May 6, 2005

MEMO

To: Roshan Nikou

From: Dr. Mike Mullen

Re: Plant Pathology PhD Program Changes

Attached please find the signed original for the change in the Plant Pathology PhD program that was sent electronically on April 26.

Thank you.
Summary of all the changes

1. Two new two-credit courses PPA 500 and PPA 600 were proposed. PPA 500 will be a team taught course, which will provide first-semester graduate students and upper class undergraduates with a sophisticated appreciation of the interactions of plants with microbes, viruses and the environment. The course focuses on physiological, biochemical and genetic aspects of the interaction. PPA 600 will also be a team taught course, which seeks to develop skills that will not only aid the graduate students in their future course work but will benefit them throughout their entire scientific career. This course will impart critical thinking, grant writing skills, scientific paper reviews and presentation techniques.

2. A new course PPA 700 was added. This course will allow students to go through semester-long rotations in Plant Pathology laboratories other than the students' "home lab". An opportunity will be provided to apply new approaches that are utilized in those labs to the students' research problems.

3. PPA 660, PPA 661, PPA 652 and PPA 656 were removed and replaced by four one-credit elective courses (PPA 670, PPA 671, PPA 672, PPA 673). This was done to reduce redundancy and overlap among various subjects taught in these courses to a minimum.
REQUEST FOR CHANGE IN DOCTORAL DEGREE PROGRAM

Program: Plant Pathology

Department/Division: Plant Pathology

College: Agriculture Bulletin pp Degree Title (New) Ph.D.

Degree Title (Old): Ph.D.

CIP Code: 26.0305

Accrediting Agency (if applicable): N/A

1. PROPOSED CHANGE(S) IN PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
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<tbody>
<tr>
<td>Number of transfer credits allowed</td>
<td>Negotiable</td>
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<tr>
<td>One year before and one year after Qualifying Exam</td>
<td>One year before and one year after Qualifying Exam</td>
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<thead>
<tr>
<th>Residence requirement (minimum of one year before and after Qualifying Exams)</th>
<th>Current</th>
<th>Proposed</th>
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<tbody>
<tr>
<td>One year before and one year after Qualifying Exam</td>
<td>one year before and one year after Qualifying Exam</td>
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| Language(s) and/or skill(s) required | N/A | N/A |

<table>
<thead>
<tr>
<th>Provisions for monitoring progress and Termination criteria</th>
<th>Activities and decisions of Advisory Committees</th>
<th>Activities and decisions of Advisory Committees</th>
</tr>
</thead>
</table>

| Total credit hours required (if applicable) | N/A | N/A |

| Required courses (if applicable) | See Attachment | See Attachment |

| Required distribution of courses within program (if applicable) | N/A | N/A |

<table>
<thead>
<tr>
<th>Minor area or courses outside program required (if applicable)</th>
<th>Determined by Advisory Committees</th>
<th>Determined by Advisory Committees</th>
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| Distribution of courses levels required (400G-500/600-700) | See #6 | See #6 |

| Qualifying examination requirements | Minimum of four days or written exams; one oral exam | Minimum of four days or written exams; one oral exam |

NOTE: To the extent that changes in 6 or 8 above involve additional courses to other programs, please include documentation from the program(s) pertaining to the availability of such courses.
II. RATIONALE FOR CHANGE(S)

If the rationale involves accreditation requirements, please include specific references to those requirements.

Over the past 10 years, Plant Pathology has experienced an almost total turnover in its research faculty due to retirements coupled with new hires. In a similar time-frame, there has been unprecedented growth in the cellular, genomic, and molecular knowledge base of plant pathology. These two situations justify the significant reassessment and reorganization of the curriculum evident in this proposal.

This proposal results in a streamlining of the requirements for the PhD in Plant Pathology. Total hours required will now be 11 hours rather than 16 hours. PPA 500 will provide a grounding in Plant-Microbe interactions for new students. PPA 600 provides a grounding in contemporary methods, critical thinking, grantsmanship, and scientific ethics. PPA 700: Plant Pathology Laboratory Visits will allow new graduate students who may not have determined their interests to do rotations in Plant Pathology research labs. The 1 hour courses PPA 670, 671, 672, and 673 replace PPA 652 (4 hr), 656, 660, and 661 (3 hrs each). This change will provide focus on the current topics in each field while reducing redundancy across existing courses.

One concern was how these changes would affect other students in other programs. The courses that students from other disciplines typically take, PPA 400G and PPA 640, have not been changed, so this revision does not adversely impact other students in the College or University. Other Plant Pathology courses are rarely taken by students from other degree programs.

Signatures of Approval:

[Signatures]

Date

Department Chair

Dean of the College

Date

April 7, 2005

Date of Notice to the Faculty

*Undergraduate Council

Date

*University Studies

Date

*Graduate Council

Date

Academic Council for the Medical Center

Date

Senate Council

Date of Notice to University Senate

*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL

Rev 11/98
11. Any other requirements not covered above

Research Dissertation.

II. RATIONALE FOR CHANGE(S)
If the rationale involves accreditation requirements, please include specific references to those requirements.
Over the past 10 years, Plant Pathology has experienced an almost total turnover in its research faculty, due to retirements and new hiring.
In a similar timeframe, there has been unprecedented growth in the cellular, genomic, and molecular knowledge base of plant pathology. Together, these two situations justify the significant reassessment and reorganization of the curriculum, evident in the overall package.

Signatures of Approval:

David A. Smith
Department Chair

Dean of the College

*Undergraduate Council

*University Studies

*Graduate Council

Academic Council for the Medical Center

Senate Council

*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL

Rev 11/98
REQUIRED COURSES

- PPA 400G
- PPA 500
- PPA 640
- PPA 770
- Two of following four electives
  * PPA 670
  * PPA 671
  * PPA 672
  * PPA 673