

# **Graduate Education and Training: What does it mean to be a Graduate Student?**

**The Future of Education in Plant Pathology and Related Disciplines Workshop**

**March 19-20**

**Washington, DC**

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**Dept. of Plant Pathology**

**and Plant-Microbe Biology**

# **PURPOSE OF GRAD EDUCATION?**



**Specialization**

**Clonal Propagation**

**Critical Thinking/Learning**

# Core Principles of Graduate Education

- **Critical Learning Skills**
- **Communication Skills**
- **Networking Skills**
- **Research Skills**





# Experiment on pod rot incidence in green

Rothrook  
University of Arkansas.  
72701



Abstract was assessed in each field for uniformity  
of samples when representing the geographical  
area. All data were analyzed by using a 2-way ANOVA  
and mean values were calculated for each field. The  
analysis was performed in each field. The results  
were then compared to the overall mean. The results  
of the analysis are presented in the following table.  
The overall mean values were calculated for each  
field. The results of the analysis are presented in  
the following table. The overall mean values were  
calculated for each field. The results of the analysis  
are presented in the following table.

### Results and Discussion

Cultural Practices and Environment  
The results of the analysis are presented in the following  
table. The overall mean values were calculated for each  
field. The results of the analysis are presented in the  
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calculated for each field. The results of the analysis  
are presented in the following table.

A-477

## Impact of Diurnal Periodicity, Temperature and Light on Sporulation of *Bremia lactucae*

Wenli Nongkang, David M. Galloway, Robert C. Seem, and Amy Hesterman  
Biology, Michigan Technological University and Botanical Research, 1400 Townsend Drive,  
Houghton, Michigan 49931, USA

The abstract includes several figures: a bar chart showing sporulation levels under different conditions, a line graph showing the effect of temperature on sporulation, and a micrograph of a leaf with a lesion. The text discusses the impact of diurnal periodicity, temperature, and light on the sporulation of *Bremia lactucae*.

A-476

## Haplotypic growth competition among Korean isolates of *Phytophthora infestans* from potato affected by severe late blight

Phytophthora infestans, late blight of potato, is a major pathogen of potato. The pathogen is highly diverse and has a long history of genetic exchange between populations. This study investigated the genetic diversity and haplotypic growth competition among Korean isolates of *P. infestans* from potato affected by severe late blight.

A-475 Genetic and Molecular Characterization of Isolates of *Verticillium dahliae*

The abstract for A-475 discusses the genetic and molecular characterization of isolates of *Verticillium dahliae*. It includes information about the pathogen's role in plant diseases and the methods used for genetic analysis.

Two women are looking at the abstract for A-477. One woman is pointing at a specific part of the abstract, and the other is looking at the same area. They appear to be in a discussion about the research presented.

A group of people, including a man in a light green shirt and a woman in a white jacket, are gathered around the abstract for A-477. They are all looking at the abstract and appear to be engaged in a conversation. The man in the light green shirt is pointing at the abstract, and the woman in the white jacket is looking at the same area. There are other people in the background, some of whom are also looking at the abstracts.

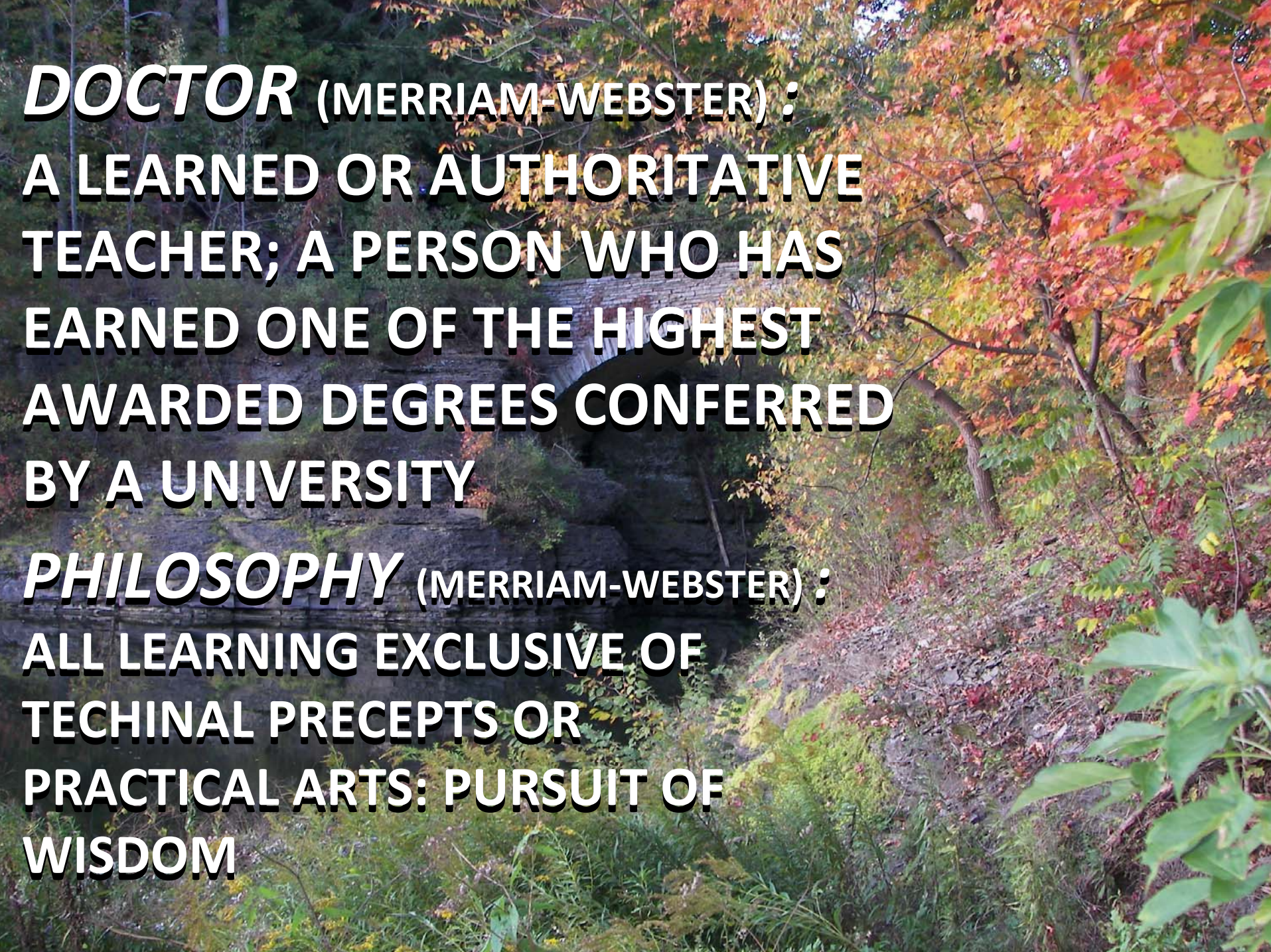


# Changing the view:

- **Future professors, consultants, teachers, researchers, political advisors, science writers, patent lawyers, etc.**
- **Training and Career Advancement**
- **Building foundation not ornamentation**







***DOCTOR*** (MERRIAM-WEBSTER) :  
A LEARNED OR AUTHORITATIVE  
TEACHER; A PERSON WHO HAS  
EARNED ONE OF THE HIGHEST  
AWARDED DEGREES CONFERRED  
BY A UNIVERSITY

***PHILOSOPHY*** (MERRIAM-WEBSTER) :  
ALL LEARNING EXCLUSIVE OF  
TECHNICAL PRECEPTS OR  
PRACTICAL ARTS: PURSUIT OF  
WISDOM