

CANDACE PETTY

cpetty@umhb.edu

Education

Masters of Science Degree in Biology <i>University of West Georgia, Carrollton, GA.</i>	<i>2005</i>
B.S. Degree in Biology <i>University of West Georgia, Carrollton, GA.</i>	<i>2002</i>
Occupational Health and Safety Specialist Course <i>U.S. Army, FT. Sam Houston, San Antonio, TX.</i>	<i>2007</i>

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- Over 9 years of experience teaching biology courses.
 - Skilled at learning new concepts quickly, working well with other under pressure, and communicating ideas clearly and effectively.
 - Extensive computer training, including knowledge of multiple networking environments (myCourses, WebCt, & Jenzabar) and business software packages (Word, Word perfect, Adobe Acrobat, etc).
 - Developed a WebCt course at UWG and for all of the lectures and lab classes taught each semester. Integrated eInstruction into all lecture and laboratory classes. Maintained online activity for lecture notes, quizzes, handouts, study guides, grades, which enhanced student-teacher communication. Able to communicate effectively in a clear and concise manner in front of diverse audiences. Taught Fundamentals of Biology, Principles of Biology I and II along with honors sections, Molecular Cell Biology (lecture & lab), Human Anatomy and Physiology I and II (lecture & lab), Medical Microbiology (lecture & lab), Developmental Biology and Embryology lab. Ambitious, enthusiastic, self motivated and a very fast learner. Active secret security clearance.

Teaching Experience

Biology Instructor, University of Mary Hardin-Baylor, Belton, Tx

*Aug 2014
to present*

- Member of the A&P curriculum committee. Worked to standardize and maintain all learning objectives in the lecture and laboratory curriculum.
- Taught Anatomy & Physiology I & II, lecture and lab. Increased student focused questioning each semester. Lectured using PowerPoint, white board, & chalkboard. Used LMS to post notes, grades, emails, etc.
- Developed a standardized A&P Laboratory schedule to increase comprehension for all students.
- Worked with the A&P curriculum committee to standardize all learning objectives in the laboratory.
- Teach 15 course hours per semester.
- Maintain supplies in the A&P labs.

*Jun
2013 to**Aug
2014***Biology Laboratory Coordinator, University of Mary Hardin-Baylor, Belton, Tx**

- Member of the A&P curriculum committee. Worked to standardize and maintain all learning objectives in the lecture and laboratory curriculum.
- Maintained and updated the departmental inventories. Ordered supplies, equipment, & resources needed for all of the labs within the department as needed.
- Set out all materials necessary for each lab exercise, and put away when finished.
- Created a course shell for A&P labs that included study guides, lab figures, procedures, pre-lab lecture PowerPoints & guidelines. Imported course cartridge to all A&P lab sections on myCourses to increase standardization for all lab sections.
- Worked as an Adjunct Biology Instructor to assist the needs of the department in addition to all other lab coordinating duties. Developed and administered all A&P lab practical exams.
- Co-taught Anatomy and Physiology II during summer II 2014. Mentored and assisted a fellow Adjunct Instructor while co-teaching this course.
- Rescheduled labs for students to allow for make-up assignments to be completed. Dealt with student grievance.
- Composed a Biology Safety Manual and Chemical Hygiene Plan in accordance with EPA/OSHA/UMHB regulations. Taught lab safety rules to all lab Teaching Assistant's and ensured that they were enforced in each lab course.
- Developed a Biology Safety group on myCourses where all departmental safety material is stored.
- Created multiple safety documents for the department.
- Developed an electronic chemical inventory file in which all MSDS and new SDS pdf files are embedded directly into the document. Posted this file on all laboratory computers and the Biology Safety Group page to increase awareness and accessibility of the chemicals that students and faculty might encounter within the department.

