

Sheree Harper Vitae
Assistant Professor of Instruction, Biology Department

Area of specialization: Population Genetics

Non tenure-track

First Year at UNI: 2011 - 2013 Graduate Teaching Assistant, 2013 - 2024 Adjunct Instructor, 2024 – Present, Assist Professor of Instruction

Degrees Earned:

National STD Curriculum; University of Washington

April 2020

MS in Biology; University of Northern Iowa

August 2013

BA in Biology; University of Northern Iowa

May 2011

AA Degree; Hawkeye Community College

May 2004

Awards (2010-2011 to Present):

2019: First Year Student Advocate

2022: First Year Student Advocate

2023: United Faculty Above & Beyond Award

2025: Nomination for Beverly Funk Barnes Educator Excellence Award

Courses taught since 2013:

Course I.D.	Course Name	# Students
Fall 2025:		
BIOL 1015-01	Life: Continuity & Change Lab	18
BIOL 1101-NA, NE	Principles of Anatomy & Physiology I Lab	39
BIOL 1102-01	Principles of Anatomy & Physiology II Lecture	39
BIOL 4198-13	Independent Study	28
Summer 2025		
BIOL 3101-A	Anatomy & Physiology I Lab	11
BIOL 3102-A	Anatomy & Physiology II Lab	15
Spring 2025		
BIOL 1086-01	Principles of Anatomy & Physiology II Lab	1
BIOL 1015-01	Life: Continuity & Change Lab	21
BIOL 1102-NA	Principles of Anatomy & Physiology I Lab	16
BIOL 1102 -01	Principles of Anatomy & Physiology II Lecture	89
BIOL 4198-27	Independent Study	16
Fall 2024:		
BIOL 1015-01	Life: Continuity & Change Lab	20
BIOL 1101-NG, NI	Principles of Anatomy & Physiology I Lab	39
BIOL 2052-B	General Biology: Cell Structure & Function Lab	20
BIOL 4198-13	Independent Study	23
Spring 2024		
BIOL 1015-01	Life: Continuity & Change Lab	23

BIOL 2052-A	General Biology: Cell Structure & Function Lab	17
BIOL 3102-A, C	Anatomy & Physiology II Lab	22
BIOL 3102 -01	Anatomy & Physiology II Lecture	43
BIOL 4198-13	Independent Study	19
BIOL 4198-27	Independent Study	01
Summer 2024		
BIOL 3101-A	Anatomy & Physiology I Lab	07
BIOL 3102-A	Anatomy & Physiology II Lab	18
BIOL 5168-A	Anatomy & Physiology I Lab	02
BIOL 5168-B	Anatomy & Physiology II Lab	02
Fall 2023		
BIOL 1015-08	Life: Continuity & Change Lab	18
BIOL 2052-B	General Biology: Cell Structure & Function Lab	21
BIOL 3101-A, NI	Anatomy & Physiology I Lab	17
BIOL 4198-13	Independent Study	24
BIOL 6230-13	Special Problems in Biology	01
Summer 2023:		
BIOL 3101-A	Anatomy & Physiology I Lab	11
BIOL 3102-A	Anatomy & Physiology II Lab	11
Spring 2023:		
BIOL 1015-08	Life: Continuity & Change Lab	24
BIOL 2052-A, C, D, E	General Biology: Cell Structure & Function Lab	73
BIOL 4198-13	Independent Study	10
Fall 2022		
BIOL 1015-08	Life: Continuity & Change Lab	24
BIOL 2052-A, B, C, D	General Biology: Cell Structure & Function Lab	78
BIOL 3101-E, NI	Anatomy & Physiology I Lab	35
BIOL 4198-13	Independent Study	10
Summer 2022		
BIOL 3101-A	Anatomy & Physiology I Lab	11
BIOL 3102-A	Anatomy & Physiology II Lab	08
Spring 2022		
BIOL 1015-05	Life: Continuity & Change Lab	19
BIOL 2052-A, C, D	General Biology: Cell Structure & Function Lab	59
BIOL 3101-C	Anatomy & Physiology I Lab	14
BIOL 4198-13	Independent Study	04
Fall 2021		
BIOL 1015-09	Life: Continuity & Change Lab	16
BIOL 2051-E, F	General Biology: Organismal Diversity Lab	39
BIOL 3102-NG	Anatomy & Physiology II Lab	11
BIOL 4198-13	Independent Study	09
Summer 2021		
BIOL 3101-6A	Anatomy & Physiology I Lab	14

