

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

**BIOLOGICAL SCIENCES****Biological Sciences**

**BIOLOGY 120 BIOLOGICAL FOUNDATIONS (GL) ... A terminal course designed to introduce basic principles of life, such as structure and function, reproduction, evolution, diversity, and adaptation, leading to a broader understanding of man and his biological environment. Not applicable to biology emphases or minors. Three lectures and two hours of laboratory per week.**

**COREQ: MATH 141 OR MATH 140 OR WAIVER**

|       |             |            |                        |        |                |  |  |
|-------|-------------|------------|------------------------|--------|----------------|--|--|
| #1163 | Section 01  | [units: 4] | Gen Ed Laboratory (GL) |        |                |  |  |
|       | 06/19-07/29 | MTWR       | 10:45 AM - 01:35 PM    | UH0364 | Kerry Katovich |  |  |
|       | 06/19-07/29 | MTWR       | 10:45 AM - 01:35 PM    | UH0364 | George Clokey  |  |  |

**BIOLOGY 141 INTRODUCTORY BIOLOGY I (GL) ... An introduction to biology emphasizing the chemistry of life, the cell, metabolism, genetics, bacteria and protists. Three hours of lecture and one hour of discussion and two hours of laboratory per week. This course is prerequisite to all advanced courses in biology for majors and minors. Offered every term.**

**PREREQ: MATH 141 WITH A GRADE OF C OR BETTER OR WAIVER.**

|       |             |            |                        |   |               |  |  |
|-------|-------------|------------|------------------------|---|---------------|--|--|
| #1178 | Section 01  | [units: 5] | Gen Ed Laboratory (GL) | NOTE: This is a hybrid course. Labs are held in class, while lectures are online. |               |  |  |
|       | 06/19-07/29 | TR         | 10:45 AM - 01:45 PM    | UH0312  | Nadine Kriska |  |  |
|       | 06/19-07/29 | Arranged   | Arranged               | WEB BASED   | Nadine Kriska |  |  |

**BIOLOGY 214 ECOLOGY AND SOCIETY (GM) ... A study of basic ecological concepts and their application to the identification, understanding, and abatement of contemporary environmental problems. Special emphasis is given to those problems resulting from man and his activities. This course is accepted as a course in conservation required for teacher licensure in the sciences.**

|       |             |            |                                   |  |                 |  |  |
|-------|-------------|------------|-----------------------------------|--|-----------------|--|--|
| #1168 | Section 01  | [units: 3] | Gen Ed Math/Natural Sciences (GM) | NOTE: This is a web based course. Required additional course fee is \$150. |                 |  |  |
|       | 05/30-06/17 | Arranged   | Arranged                          | WEB BASED  | Stephen Solheim |  |  |

|       |             |            |                                   |   |  |  |  |
|-------|-------------|------------|-----------------------------------|---|--|--|--|
| #1700 | Section 01W | [units: 3] | Gen Ed Math/Natural Sciences (GM) | NOTE: This section is reserved for students in online majors only. This is a web based course. Required additional course fee is \$150. |  |  |  |
|-------|-------------|------------|-----------------------------------|---|--|--|--|

**PREREQ: MUST BE ADMITTED TO AN ON-LINE MAJOR**

|  |             |          |          |           |                 |  |  |
|--|-------------|----------|----------|-----------|-----------------|--|--|
|  | 05/30-06/17 | Arranged | Arranged | WEB BASED | Stephen Solheim |  |  |
|--|-------------|----------|----------|-----------|-----------------|--|--|

**BIOLOGY 250 ECOLOGY & GEOLOGY OF YELLOWSTONE NATL. PARK & UPPER GREAT PLAINS (GL) ... An interdisciplinary introduction to field methods, geology, ecology and natural history. Involves on-line work with additional lectures and labs at Yellowstone National Park and locations en route. Additional course fees apply. Students with disabilities may be accommodated. Biology or Geology/Geography majors take Bio/Geo 451 or see Department Chair. Summers only.**

**COREQ: MATH 140 OR MATH 141**

|       |             |            |                        |   |               |  |               |
|-------|-------------|------------|------------------------|---|---------------|--|---------------|
| #1175 | Section 01  | [units: 4] | Gen Ed Laboratory (GL) | NOTE: This is a General Laboratory (GL) course offered for all students. The course consists of two parts: 1) two weeks of online coursework and 2) two weeks of faculty-led group travel on July 10-21, 2017. Students with disabilities may be accommodated. Biology majors/minors, Environmental Studies majors/minors and Geology/Geography majors/minors should take BIO/GLG 451. Contact Kari Borne (bornek@uwu.edu or 262-472-1003) for an application or Professor Clokey (clokeyg@uwu.edu or 262-472-5140) for academic requirements. Travel study registration is not available via WINS registration. Travel study participants may not add or drop a travel study course via WINS once it has been added to their academic schedule. Go to <a href="http://www.uwu.edu/ce/travel">http://www.uwu.edu/ce/travel</a> for more information on due dates, itinerary, and course fees. |               |  | Dept. Consent |
|       | 06/19-07/29 | Arranged   | Arranged               | WEB BASED   | George Clokey |  |               |
|       | 07/10-07/21 | Arranged   | Arranged               | OFF CAMPUS  | George Clokey |  |               |

