

# CANDICE CHAMBERS

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## EDUCATION

M.A. (Anthropology)	2012, North Carolina State University, Raleigh. Bioarchaeology Concentration
B.S. (Anthropology)	2010, University of Tennessee, Chattanooga. Minor in Religious Studies with additional History emphasis

## MASTER'S THESIS

My Master's Thesis, "*Working Our Fingers to the Bone: Osteoarthritis in the Hands of a Historical Population*," is an exploration of the onset of osteoarthritis as it spreads throughout the joints of the hands. Utilizing the hand bones of 412 adult specimens over the age of 40 from the Hamann-Todd Osteological Collection, I employ birth year matching to document the progression of osteoarthritis across the lifespan. Osteological analysis is paired with archival analysis to investigate the occupational and historical circumstances under which osteoarthritis may develop and progress.

## RESEARCH INTERESTS

Epidemiology and Selective Mortality	Human Evolution and Adaptation
Historical Bioarchaeology	Paleopathology and Paleoepidemiology
Archival and Census Studies	Natural Disasters

## TEACHING EXPERIENCE AND TRAINING

Fall 2012-	<b>Instructor</b> , North Carolina School of Science and Mathematics; teaching Interactive Video Conferencing (IVC) and online courses in Honors Forensic Anthropology and Honors Forensic Science to high school students from across the state of North Carolina through the Distance Education and Extended Programs Department (DEEP).
Fall 2012-	<b>Instructor</b> , North Carolina State University; teaching Introduction to Physical Anthropology, a basic introductory course about the mechanisms of human evolution and the distinctions between humans and nonhuman primates (online and in-person).
September 2012	<b>Opening Keynote Speaker</b> , North Carolina Society for Clinical Laboratory Science (NCSCLS) Education Scientific Assembly, Fall Focus 2012; presented an introductory lecture explaining the role of the Forensic Anthropologist in criminal investigations, WakeMed Raleigh Campus, Andrews Conference Center.
Summer 2012	<b>Instructor</b> , Duke TIP; teaching Forensic Science to gifted high school students from across the country through a three week summer camp at Duke University in Durham, NC, (two consecutive sessions).

- Fall 2011-Spring 2012      **Certificate of Accomplishment in Teaching (CoAT) Program**, North Carolina State University; participated in courses, training events, and projects to improve skills in educational leadership.
- April 2012      **Guest Lecturer**, “Arsenic Embalming and the Curious Case of Col. William Shy”, North Carolina School of Science and Mathematics; conducted a lecture explaining arsenic embalming in the context of the postmortem interval as illustrated with a case study of Civil War soldier, Col. William Shy from Nashville, Tennessee.
- April 2012      **Guest Lecturer**, “Hominins of the Lower Paleolithic”, North Carolina State University, under Dr. D. Troy Case in association with an Introduction to Physical Anthropology course; conducted a lecture explaining evolutionary and social trends in the human past as evidenced by Homo erectus and similar hominins in the Lower Paleolithic
- March 2012      **Guest Laboratory Instructor**, “Evolutionary Trends”, North Carolina State University, under Dr. D. Troy Case in association with an Introduction to Physical Anthropology course; conducted a lecture explaining evolutionary trends in the cranium as evident in morphological and metric traits paired with physical examination of these traits on casts of modern humans, primates, and fossil hominins
- November 2011      **Instructor**, Forensic Anthropology Educational Outreach under Dr. Ann Ross, North Carolina State University; presented educational material about Forensic Anthropology to students from the North Carolina School of Science and Mathematics.
- October 2011      **Instructor**, Bone Detectives Educational Workshop, North Carolina Museum of Natural Sciences, Natural History Halloween; presented educational material on the features of human and nonhuman skeletal anatomy.
- October 2011      **Guest Speaker**, CSI Week at Meredith College, Raleigh NC; conducted a lecture explaining the role of the Forensic Anthropologist in criminal investigations.
- October 2011      **Instructor**, North Carolina State University Office of Diversity and Inclusion (the Cultivating High Achieving Motivated Professionals and Scholars – CHAMPS program ); presented an educational module highlighting the role of Forensic Anthropologists in trauma and pathology assessments.
- October 2011      **Instructor**, Forensic Anthropology Educational Outreach under Dr. Ann Ross, North Carolina State University; presented educational material about Forensic Anthropology to students, age 6-12, from the Montessori School of Raleigh.
- Spring 2011      **Graduate Teaching Assistant**, North Carolina State University, College of Humanities and Social Sciences; assisted Dr. D. Troy Case with Distance Education course development and investigation of audiovisual aids for an Introduction to Physical Anthropology course.