BIOL 3102-6A	Anatomy & Physiology II Lab	17
Spring 2021		
BIOL 1015-03, 06	Life: Continuity & Change Lab	36
BIOL 2051-C	General Biology: Organismal Diversity Lab	19
BIOL 2052-A	General Biology: Cell Structure & Function Lab	21
BIOL 3101-D	Anatomy & Physiology I Lab	14
BIOL 3102-NE	Anatomy & Physiology II Lab	09
BIOL 4198-13	Independent Study	10
Fall 2020		
BIOL 2051-B	General Biology: Organismal Diversity Lab	20
BIOL 2052-B, C, E, G	General Biology: Cell Structure & Function Lab	87
BIOL 3101-NH	Anatomy & Physiology I Lab	15
BIOL 4198-13	Independent Study	07
Summer 2020		
BIOL 3101-A	Anatomy & Physiology I Lab	20
BIOL 3102-A	Anatomy & Physiology II Lab	17
Spring 2020		
BIOL 2051-A, B	General Biology: Organismal Diversity Lab	38
BIOL 3102-NE	Anatomy & Physiology II Lab	11
Fall 2019		
BIOL 1014-05	Life: Continuity & Change Lecture	85
BIOL 2051-B	General Biology: Organismal Diversity Lab	20
BIOL 3101-C, H	Anatomy & Physiology I Lab	41
Summer 2019		
BIOL 3101-A	Anatomy & Physiology I Lab	16
BIOL 3102-A	Anatomy & Physiology II Lab	14
BIOL 4198-01	Independent Study	01
Spring 2019		
BIOL 3101-B, C	Anatomy & Physiology I Lab	39
BIOL 3102-G	Anatomy & Physiology II Lab	11
BIOL 3140-01, 02 ,03	Genetics Lab	44
Fall 2018		
BIOL 2052-06	General Biology: Cell Structure & Function Lab	18
BIOL 3101-07	Anatomy & Physiology I Lab	20
BIOL 3140-03, 04 ,05	Genetics Lab	50
Summer 2018		
BIOL 3101-01	Anatomy & Physiology I Lab	08
BIOL 3102-80	Anatomy & Physiology II Lab	11
Spring 2018		
BIOL 1015-04	Life: Continuity & Change Lab	17
BIOL 2051-05, 07	General Biology: Organismal Diversity Lab	32
BIOL 3102-07	Anatomy & Physiology II Lab	14
Fall 2017		

BIOL 1015-04	Life: Continuity & Change Lab	24
BIOL 2052-02, 09	Cell Structure & Function Lab	44
BIOL 3101-08	Anatomy & Physiology I Lab	19
Summer 2017		
BIOL 3101-01	Anatomy & Physiology I Lab	15
BIOL 3102-80	Anatomy & Physiology II Lab	14
Spring 2017		
BIOL 2051-02	General Biology: Organismal Diversity Lab	24
Fall 2016		
BIOL 2051-09	General Biology: Organismal Diversity Lab	21
BIOL 3101-07	Anatomy & Physiology I Lab	22
Spring 2016		
BIOL 2052-01	General Biology: Cell Structure & Function Lab	20
BIOL 3102-05, 06	Anatomy & Physiology II Lab	30
Fall 2015		
BIOL 3102-05, 06, 08	Anatomy & Physiology II Lab	49
Spring 2015		
BIOL 1015-09	Life: Continuity & Change Lab	19
BIOL 3101-03	Anatomy & Physiology I Lab	22
BIOL 3102-03	Anatomy & Physiology II Lab	14
Fall 2014		
BIOL 3101-05, 07, 08	Anatomy & Physiology I Lab	46
BIOL 3102-02	Anatomy & Physiology II Lab	14
Spring 2014		
BIOL 3101-02, 03	Anatomy & Physiology I Lab	36
BIOL 3102-04, 06, 07	Anatomy & Physiology II Lab	42
Fall 2013		
BIOL 2052-09	General Biology: Cell Structure & Function Lab	14
BIOL 3101-04, 05, 06, 07	Anatomy & Physiology I Lab	74

Other courses regularly taught:

Additional Duties:

Fall 2023 - Present: BIOL 3101 Anatomy & Physiology I Lab Coordinator

Spring 2023 - Present: BIOL 1015 Life Continuity & Change Lab Coordinator

Fall 2020 - Spring 2025: BIOL 2052 Cell Structure & Function Lab Coordinator

Scholarship/research/publications/presentations (2010-2011 through present):

- [1] Harper, Sheree E. *Cell Structure & Function Laboratory Manual, Third Edition*. Campus Publishing, 2024. ISBN: 978-1-7331989-5-0
- [2] Harper, Sheree E. *Cell Structure & Function Laboratory Manual, Second Edition*. Campus Publishing, 2024. ISBN: 978-0-9993780-9-0
- [3] Harper, Sheree E. *Cell Structure & Function Laboratory Manual*. Campus Publishing, 2023.

