

# CURRICULUM VITAE

## JESSICA WELLS

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### EDUCATION:

**Master of Science**, 2009. Department of Poultry Science, Mississippi State University.  
Thesis title: Sanitization of broiler breeder hatching eggs using ultraviolet light and hydrogen peroxide. Areas of research included: Embryology, Hatchability, Microbiology.

**Bachelor of Science**, 2007. Department of Poultry Science, Mississippi State University.

### EMPLOYMENT:

#### **Extension Instructor**

July 1, 2010-Present  
Poultry Science Department, Mississippi State University.  
Work with Mississippi poultry companies and assist them in finding solutions to any problems that arise in the industry. Answer questions and conduct seminars on back yard flock operations. Oversee all 4-H and FFA state and district competitions in poultry. Handle student advising and recruiting for the entire Poultry Science Department. Teach commercial poultry production and Advanced Poultry Judging classes.

#### **Research Technician**

December, 2009-2010  
Poultry Science Department, Mississippi State University.  
Fluent in basic computer skills consisting of Excel, Word, and SAS programs, Skilled in aseptic techniques, bacterial culturing and plating, serial dilutions, semen collection and analysis, artificial insemination, hatch residue analysis, and fertility and hatchability analysis.

#### **Secondary Education Substitute Teacher**

August 2009-December 2009

Instructed and supervised students ranging from k-5 to 12<sup>th</sup> grade in all academic subjects.

**Graduate Research Assistant**

June 2007-August 2009

Assisted in daily laboratory procedures such as data entry, serial dilutions bacterial culturing and plating, aseptic techniques, semen collection and analysis, artificial insemination, hatch residue analysis, and performed research experiments on sanitization of hatching eggs using different methods of application of ultraviolet light and hydrogen peroxide. Also assisted with the undergraduate Avian Reproduction laboratory.

**Veterinary Assistant**

December 2004-June 2007

Assisted during routine surgeries on large and small animals, maintained kennels and stalls, groomed large and small animals, treated minor injuries, and performed secretarial duties, such as answering phones, taking payments, mailing monthly statements, and filing documents.

**TEACHING:**

**Classes Designed and Taught at Mississippi State University:**

- Commercial Poultry Production (PO 3313)
  - Taught an introductory course on the basic knowledge of the poultry industry. The class highlights all of the areas of the poultry industry including broilers, breeders, and layers. How these areas are operated and managed from hatching to processing.
- Poultry Judging (PO 3233/ 3233) - 3 hours of lecture/week
  - Taught techniques and rules for the U.S. Poultry and Egg Association National Poultry Judging Contest. The class consists of lectures as well as a laboratory that demonstrates correct judging techniques. Production judging, breed selection, market production egg grading and market production ready to cook carcasses are examined.
- Poultry Education Team Teaching
  - As the acting president of the poultry education team for 2 years, I oversaw fellow students and coordinated activities such as, informing the public about the poultry industry, poultry products and the Department of Poultry Science. Visited local businesses and handed out educational information to the public about poultry products and recipes. Went to elementary schools and gave educational seminars on Poultry Science and provided incubators and eggs for the students to observe and learn about the process of the egg hatching. Visited

local businesses and handed out educational information to the public about poultry products and recipes

### **SERVICE:**

- Undergraduate Student Recruiting for high schools and junior colleges (2009-present).
  - Developed new brochures, flyers and postcards that are used as a recruiting tool.
  - Designed informational coloring books for younger students.
  - Visited high schools and junior colleges through-out the state of Mississippi to recruit transfer students and incoming freshmen.
  - Sent out postcards to prospective students.
  - Set up visits to our department for prospective students and large groups of prospective students from junior colleges and high schools.
  - Coordinate recruiting activities with the College of Agriculture and Life Sciences official recruiter.
- Poultry Education Team Recruiting
  - Visited high schools in Tennessee and Mississippi to recruit high school students to the department.
- FFA and 4-H
  - Set up and coordinated the 2010/2011 FFA state competition.
  - Assisted with the 2009 State 4-H and FFA competition.
- Vet School Open House
  - Set up and assisted with the informational poultry booth at the vet school open house in 2007, 2008, and 2009.
  - Coordinated and oversaw the informational poultry booth in 2010
- Education hatch out project
  - Brought incubators with fertile eggs to local elementary school to teach students about poultry and the process of development in the egg. Also gave informational speeches and answered students questions.
- Science Fair Judge
  - Judged the senior high science fair at Starkville Academy in 2009
  - Judged the senior high science fair at Ackerman High School in 2010.

### **MEMBERSHIPS:**

Poultry Science Association  
Southern Poultry Science Society  
MSU Poultry Science Club  
MSU Poultry Education Team

### **HONORS AND AWARDS:**

Graduate Student Presentation Award, International Poultry Scientific Forum, 2008.  
Phi Theta Kappa