**BIOLOGY 253 INTRODUCTION TO CELL BIOLOGY ... Introduction to the chemical and physical bases of life; bacterial and eukaryotic cell structure and function; cellular respiration; photosynthesis; and molecular biology. Three hours of lecture per week. Offered every semester.**

**PREREQ: BIOLOGY 142 WITH A GRADE OF C OR BETTER AND CHEM 102 WITH A GRADE OF C OR BETTER. COREQ: CHEM 104**

|       |             |            |   |           |                |  |  |
|-------|-------------|------------|---|-----------|----------------|--|--|
| #1179 | Section 01  | [units: 3] | NOTE: This is a web based course. An addition fee of \$150 is required. |           |                |  |  |
|       | 06/19-07/29 | Arranged   | Arranged  | WEB BASED | Kristen Curran |  |  |

**BIOLOGY 257 INTRODUCTION TO ECOLOGY ... A survey of ecosystems and animal and plant populations and communities. Topics include review of the Earth's major biomes and the physical factors that influence them, the ecology and evolution of populations, the nature of biotic communities, the structure and function of ecosystems, and the status and protection of biodiversity. Three hours of lecture per week. Optional field trip. Offered every semester.**

**PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF C OR BETTER; UNREQ: BIOLOGY 214**

|       |             |            |   |           |               |  |  |
|-------|-------------|------------|---|-----------|---------------|--|--|
| #1411 | Section 01  | [units: 3] | NOTE: This is a web based course. An addition fee of \$150 is required. |           |               |  |  |
|       | 05/30-06/17 | Arranged   | Arranged  | WEB BASED | Joshua Kapfer |  |  |

**BIOLOGY 258 FIELD EXPERIENCE ... Introduction to regional terrestrial and aquatic biological communities and field techniques for studying these communities. Field work and lectures will emphasize recognition of biotic community types, interpretation of their dynamics, and methods for identifying and surveying organisms. Weekend field trip required. Registration priority given to Ecology/Field majors.**

**PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF "C" OR BETTER; COREQ: BIOLOGY 257**

|       |             |            |  |        |               |  |  |
|-------|-------------|------------|--|--------|---------------|--|--|
| #1505 | Section 01  | [units: 2] | NOTE: Required additional course fee is \$25 |        |               |  |  |
|       | 06/19-07/08 | MTWRF      | 02:00 PM - 03:50 PM                          | UH0360 | Joshua Kapfer |  |  |

*Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)*

**BIOLOGY 303 BIostatistics ... Students will learn fundamentals of hypothesis formation and testing, using a variety of univariate statistical methods. Consideration of experimental design and the evaluation of research methodologies published in the biological literature are explored in detail. Students will gain practical experience with implementation of statistical analyses using real world datasets and communicating these results effectively.**

**PREREQ: BIOLOGY 141 AND BIOLOGY 142 WITH A GRADE OF C OR BETTER AND MATH 141 WITH A GRADE OF C OR BETTER**

#1166 Section 01 [units: 4] NOTE: This class is taught online through D2L. The course site will be available to you at the beginning of the session. An additional \$200 fee will be assessed for this course.

06/19-07/29 Arranged Arranged WEB BASED Robert Kuzoff

**BIOLOGY 354 FIELD BOTANY ... A study of the identification and ecology of flowering plants, conifers and ferns. Emphasis will be given to the plants and plant communities in the vicinity of the course location. A collection of local plants is required of all students. Field trips required. Summer session only.**

**PREREQ: BIOLOGY 141 OR EQUIVALENT OR CONSENT OF INSTRUCTOR**

#1167 Section 01 [units: 3] NOTE: Required fee is \$25

06/19-07/08 MTWRF 10:45 AM - 01:35 PM UH0360 Nicholas Tippery

**BIOLOGY 451 NATURAL HISTORY OF YELLOWSTONE NP AND THE UPPER GREAT PLAINS ... This is an introductory, multi-disciplinary, summer field course open to all. It is held at Yellowstone National Park and locations in route. Students will learn field methods, geology, ecology and natural history. It is suitable for biology and geology majors and anyone interested in field science or natural history.**

