



Judy E. Cooper

Education

1995-2000	B.A. Philosophy, Specialty Ancient Philosophy	<i>University of Alabama in Huntsville</i>
1995-2000	B.A. Biology	<i>University of Alabama in Huntsville</i>
2001-2004	M.S. Biology, Specialty in Paleobiology	<i>University of Alabama in Huntsville</i>
2012-2013	Partial Completion Ph.D. Computational Science	<i>Middle Tennessee State University</i>

Master thesis

Title	<i>Pachycephalosaur cranial morphology and species definition</i>	
Supervisors	Andrew D. Cling, Professor, Department of Philosophy; Associate Dean, College of Liberal Arts, University of Alabama in Huntsville; William R. Garstka, Professor Emeritus, Department of Biological Sciences, University of Alabama in Huntsville; Bruce Stallsmith, Professor, Department of Biological Sciences, University of Alabama in Huntsville	
Description	A discussion of the function of the pachycephalosaur domed skull and its subsequent place in taxonomy	

Experience

2001–2004	Graduate Teaching Assistant, University of Alabama in Huntsville
2004–2015	Part Time Lecturer, University of Alabama in Huntsville
2015–Present	Lecturer, University of Alabama in Huntsville

Teaching various biology lecture classes and supervision of teaching assistants

Computer skills

Languages	Fortran, C, C++, Perl, Python	Typesetting	\LaTeX , HTML
Software	Matlab, Octave, Mathematica, gnuplot, R	Scripting	Linux and UNIX systems, BASH

Other Skills

- Bioinformatics tools
- Probabilistic statistics
- Parallel programming and optimization

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🌐 <https://www.uah.edu/science/departments/biology/faculty-staff/judy-cooper>

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Areas of Interest

- Computational biology
- Paleobiology, morphometrics and systematics
- Philosophy of biology

Courses Taught

- BYB 119 Principles of Biology: Fall 2019, Spring 2019, Fall 2018, Spring 2018, Fall 2017, Spring 2017, Fall 2016, Spring 2016, Spring 2015, Fall 2014, Spring 2014, Fall 2013, Spring 2013, Fall 2012, Spring 2012, Fall 2011, Spring 2011, Spring 2010, Summer 2009, Spring 2009, Fall 2008, Spring 2008.
- BYB 120 Organismal Biology: Fall 2020, Spring 2020, Summer 2020, Summer 2019, Summer 2018, Spring 2017, Summer 2017, Fall 2017, Spring 2016, Summer 2016, Summer 2015, Fall 2015, Spring 2015, Summer 2014, Spring 2014, Summer 2012, Summer 2011, Summer 2010, Fall 2009, Summer 2009, Summer 2008, Summer 2007.
- BYB 200 Dinosaur Biology: Fall 2018.
- BYB 205, Coding Algorithms for Biology: Summer 2020, Fall 2020, Spring 2020, Fall 2019, Spring 2019, Summer 2019, Fall 2018, Summer 2018.
- BYB 214 Infection and Immunity (Microbiology): Summer 2009, Fall 2009.
- BYB 219 Genetics and Evolution: Summer 2013, Summer 2010, Summer 2009.
- BYB 364 Biogeography: Spring 2017.
- BYB 490 Senior Capstone: Spring 2020, Fall 2020, Spring 2019, Spring 2018, Summer 2018, Spring 2017, Summer 2014, Fall 2014, Spring 2013, Spring 2011, Spring 2010, Spring 2009.
- BYB 491 Darwin and the British Isles: Maymester 2018.
- BYB 491 Study Abroad: Maymester 2017.
- BYB 491 Parallel Processing in Biological Systems: Fall 2017, Summer 2017
- BYB 317 Vertebrate Zoology Laboratory: Spring 2011, Spring 2010, Spring 2009.
- BYB 119L Principles of Biology Laboratory: Fall 2009, Fall 2008, Fall 2007.

Awards

GTA of the Year, University of Alabama - Huntsville, 2003

Mentorship

2019-2020 Mentored Honors Student Josiah Lane in his Honors Capstone Project and RCEU Project

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Service

- Undergraduate advising
- Supervision of teaching laboratories
- Faculty sponsorship of student organizations
- Department website maintenance
- Served on search committees
- Chaired committee to create non-majors BYS 109
- Point of contact for administration of ETS Field Tests in Biology

References

- Andrew D. Cling, Professor, Department of Philosophy and Associate Dean, College of Liberal Arts, University of Alabama in Huntsville, 301 Sparkman Drive, Huntsville, AL 35899, clinga@uah.edu
- William R. Garstka, Professor Emeritus, Department of Biological Science, University of Alabama in Huntsville, 301 Sparkman Drive, Huntsville, AL 35899
- Bruce Stallsmith, Professor, Department of Biological Science, University of Alabama in Huntsville, 301 Sparkman Drive, Huntsville, AL 35899, stallsb@uah.edu

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