

CURRICULUM VITAE

JACOB B. KRAUS

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Teaching Assistant – Department of Integrated Biology
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EDUCATION

PhD Candidate, Integrative Biology, University of Wisconsin-Madison, August 2017 – Present

BA, Biology, Reed College, August 2011 – May 2015

RESEARCH EXPERIENCE

- 2017 Field Technician, Field Ecology Lab, Smithsonian Conservation Biology Institute, Front Royal, VA
- 2016 – 2017 Intern, Conservation GIS Lab, Smithsonian Conservation Biology Institute, Front Royal, VA
- 2015 – 2016 Field Manager, Guassa Gelada Research Project, Ethiopia
- 2014 Research Fellow, Organization for Tropical Studies, Skukuza, South Africa
- 2013 Research Fellow, Kaplan Lab, Reed College, Portland, OR

PEER REVIEWED PUBLICATIONS

- 2023 Dinsmore, M. P., Anise, I. E., Ellis, R. J., **Kraus, J. B.**, and Strier K. B. Primate Conservation. *In* Shook, B., Braff, L., Nelson, K., and Aguilera, K. (eds.): Explorations: An Open Invitation to Biological Anthropology. American Anthropological Association, Second Edition.
- 2022 **Kraus, J. B.**, and Strier, K. B. Geography, climatic, and phylogenetic drivers of variation in colobine activity budgets. *Primates*. doi:10.1007/s10329-022-01015-y
- 2019 Dinsmore, M. P., Anise, I. E., Hardie, A. J., Ellis, R. J., **Kraus, J. B.**, and Strier K. B. Primate Conservation. *In* Shook, B., Nelson, K., Aguilera, K., and Braff, L.

(eds.): Explorations: An Open Invitation to Biological Anthropology. American Anthropological Association.

- 2018 Huang Q., Liu, X., Li, Y., **Kraus, J.**, and Songer, M. Understanding nutrient landscapes for giant pandas in the Qinling Mountains, China: The relationships between bamboo mineral content and giant panda habitat selection during migration. *Anim Biodivers Conserv* 41:195–208.
- 2018 Trosvik, P., de Muinck, E. J., Rueness, E. K., Fashing, P. J., Beierschmitt, E. C., Callingham, K. R., **Kraus, J. B.**, Trew, T. H., Moges, A., Mekonnen, A., Venkataraman, V. V., and Ngyuen, N. Multilevel social structure and diet shape the gut microbiota of the gelada monkey, the only grazing primate. *Microbiome*. doi:10.1186/s40168-018-0468-6
- 2017 Nguyen, N., Lee, L. M., Fashing, P. J., Nurmi, N. O., Stewart, K. M., Turner, T. J., Barry, T. S., Callingham, K. R., Goodale, C. B., Kellogg, B. S., Burke, R. J., Bechtold, E. K., Claase, M. J., Eriksen, G. A., Jones, S. C.Z., Kerby, J. T., **Kraus, J. B.**, Miller, C. M., Trew, T. H., Zhao, Y., Beierschmitt, E. C., Ramsay, M. S., Reynolds, J. D. and Venkataraman, V. V. Comparative primate obstetrics: Observations of 15 diurnal births in wild gelada monkeys (*Theropithecus gelada*) and their implications for understanding human and nonhuman primate birth evolution. *Am J Phys Anthropol*. doi:10.1002/ajpa.23141

TEACHING EXPERIENCE

Teaching Assistant

- 2023 UW-Madison: Primate Behavioral Ecology (ANTHRO 458)
- Intermediate-level course for anthropology, conservation biology, and zoology majors exploring primate behavior from both ecological and evolutionary lenses. Responsibilities included coordinating accommodations for students with disabilities, designing and facilitating discussion activities, creating exam questions, and providing feedback on student essays.
- 2017 – 2023 UW-Madison: Animal Biology (ZOO 101)
- Introductory biology course for non-majors providing an exploration of molecular, cellular, physiological, ecological, and evolutionary topics about animals. Responsibilities included coordinating accommodations for students with disabilities, designing and facilitating discussion activities, creating quiz and exam questions, and providing feedback on student essays.

2016 Smithsonian Conservation Biology Institute: Essentials of Open Source GIS

Graduate and professional training boot camp providing hands-on experience using GIS and R for working with spatial data. Responsibilities included testing and revising the course material and assisting students in troubleshooting their lab activities.

Guest Lecturer

2021 UW-Madison: Introduction to Ecology (ZOO 260)

Gave lectures on primate diversity, socioecology, and conservation.

2020 – 2023 UW-Madison: Animal Biology (ZOO 101)

Gave lectures on animal physiology, evolution, and animal behavior.

Professional Development

2020 DELTA Teaching As Research (TAR) Internship, UW-Madison

Project title: Influence of in situ Video Clips in Facilitating Student Learning and Motivation in an Introductory Biology Lecture

2019 – 2021 DELTA Program participant, UW-Madison

Participated in three semesters of elective pedagogy training, including formal seminars in Applying Active Learning: Using Writing to Teach in Any Discipline, and Advancing Learning Through Evidence-Based STEM Teaching, Creating an Evidence Based Teaching Plan.

HONORS & AWARDS

2022 Dorothy Powelson Teaching Assistant Award, *UW-Madison*

2019 Student Research Travel Award, *UW-Madison*

2019 Graduate Summer Research Award, *UW-Madison*

2018 John Jefferson Davis Travel Award, *UW-Madison*

2018 William C. Burns and Lemuel A. Fraser Teaching Enrichment Scholarship, *UW-Madison*

- 2018 Graduate Summer Research Award, *UW-Madison*
- 2013 Milton M. Fischer Award, *Reed College*

CONFERENCE PARTICIPATION

Oral Presentations

- 2018 Energetics of Old-World Monkeys at High Altitudes: From Geladas to Snub-nosed Monkeys, Midwest Primate Interest Group meeting, Indiana University, Bloomington, IN

Meetings Attended

- 2019 Midwestern Primate Interest Group, Northern Illinois University, DeKalb, IL
- 2019 American Society of Primatologists, UW-Madison, Madison, WI
- 2018 Midwestern Primate Interest Group, Indiana University, Bloomington, IN
- 2017 Midwestern Primate Interest Group, Northwestern University, Evanston, IL

DEPARTMENTAL SERVICE

- 2019 Vice President, Zoology Graduate Student Organization, UW-Madison

OUTREACH

- 2018 – 2020 Volunteer, Darwin Day, Wisconsin Institute of Discovery, Madison, WI
- 2018 – 2020 Volunteer, Wisconsin Science Festival, Wisconsin Institute of Discovery, Madison, WI
- 2017 Volunteer, Summer Safari, Smithsonian Conservation Biology Institute, Front Royal, VA
- 2016 Volunteer, Autumn Conservation Festival, Smithsonian Conservation Biology Institute, Front Royal, VA