

**Sheree Harper  
Adjunct Instructor**

**Area of specialization:** Population genetics

**Non tenure-track**

**First Year at UNI:** 2011 - 2013 Graduate Teaching Assistant, 2013 - Present Adjunct Instructor

**Degrees earned:**

<i>National STD Curriculum</i> ; University of Washington	<b>April 2020</b>
<i>MS in Biology</i> ; University of Northern Iowa	<b>August 2013</b>
<i>BA in Biology</i> ; University of Northern Iowa	<b>May 2011</b>
<i>AA Degree</i> ; Hawkeye Community College	<b>May 2004</b>

**Academic teaching and related experience:**

2013 - Present Adjunct Instructor; University of Northern Iowa

2011 - 2013 Graduate Teaching Assistant; University of Northern Iowa

**Awards (2010-2011 to Present):**

2019: First Year Student Advocate

2022: First Year Student Advocate

**Courses taught since 2015:**

**Fall 2015:**

BIOL 3101-05/06/08 Anatomy & Physiology I Lab

**Spring 2016:**

BIOL 3102-05/06 Anatomy & Physiology II Lab

BIOL 2052-01 General Biology: Cell Structure & Function Lab

**Summer 2016:**

BIOL 3102-80 Anatomy & Physiology II Lab

**Fall 2016:**

BIOL 2051-09 General Biology: Organismal Diversity Lab

BIOL 3101-07 Anatomy & Physiology I Lab

**Spring 2017:**

BIOL 2051-02 General Biology: Organismal Diversity Lab

**Summer 2017:**

BIOL 3101-01 Anatomy & Physiology I Lab

BIOL 3102-80 Anatomy & Physiology II Lab

**Fall 2017:**

BIOL 1015-09 Life: Continuity & Change Lab

BIOL 3101-08 Anatomy & Physiology I Lab

BIOL 2052-02, 09 General Biology: Cell Structure & Function Lab

**Spring 2018:**

BIOL 1015-04 Life: Continuity & Change Lab  
BIOL 2051-05, 07 General Biology: Organismal Diversity Lab  
BIOL 3102-07 Anatomy & Physiology II Lab

**Summer 2018:**

BIOL 3101-01 Anatomy & Physiology I Lab  
BIOL 3102-80 Anatomy & Physiology II Lab

**Fall 2018:**

BIOL 3101-07 Anatomy & Physiology I Lab  
BIOL 2052-06 General Biology: Cell Structure & Function Lab  
BIOL 3140-03, 04, 05 Genetics

**Spring 2019:**

BIOL 3140-01, 02, 03 Genetics  
BIOL 3101-B, C Anatomy & Physiology I Lab  
BIOL 3102-G Anatomy & Physiology II Lab

**Summer 2019:**

BIOL 3101-01 Anatomy & Physiology I Lab  
BIOL 3102-80 Anatomy & Physiology II Lab

**Fall 2019:**

BIOL 2051-B General Biology: Organismal Diversity Lab  
BIOL 3101-C Anatomy & Physiology I Lab  
BIOL 3101-H Anatomy & Physiology I Lab (Nursing)  
BIOL 1014-05 Life Continuity & Change Lecture

**Spring 2020:**

BIOL 2051-A, B General Biology: Organismal Diversity Lab  
BIOL 3102-NE Anatomy & Physiology II Lab (Nursing)

**Summer 2020:**

BIOL 3101-A Anatomy & Physiology I Lab  
BIOL 3102-A Anatomy & Physiology II Lab

**Fall 2020:**

BIOL 2051-B General Biology: Organismal Diversity Lab  
BIOL 2052-B, C, E, G General Biology: Cell Structure & Function Lab  
BIOL 3102-NH Anatomy & Physiology II Lab (Nursing)  
BIOL 4198-01 Independent Study

**Spring 2021:**

BIOL 1015-03, 06 Life: Continuity & Change Lab  
BIOL 2051-C General Biology: Organismal Diversity Lab  
BIOL 2052-A General Biology: Cell Structure & Function Lab  
BIOL 3101-D Anatomy & Physiology I Lab  
BIOL 3102-NE Anatomy & Physiology II Lab (Nursing)

