

One Health (OH)

College of Indigenous Studies

Center for One Health Research (<https://www.uaf.edu/onehealth/>)
907-474-6610

OH F610 Advance Pharmacology

3 Credits

Offered Spring

This course provides an understanding of pharmacology principles. Theoretical aspects of drug administration routes, absorption, distribution, biotransformation and elimination are explored. The drug-receptor interaction and overall biochemical, physiologic and molecular effects of drugs are discussed in detail. Therapeutic agents for physiological systems and their mechanisms of pharmacological action are studied.

Prerequisites: BIOL F312, BIOL F412, BIOL F417, CHEM F449, CHEM F450 or CHEM F470.

Lecture + Lab + Other: 3 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

OH F615 One Health Concepts

2 Credits

Offered Fall

This course introduces students to the One Health paradigm with emphasis on its application in the circumpolar North. Students explore the relationships between human, animal and environmental health. This holistic approach incorporates knowledge from natural and social sciences, history and culture of communities, traditional knowledge, laws and government regulations.

Prerequisites: Admission to the One Health master's degree program.

Lecture + Lab + Other: 2 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

OH F620 One Health Challenges in the Circumpolar North

3 Credits

Offered Fall

Students are introduced to various tools and techniques to use a constructionist approach through a One Health lens to address significant issues in the circumpolar North. Students will learn to identify One Health challenges, gather information, engage stakeholders, communicate across several disciplines, build consensus and develop action plans.

Prerequisites: OH F615 (may be taken concurrently); admission to the One Health master's degree program.

Lecture + Lab + Other: 3 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

OH F621 One Health Colloquium

4 Credits

Offered Spring

Building on the concepts developed in OH F615 and the tools utilized in OH F620, this course provides students with the opportunity to work completely through a One Health challenge, including engagement of stakeholders, gathering of data, proposal of solutions and presentation of management plans in a public forum.

Prerequisites: OH F615; OH F620; admission to the One Health master's degree program.

Lecture + Lab + Other: 4 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

OH F690 One Health Internship

2-4 Credits

Offered Spring

This is an experiential learning opportunity for students to engage with non-profit, governmental and community-based organizations. The goal of this internship is to link classroom learning and student interests in an applied setting. Students will create a reflection on their experience demonstrating how they addressed specific learning goals.

Prerequisites: OH F615; OH F620; OH F621 (may be taken concurrently).

Lecture + Lab + Other: 6 + 0 + 90-160

Grading System: Letter Grades with option of Plus/Minus

OH F699 One Health Thesis

1-12 Credits

Offered Fall, Spring and Summer

Lecture + Lab + Other: 0 + 0 + 1-12

Grading System: Pass/Fail Grades

Repeatable for Credit: May be taken 99 times for up to 99 credits