Fall 2010                      **Graduate Teaching Assistant**, North Carolina State University, College of Humanities and Social Sciences; researched and updated lectures for an Introduction to Physical Anthropology course taught by Dr. D. Troy Case.

## RESEARCH-ORIENTED EXPERIENCE AND TRAINING

Fall 2011-Spring 2012      **Graduate Teaching Assistant**, North Carolina State University, College of Humanities and Social Sciences, Osteology Laboratory Assistant

March 2012                    **Proofreading and Editing**, Dr. D. Troy Case, Raleigh NC, Proofreading material for an upcoming peer-reviewed publication, "Determination of sex from the metacarpals in a Thai population."

September 2011              **Proofreading and Editing**, Dr. D. Troy Case, Raleigh NC, Proofreading material for an upcoming peer-reviewed publication, "Determination of sex from the metacarpals in a Thai population."

July 2011                      **Research Technician**, assisted Kenda Honeycutt with field site setup and project initiation in an experimental trauma study at NCSU's field research facility.

May 2011                      **Research Assistant**, Data Collection for Dr. D. Troy Case's NCSU Anthropology Departmental Research Grant investigating osteoarthritis in the joints of the human hand.

May 2009                      **Crew Chief**, Montgomery County Public Archaeology Day, Archaeology Society of Maryland (Mid-Potomac Chapter), Rockville, MD; project focused on locating a Civil War-period slave residence on the property at Needwood Mansion.

June 2009                      **Certificate in Human Identification Techniques**, Human Identification Laboratory Course, Forensic Anthropology Center, Knoxville, TN; completed 40 hours of laboratory training methods in forensic identification and biological profile compilation through the University of Tennessee's Forensic Anthropology Center's Summer Short Course

Fall 2008 - Spring 2009      **Development Intern**, Civil War Preservation Trust, Washington, DC; conducted internet-based research, assisted in document processing and editing, mass mailing and data entry

Summer 2008                    **Event Planning Intern**, Genetic Alliance, Washington, DC; assisted with conference planning, scheduling, editing and research in addition to various administrative tasks

**ACTIVITIES AND AFFILIATIONS**

2012-	Member, American Association of Physical Anthropologists
2012	Participant, 5th NC State Forensic Science Symposium
2012	Organizer, NCSU Physical Anthropology and Molecular Paleontology Poster Symposium in conjunction with a special lecture “Human Evolution as Revealed by a Neandertal” by Dr. Richard Edward Green at the North Carolina Museum of Natural Sciences
2011	Participant, 4th NC State Forensic Science Symposium
2011-	Member, North Carolina Archaeological Society
2011-	Member, Paleopathology Association
2010	Student Member, Paleoanthropology Society
2009	Founding Member, University of Tennessee – Chattanooga Chapter of Lambda Alpha: National Collegiate Honor Society for Anthropology
2006-2010	Member, National Society of Collegiate Scholars, UTC Chapter
2008-2010	Member, Golden Key International Honour Society UTC Chapter
2009-2010	Secretary, UTC Sociology Anthropology Geography Association (SAGA)
2009	Fundraising Participant, MDA’s Chattanooga Executive Lock Up
2008-2009	Participant, National Student Exchange, UTC and Towson University
2008-2009	Volunteer, Archaeology Society of Maryland, Mid-Potomac Chapter
2008	Participant, Genetic Alliance’s Genetics Day on the Hill, Washington, DC
2007	Participant, UTC British History Study Abroad Program, Oxford, England
2007	Volunteer, Arts and Education Council’s Culture Fest, Chattanooga, TN