BIOL 4198-13 Independent Study

**Summer 2021:**

BIOL 3101-A Anatomy & Physiology I Lab

BIOL 3102-A Anatomy & Physiology II Lab

**Fall 2021:**

BIOL 1015-09 Life: Continuity & Change Lab

BIOL 2051-E, F General Biology: Organismal Diversity Lab

BIOL 3102-NG Anatomy & Physiology II Lab (Nursing)

BIOL 4198-13 Independent Study

**Spring 2022:**

BIOL 1015-05 Life: Continuity & Change Lab

BIOL 2052-A, C, D General Biology: Cell Structure & Function Lab

BIOL 3101-C Anatomy & Physiology I Lab

BIOL 4198-13 Independent Study

**Summer 2022:**

BIOL 3101-A Anatomy & Physiology I Lab

BIOL 3102-A Anatomy & Physiology II Lab

**Fall 2022:**

BIOL 1015-08 Life: Continuity & Change Lab

BIOL 2052-A, B, C, D General Biology: Cell Structure & Function Lab

BIOL 3101-E Anatomy & Physiology I Lab

BIOL 3101-NI Anatomy & Physiology I Lab (Nursing)

BIOL 4198-13 Independent Study

**Spring 2023:**

BIOL 1015-08 Life: Continuity & Change Lab

BIOL 2052-A, C, D, E General Biology: Cell Structure & Function Lab

BIOL 4198-13 Independent Study

**Other courses regularly taught:**

**Additional Duties:**

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

Spring 2023: BIOL 1015 Life Continuity & Change Lab Coordinator

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

[1] 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

[2] 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

[3] 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):**

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

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

- UNI Up Close Days; Fall 2017, Spring 2018, Fall 2018, Spring 2019
- Cedar Falls High School Recruitment for Health Careers; Oct. 1, 2018
- Individual family tour; Oct. 23, 2018
- New Hampton High School Activity & Tour; January 10, 2019
- Science Olympiad, Genetics for Divisions B & C; March 2019
- High School Student Prospect Tour April 22, 2019
- New Hampton High School Activity & Tour; January 16, 2020
- UNI Alumni Association; “Tuesday Talk” speaker promoting use of SynDavers, June 2020

**Other Service:**

Assisting graduate students with microsatellite programs and data

Ryan Neuhaus 2015 Graduate

Jason Parks 2018 Graduate

Brianna Yarrow 2018 Graduate

For Anatomy & Physiology I Lab;

- Put together (2) tissue slide boxes with microscopes for library check out
- Cleaned out, organized, and labeled items according to the lab used in
- Requested (and received) funding to order half size human static model for library check out

For Anatomy & Physiology II Lab;

- Cleaned out, organized, and labeled items according to the lab used in

For Life: Continuity and Change Lab;

- Created (3) Study Guides with answer keys for use by all sections
- Created Handouts covering mitosis, meiosis, and aneuploidy for use in all sections
- Created laminated “cheat sheets” for estimating cell size and steps for analyzing a DNA Fingerprint gel for use by all sections.
- Created new “stockroom request” sheets for each weekly lab for the storekeeper

For General Biology: Cell, Structure and Function Lab;

- Created new answer keys (with pictures of the same microscope slides the students would be viewing) for the Plant & Animal Histology labs
- Wrote a lab manual winter of 2022
- Wrote instructions for use of new microscopes with digital imaging and annotation software.
- Created new “stockroom request” sheets for each weekly lab for the storekeeper
- Created new lab prep instructions for each weekly lab

For Genetics Lab;

- Created a Pedigree and Inheritance lab

For General Biology; Organismal Diversity Lab;

- Created laminated exam question cards with interchangeable taxonomic level “add ons” (for change of questions)
- Created hand-drawn dissection diagrams
- Created weekly study guides

**Summary of workshops/seminars (2010-2011 through present):**

March 2021: STEM Teaching Inquiry Based Labs “Thinking Like A Scientist” Module

July 2020: Panapto - Getting Started: “Record A Video”

July 2020: Panapto - Getting Started: “Edit A Video”

May 2020: “QM Course Design Essentials”

October 2022: eLearning: “UNI 1st Amendment Training”

October 2022: eLearning: “Title IX Training”

February 2023: eLearning - “Data Security Training”

February 2023: eLearning - “FERPA Training”

March 2023: eLearning - “Harassment and Discrimination Prevention”