**Adjunct Biology Instructor, Anatomy and Physiology Laboratory Coordinator,
University of Mary Hardin-Baylor, Belton, Tx***Aug
2010 to**2013*

- Taught Anatomy & Physiology I & II and Living World. Increased student focused questioning each semester. Lectured using PowerPoint, white board, & chalkboard. Used LMS to post notes, grades, emails, etc. Assisted other colleagues with use of technology & any other tasks that they needed help with.
- Designed two lab exercises for A&P II lab.
- Worked as the Biology Laboratory Coordinator while teaching 1 to 2 sections of the A&P per semester.
- Developed a standardized A&P Laboratory schedule to increase comprehension for all students.
- Introduced fetal pig dissection to increase anatomy comprehension.
- Worked with the A&P curriculum committee to standardize all learning objectives in the laboratory.
- Cleaned and organized the A&P lab to allow for easy access of supplies and models.
- Developed an inventory of microscope slides, and reorder when needed.
- Established a mandatory weekly Teaching Assistant training meeting for all A&P TA's and supervised those TA's.
- Developed and administered A&P practical exam's in accordance with the A&P learning objectives.
- Supervised all aspects of a multi-section laboratory course.

2006 to

Preventive Medicine Technician, U.S. Army, FT. Hood, TX and Iraq

- Supervised 1500 soldiers in Iraq for a period of 12 months by conducting monthly base camp assessments on 3 large bases and 21 satellite sites.
- Inspected and evaluated sanitation and safety of living quarters, food services facilities, water supplies and industrial operations; evaluated the adequacy of wastewater and solid waste disposal, and performed various entomological functions in support of insect and rodent control programs.
- Taught and certified service members in a Field Sanitation and Safety Course prior to the 2009 deployment.
- Other responsibilities as a Preventive Medicine Specialist include: Community health practices; public health microbiology; disease investigation; prevention of acute respiratory disease; sexually transmitted diseases and HIV; Army immunization program; health promotion and risk reduction; foodborne illness investigations; hazard communication and chemical hygiene; preventive medicine; climatic injury control; waterborne illness investigation; ventilation; humanitarian law; pesticide identification and management; identification and management of venomous animals and poisonous plants; and managements of nuclear, biological, and chemical agents.

Jul
2010**Biology Instructor, University of West Georgia, Carrollton, GA.**

- Operated as the Biology Laboratory coordinator for freshman courses, Principles of Biology I and II labs. Also taught 4 to 5 various laboratory classes per semester.
- Mentored 9 graduate students in various strategies for teaching the learning objectives with regards to the assigned curriculum. Lead weekly graduate teaching assistant meetings to cover the week's lab topic. Wrote all quizzes, midterm, & final exams for all sections
- Wrote 2 Lab manuals to coincide with the Principles of Biology I and II labs. Wrote the 1st lab manual while teaching my regular course load, 2 lecture and 4 lab courses, and mentoring 9 graduate students.
- Maintained an operating budget for all laboratory courses taught: Principles of Biology I and II lab, Molecular Cellular Biology lab, Anatomy and Physiology I and II lab.

Jul
2005
to
Nov
2006**Student Teaching Assistant, Biology Dept, University of West Georgia, Carrollton, GA.**

- Taught 3 freshmen level BIOL labs while taking a full course load, 12 to 18 hours, each semester.
- Developed lectures, lecture notes, weekly quizzes, midterm, and final exams, graded laboratory notebooks, supervised lab experiments, etc. BIOL 1010L, 1107L, and 1108L.
- Assisted Dr. S. Swamy-Mruthinti by teaching the lab portion of Developmental Embryology labs. Set up laboratory experiments. Developed and graded all lab notebooks, midterms, practical exams, final exams. Assisted students with questions pertaining to identification of histological structures.
- Undergraduate research concentrated primarily on how the immune response can be enhanced by removal of the highly carotenized cells of the stratum corneum prior to gene gun therapy with SIVmac239Env DNA vaccine or other topical applications. Primarily looking at how absorption rates can be enhanced by removal of the stratum corneum.

Aug
2002
To
Jun
2005**Publications**

Grunwald-Crawford, Lydia, Daniel, Candace, Lea-Fox, Deborah, Effects of Cellophane Tape-Stripping of Mouse Skin Prior to Immunization with SIVmac239Env DNA Vaccine. SE Branch ASM, Birmingham, AL. November 8-10, 2001