**HONORS, AWARDS, ACCOLADES**

2012	Nominee, College of Humanities And Social Sciences Master’s Thesis Award, NCSU
2011	Recipient of the Anthropology Graduate Student Research Award, NCSU
2010	Graduated <i>Magna Cum Laude</i> from the University of Tennessee at Chattanooga
2005-2010	Distinguished by Dean’s List standing at the University of Tennessee at Chattanooga
2009	Honored by UTC’s Student Government Association as the Most Outstanding Senior in Religious Studies
2008	Inductee of Golden Key International Honour Society, UTC Chapter
2007, 2008	Recipient of the Louise G. Currey Scholarship for Environmental Studies, UTC
2006	Recipient of the Robert C. Mildram Scholarship for Religious Studies, UTC
2006	Inductee of the National Society of Collegiate Scholars, UTC Chapter

## **PUBLICATIONS, PAPERS AND PRESENTATIONS**

2013 C. Chambers and K. K. Honeycutt.

"Plagues and Peoples: Selective Mortality in Medieval and Post Medieval London." (Poster) 40th Annual Meeting of the Paleopathology Association in Knoxville, Tennessee.

2012 C. Chambers and D. Troy Case

"Working Our Fingers to the Bone: Osteoarthritis in the Hands of a Historic Population." (Poster) 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropologists in Portland, Oregon.

2012 C. Chambers and D. Troy Case

"Working Our Fingers to the Bone: Osteoarthritis in the Hands of a Historic Population." (Poster) Seventh Annual NC State University Graduate Student Research Symposium, University Graduate Student Association.

2012 C. Chambers and D. Troy Case

"Working Our Fingers to the Bone: Osteoarthritis in the Hands of a Historic Population." (Poster) North Carolina Museum of Natural Sciences. Physical Anthropology and Molecular Paleontology Poster Symposium in conjunction with a special lecture "Human Evolution as Revealed by a Neandertal" by Dr. Richard Edward Green.

2012 C. Chambers and K. K. Honeycutt

"Plagues and Peoples: Selective Mortality in Medieval and Post Medieval London." (Poster) North Carolina Museum of Natural Sciences. Physical Anthropology and Molecular Paleontology Poster Symposium in conjunction with a special lecture "Human Evolution as Revealed by a Neandertal" by Dr. Richard Edward Green.

2011 C. Chambers and D. Troy Case

"Working Our Fingers to the Bone: Osteoarthritis in the Hands of a Historic Population." (Poster) North Carolina Archaeology and Heritage Day at Jordan Lake, North Carolina Historical Society, Raleigh, NC.

2010 C. Chambers

"Osteoarthritis in the Bones of the Hands." (Poster) North Carolina Museum of Natural Sciences Poster Session with Postdocs/Grad students from NC State, Raleigh, NC.

2009 C. Chambers

"Prehistoric Disease and Nutrition." (Podium Presentation) Sociology Anthropology Geography Association Mini-Symposium, University of Tennessee, Chattanooga, TN.

## **PROFICIENCIES**

Moodle, Brainhoney, Microsoft Office, SPSS (PASW), RMET, 3D-ID and digitizing using Microscribe Utility Software, FORDISC, Integrated Public Use Microdata Series (IPUMS) database, Other internet-based databases, Mas90, Raiser's Edge

**ADMINISTRATIVE AND CUSTOMER SERVICE EXPERIENCE**

2010-2011	Customer Service Associate, Executive Center Services, Raleigh, NC
2010	Filing Assistant/Data Entry, Dr. D. Troy Case, Raleigh, NC
2006-2010	Administrative Assistant/Sales Associate, Craftique Manufacturing Co., Chattanooga, TN
2004-2006	Assistant Manager, Dollar Stop, Fort Oglethorpe, GA
2004-2005	Administrative Assistant, Youth Apprenticeship Program, Tennessee Valley Authority, Chattanooga, TN
2003-2004	Children's Fitting Specialist, Shoe Show, Fort Oglethorpe, GA