b. Examples from previous years’ exams are available here (Exam1, Exam2, Exam3) but be aware that the order material is covered this year will not correspond exactly to that order in previous years. Be sure that you are studying the diseases and disease-causing agents that will be covered in each exam by checking this year’s course schedule.
c. The final exam will be worth 100 points. The final exam will cover only the material since Exam 3 and will be a 50 minute exam just like the lecture exams.
d. Exam grades will be curved if warranted.
e. You must arrange to be proctored when you take lecture exams. Options are -

- taking the exam on campus supervised by the instructor
- the DELTA proctor service on NCSU Centennial Campus (919.513.1513)
- a remote proctor, nominated by you but assigned by DELTA

2. Homework

a. Each week students will complete a homework assignment based on materials and information presented in lecture and 'lab' that week.
b. Homework will be posted on Monday and due to Dr. Benson by 8 AM the following Monday. Homework not received by the deadline will automatically be subject to a 10% penalty per day. The purpose of the homework is to keep students focused and current in their course work.
c. There will be 13 homework assignments, but students are required to turn in only 12 for a grade. Therefore, students may turn in the 13th homework guide to replace the lowest homework score of the 12.

3. Disease Profile

a. A disease profile, worth 100 points, is required of each student.
b. The profile is due no later than October 26, 2009 but it may be turned in earlier than the due date, if desired.

c. The purpose of the profile is for students to select a forest disease, research that disease during the semester and then develop a profile per the profile guidelines.
Grade Summary

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Exams*</td>
<td>3@100 = 300 points</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100 points</td>
</tr>
<tr>
<td>Homework</td>
<td>12@10 = 120 points</td>
</tr>
<tr>
<td>Disease Profile</td>
<td>100 points</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>620 points</strong></td>
</tr>
</tbody>
</table>

A grade of incomplete will be given at the instructor’s discretion if unforeseen circumstances prevent completion of a part of the course requirements.

Grading

<table>
<thead>
<tr>
<th>Percent</th>
<th>Points</th>
<th>Percent</th>
<th>Points</th>
<th>Percent</th>
<th>Points</th>
<th>Percent</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>98-100</td>
<td>608-620</td>
<td>B+</td>
<td>87-89</td>
<td>539-552</td>
<td>C+</td>
<td>77-79</td>
</tr>
<tr>
<td>A</td>
<td>94-97</td>
<td>583-601</td>
<td>B</td>
<td>83-86</td>
<td>515-533</td>
<td>C</td>
<td>73-76</td>
</tr>
<tr>
<td>A-</td>
<td>90-93</td>
<td>558-577</td>
<td>B-</td>
<td>80-82</td>
<td>496-508</td>
<td>C-</td>
<td>70-72</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>D+</td>
<td>67-69</td>
<td>415-428</td>
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<tr>
<td></td>
<td></td>
<td></td>
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<td>391-409</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>D-</td>
<td>60-62</td>
<td>372-384</td>
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</tr>
</tbody>
</table>

F <60%, (<372 points)

Students with Disabilities

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with Disability Services for Students at 1900 Student Health Center, Campus Box 7509, 515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.1)

Course Evaluation

Online class evaluations will be available for students to complete during the last two weeks of class (Nov 23 - Dec 6). Students will receive an email message directing them to a website where they can login using their Unity ID and complete evaluations. All evaluations are confidential; instructors will never know how any one student responded to any question, and students will never know the ratings for any particular instructors.

Evaluation website: https://classeval.ncsu.edu
Student help desk: classeval@ncsu.edu
More information about ClassEval: http://www2.acs.ncsu.edu/UPA/classeval/index.htm