ISBN: 978-1-7331989-0-5

- [4] Light, J. E., Harper, S. E., Johnson, K. P., Demastes, J. W., & Spradling, T. A. (2018). Development and Characterization of 12 Novel Polymorphic Microsatellite Loci for the Mammal Chewing Louse *Geomydoecus aurei* (Insecta: Phthiraptera) and a Comparison of Next-Generation Sequencing Approaches for Use in Parasitology. *Journal of Parasitology*, 104(1), 89-95. doi:10.1645/17-130
- [5] Harper, S. E., Spradling, T. A., Demastes, J. W., & Calhoun, C. S. (2015). Host behaviour drives parasite genetics at multiple geographic scales: Population genetics of the chewing louse, *Thomomydoecus minor*. *Molecular Ecology*, 24(16), 4129-4144. doi:10.1111/mec.13306
- [6] Harper, S. E. (2013). Population genetics of *Thomomydoecus minor*: Ectoparasitic chewing lice on *Thomomys bottae* pocket gophers of the Rio Grande Valley in New Mexico. Cedar Falls, IA: University of Northern Iowa.

Summary of external grants received (2010-2011 through present):

2019: Roy J. Carver Charitable Grant, \$40,000.00. For purchase of SynDaver immersion tanks, custom laboratory tables, and upgrades to SynDaver models for Anatomy and Physiology I Lab.

Summary of internal grants received (2010-2011 through present):

Spring 2024 - UNI Provost, \$340,000.00 towards Anatomy lab room renovations.

May 2023 - Biology Department contributed funds (~\$700.00) to purchase “Visible Body” 3D interactive software keys for students enrolled in the summer session of Anatomy & Physiology I online.

May 2020 - Continuing Education contributed funds (~\$3500.00) to purchase equipment & supplies for students enrolled in the summer session of Anatomy & Physiology II online. Kits were mailed to students and included; dissection kits (brain, heart, and eyeball), reflexes kit (reflex hammer, pen light), sensations kit (textures, filament probe), cardiovascular kits (blood pressure cuffs, stethoscopes), blood kits (blood typing, hemoglobin, clotting time), and additional weekly supplies.

Oct. 2018 - University pledged grant to supplement Carver Grant, \$12,000.00

Summary of service activities (2010-2011 through present):

- Submitted Carver Trust Proposal, “Expanding Capacity, Increasing Experiential Learning, and Creating New Medical-Based Exercises for Anatomy and Physiology I and II Laboratories to Serve an Expanding Health Care Focused Student Population”, Aug. 2025
- Packaged and shipped SynDavers for refurbishment; Aug. 2025
- Packed, relocated, and redistributed all lab materials and equipment for Life: Continuity and Change and Anatomy and Physiology I laboratories to new locations; May-Aug. 2025
- Inside UNI, “How UNI are Helping to Reshape Anatomy Education Across US”. May 23, 2025
- Hudson High School Forensics Activities and SynDaver Demonstration. May 23, 2025
- Science Education Conference, “Anatomy Teaching Tools” Presentation. Apr. 2025
- Tripoli High School SynDaver Visit and Demonstration. March 3, 2025
- Biology collaboration with Chemistry to discuss program needs and requirements related to UNI’s new Nursing Program. March 1, 2025
- Presented at Iowa Anatomy Articulation Conference; Feb. 24, 2025
- Search Committee Training; Oct. 3, 2024

- Course evaluations for transfer students; Feb. 6 - Sept.30, 2024
- Student Recruitment Private Tour; September, 23, 2024
- Student Recruitment Private Tour; April, 26, 2024
- Biology-Chemistry Collaborations - Requirements for incoming Nursing students; March, 2024
- Created a “SynDaver and Skeleton Operating Room” Display for Biology Hall Display Window (next to MSH 173). February 2024
- Chemistry Halloween Activities - Bones Room (Pre-Med Club); October 2023
- Student Orientation Advisor; June-July 2023
- Student Orientation Advisor Training; May 2023
- UNI Alumni Association; “Tuesday Talk” speaker promoting use of SynDaververs, June 2020
- New Hampton High School Activity & Tour; January 16, 2020
- High School Student Prospect Tour April 22, 2019
- Science Olympiad, Genetics for Divisions B & C; March 2019
- New Hampton High School Activity & Tour; January 10, 2019
- Individual family tour; Oct. 23, 2018
- Cedar Falls High School Recruitment for Health Careers; Oct. 1, 2018
- UNI Up Close Days; Fall 2017, Spring 2018, Fall 2018, Spring 2019

Other Service:

Assisting graduate students with microsatellite programs and data

Ryan Neuhaus 2015 Graduate

Jason Parks 2018 Graduate

Brianna Yarrow 2018 Graduate

Student reference letters:

09/2025, Isabella Dietz

08/2025, Haleigh Nelson

07/2025, Matthew Bartel

12/2024, Joeseph Lawrence

07/2024, Mia Schulte

07/2024, Hayden Seering

06/2024, Megan Askelson

01/2023, Tatiana Barriga

01/2023, Megan Askelson

12/2020, Aaron Boies

12/2020, Hayden Halbach

12/2019, Olivia Strobel

11/2019, Jordan Marquis

01/2019, Caitlyn Kennedy

05/2018, David Chenoweth

01/2018, Chaun'te Drahn

10/2015, Alex Reif

10/2015, Colin Miller

08/2015, Kadee Ferkel

07/2015, Ashley Albright