



Course Catalog, 2018-19

Available for students enrolled in Alaska Gateway and Yukon-Koyukuk School Districts.
This includes students in AGSD's REACH Academy and YKSD's Raven Homeschool.

High School

Alaska Veterinary Technology

Course Delivery	Asynchronous, or synchronous if curriculum and course timeline is followed by local teacher and work submitted to course instructor Peggy Bruno.
Prerequisite	None
Grade Level	9th and 10th are target audience, but open to all high school age students
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	3 credits per semester, 6 credits for full year
Type of Credit	Science
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers

Course Description: Veterinary Technology is a portal to one of the most rewarding and enriching fields of study. Veterinary medicine is composed of compassionate professionals, technically skilled and work as a team. As in human medicine, the veterinary health-care team is composed of many members, each with an important role in the proper care of patients and function of a veterinary hospital. This course is divided into 36 weekly units encompassing science, medical terminology, animal behavior and handling, office procedures, and so much more. This course is an overview of what knowledge is needed to become a veterinary assistant.





Course Catalog, 2018-19

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High School, continued

Veterinary Science 100

Course Delivery	Asynchronous, or synchronous if curriculum and course timeline is followed by local teacher and work submitted to course instructor Peggy Bruno.
Prerequisite	None
Grade Level	11th and 12th are target audience, but open to all high school age students
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	3 credits per semester, 6 credits for full year
Type of Credit	Science
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers

Course Description: Veterinary medicine is composed of compassionate professionals who are technically skilled and work as a team. As in human medicine, the veterinary health-care team is composed of many members, each with an important role in the proper care of patients and function of a veterinary hospital. The 36-week course encompasses science, medical terminology, animal behavior and handling, office procedures, and much more. Through online delivery and local lab participation, students will meet the challenging and rewarding requirements needed to become employed as a veterinary team member. We will also build on the sport of dog mushing as inspired by George Attla and the Frank Attla Youth & Sled Dog Care-Mushing Program.





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High School, continued

Veterinary Science 200

NEW THIS
YEAR!

Course Delivery	Asynchronous, or synchronous if curriculum and course timeline is followed by local teacher and work submitted to course instructor Peggy Bruno.
Prerequisite	Veterinary Science 100
Grade Level	11th and 12th are target audience, but can be open to any 10-12 who have completed the 100 level course
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	Science
Type of Credit	3 credits per semester, 6 credits for full year
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers

Course Description: This course builds on the Veterinary Science 100 course with more advanced topics and experiences for students. These topics include basic microbiology, surgical assistance (e.g., anesthesiology, basic pre- and post-op techniques and procedures), pathology knowledge and lab skills, radiology, understanding lab animal research, exploring dog breeds, and gaining the technical skills for large animal care.





Course Catalog, 2018-19

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High School, continued

Local History Project

NEW THIS
YEAR!

Course Delivery	Live delivery by <u>teacher on site</u> - putting together curriculum materials provided in Canvas.
Prerequisite	None
Grade Level	Open to all high school age students
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	None
Type of Credit	Elective
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers, elders and other local experts and knowledge keepers.

Course Description: This course is designed to facilitate student investigation into their local communities, with the goal of student created works about their local areas. The course expects that students will conduct research online using archives, and locally using libraries and community members. There is an emphasize on engaging with and interviewing community. The course was created to be flexible to meet to needs of unique situations, different communities, multiple grade levels (middle or high school), and course lengths. Teachers can pull from specific pieces for the modules to address the needs of their students. Scaffolding is essential for student success. They will need knowledge about historical methods, interviewing, storyboarding, as well as technical skills for camera usage and (possibly) video creation.





Course Catalog, 2018-19

Available for students enrolled in Alaska Gateway and Yukon-Koyukuk School Districts.

High School, continued

Alaska Culture and Dog Mushing

Course Delivery	Live delivery by <u>teacher on site</u> - putting together curriculum materials provided in Canvas.
Prerequisite	None
Grade Level	Open to all high school age students
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	None
Type of Credit	Elective
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers, elders and other local experts and knowledge keepers.

Course Description: This course is a compilation of studies of Alaska's varied cultures.





Course Catalog, 2018-19

Available for students enrolled in Alaska Gateway and Yukon-Koyukuk School Districts.

Middle School

Middle School Animal Science

Course Delivery	<u>Live delivery by teacher on site</u> - putting together curriculum materials organized by A-CHILL teachers. This course provides course cultural and animal science lesson plans. Teachers can use this material to <u>design their own course</u> .
Prerequisite	None
Grade Level	6th-8th
Credit Value - HS	No credit
Credit Value - UAF	No credit
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers, elders and other local experts and knowledge keepers.

Course Description: This course provides cultural and animal science lesson plans.

Alaska Culture and Dog Mushing

Course Delivery	Live delivery by <u>teacher on site</u> - putting together curriculum materials provided in Canvas.
Prerequisite	None
Grade Level	Open to all high school age students
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	None
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers, elders and other local experts and knowledge keepers.

Course Description: This course is a compilation of studies of Alaska's varied cultures.



Course Catalog, 2018-19

Available for students enrolled in Alaska Gateway and Yukon-Koyukuk School Districts.

Middle School, continued

Local History Project

NEW THIS YEAR!

Course Delivery	Live delivery by <u>teacher on site</u> – putting together curriculum materials provided in Canvas.
Prerequisite	None
Grade Level	Open to all high school age students
Credit Value - HS	½ credit per semester, 1 credit for full year
Credit Value - UAF	None
Type of Credit	Social Studies
Grade Scale	A-F
Field Experience	This course will include field experiences with local mushers, elders and other local experts and knowledge keepers.

Course Description: This course is designed to facilitate student investigation into their local communities, with the goal of student created works about their local areas. The course expects that students will conduct research online using archives, and locally using libraries and community members. There is an emphasize on engaging with and interviewing community. The course was created to be flexible to meet to needs of unique situations, different communities, multiple grade levels (middle or high school), and course lengths. Teachers can pull from specific pieces for the modules to address the needs of their students. Scaffolding is essential for student success. They will need knowledge about his-torical methods, interviewing, storyboarding, as well as technical skills for camera usage and (possibly) video creation.