**PREREQ: BIOLOGY 120 OR BIOLOGY 141 AND CONSENT OF INSTRUCTOR**

#1173 Section 01 [units: 3] NOTE: This is a 19-day faculty-led travel study course is intended for Biology majors/minors and Dept. Consent  
Geology/Geography majors/minors. Travel is scheduled to South Dakota, Montana, and Yellowstone National Park for Monday, August 3 - Saturday, August 22, 2015. Contact Kari Borne (bornek@uw.edu or 262-472-1003) for an application or Professor Clokey (clokeyg@uw.edu or 262-472-5140) for academic requirements. Travel study registration is not available via WINS registration. Travel study participants may not add or drop a travel study course via WINS once it has been added to their academic schedule. Go to <http://www.uw.edu/ce/travel> for more information on due dates, itinerary, and course fees.

07/24-08/11 Arranged Arranged OFF CAMPUS George Clokey

**BIOLOGY 492 LABORATORY TEACHING EXPERIENCE ... This course provides teaching experience at the college level for undergraduate students. Undergraduate teaching experience students will assist faculty members in preparing, delivering, and tearing down laboratory or discussion section instructional units in biology courses, conducting review sessions, and tutoring students under the direct supervision of a faculty mentor. S/NC only.**

**PREREQ: GRADE OF B OR BETTER IN ASSIGNED COURSE AND A GPA OF 3.0 OR BETTER. APPROVAL OF FACULTY MENTOR AND THE BIOLOGICAL SCIENCES DEPARTMENT. □**

#1169 Section 01 [units: 1]

05/30-06/17 Arranged Arranged ARRANGED Kerry Katovich  
S/NC Grading Basis Only

Dept. Consent

**BIOLOGY 493 INTERNSHIP IN BIOLOGY ... Variable topics.**

#1170 Section 01 [units: 1-12]

05/30-08/19 Arranged Arranged ARRANGED Bruce Eshelman  
S/NC Grading Basis Only

Dept. Consent

**BIOLOGY 498 INDEPENDENT STUDY ... Typical projects may include helping researchers in conducting research projects or helping instructors develop pedagogical tools for their courses. Eligible students who are conducting their own research projects should enroll in Biology 498R. Repeatable for a maximum of 6 credits in major and degree or 2 units in the minor.**

**PREREQ: BIOLOGY 141, BIOLOGY 142 AND A 2.0 GRADE POINT AVERAGE IN BIOLOGY**

#1171 Section 01 [units: 1-3]

05/30-08/19 Arranged Arranged ARRANGED Kerry Katovich  
S/NC Grading Basis Only

Instructor Consent

#1180 Section 02 [units: 1-3]

05/30-06/17 Arranged Arranged ARRANGED Kerry Katovich  
S/NC Grading Basis Only

Instructor Consent

**BIOLOGY 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... Students will complete and present an undergraduate research project under the direction of a faculty mentor. Projects may require more than one semester to complete. Repeatable for a maximum of 6 units in major and degree or 2 in the minor.**

**PREREQ: BIOLOGY 141 AND BIOLOGY 142 AND 2.75 GPA IN BIOLOGY.**

#1172 Section 01 [units: 1-3]

05/30-08/19 Arranged Arranged ARRANGED Kerry Katovich

Dept. Consent

\*\*\* GRADUATE LEVEL COURSES \*\*\*

**BIOLOGY 651 NATURAL HISTORY OF YELLOWSTONE NP AND THE UPPER GREAT PLAINS ... This is an introductory, multi-disciplinary, summer field course open to all. It is held at Yellowstone National Park and locations in route. Students will learn field methods, geology, ecology and natural history. It is suitable for biology and geology majors and anyone interested in field science or natural history.**

**PREREQ: BIOLOGY 120 OR BIOLOGY 141 AND CONSENT OF INSTRUCTOR**

#1174 Section 01 [units: 3] NOTE: This is a 19-day faculty-led travel study course is intended for Biology majors/minors and Dept. Consent  
Geology/Geography majors/minors. Travel is scheduled to South Dakota, Montana, and Yellowstone National Park for Monday, August 3 - Saturday, August 22, 2015. Contact Kari Borne (bornek@uw.edu or 262-472-1003) for an application or Professor Clokey (clokeyg@uw.edu or 262-472-5140) for academic requirements. Travel study registration is not available via WINS registration. Travel study participants may not add or drop a travel study course via WINS once it has been added to their academic schedule. Go to <http://www.uw.edu/ce/travel> for more information on due dates, itinerary, and course fees.

07/24-08/11 Arranged Arranged OFF CAMPUS George Clokey