CTT F154 II1: Fixtures, Faucets and Venting Systems  CANCELLED
CRN:  37417   Tuition:  $237   Credits:  1   Instructor: Michael Hirt
When:  M-F, January 27-31, 2020   Time: 8am-12pm
This course covers various types of fixtures including sinks, bathtubs, water closets and dishwasher. An overview of the drain waste and vent system from inside the structure, where the liquid drains into pipes, to the outside sewer system.

CTT F137 II1: Appliance Troubleshooting and Repair-TOYO
CRN:  37418   Tuition:  $424   Credits:  2   Instructor: Michael Hirt
When:  M-F, January 27-31, 2020   Time: 1pm-5pm
Saturday, February 1, 2020   Time: 8am-4pm
This course will provide students with conceptual and practical applications in troubleshooting and repairing various appliances with an emphasis on the Toyo stove. The instructor will lead the students in servicing stoves and ordering parts that are needed to make the units functional. Students will learn how to use a volt/amp/ohm meter and basic tool protocol.

CTT F135 II1: Boiler Troubleshooting and Burner Repair
CRN:  37419   Tuition:  $424   Credits:  2   Instructor: Michael Hirt
When:  M-Sa, February 17-22 2020   Time: 8am-12:30pm
Focuses on the basic components of boilers and burners used in industry for heating residential properties. Key concepts and strategies related to the process and safety operations of combustion, boiler thermodynamics, control systems, fuel pumps, ignition systems, draft and venting principles and boiler operation according to hydronic principles and Alaska code.

CTT F138 II1: Residential Heating Controls
CRN:  37420   Tuition:  $424   Credits:  2   Instructor: Michael Hirt
When:  M-Sa, February 17-22, 2020   Time: 1:30pm-6pm
The course will provide conceptual and practical applications for students wishing to become a residential heating control technician. Topics explored will be diagnosis equipment problems in operation, testing, and adjusting conventional and electronic thermostats. Students will also receive instruction on the operation of common electrical circuits used to control residential heating systems.

To register/ information about funding opportunities:
Interior Alaska Campus
(888) 474-5207 or (907) 474-5439
www.uaf.edu/iac or
on Facebook

All classes held at the IAC Campus, 810 Draanjik Drive, Fairbanks, AK

Classes count toward an Occupational Endorsement and/or Certificate
UAF is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual:  www.alaska.edu/titleIXcompliance/nondiscrimination
EARN YOUR RED CARD IN 3 WEEKENDS

Wildland Fire Science

In Fairbanks
FEB 22\textsuperscript{nd}-Mar 8\textsuperscript{th} 2020
WEEKENDS ONLY

WFS / FIRE F151 – Wildland Firefighter I
CRN - 38202

3-credits

Saturdays and Sundays only 9am-5pm

This Course is the first step to fighting wildland fire in Alaska and the Lower 48. This course is cross listed with FIRE F151 and the credits will count toward an A.A.S. Degree in Fire Science as well as an Occupational Endorsement in Wildland Fire Science. Successful course completion will earn national certification and eligibility for the UAF Wildland Fire Crew.

CONTACT:
TYLAN MARTIN
474-6334
Tjmartin5@alaska.edu
CTT F106 II1: Construction Mathematics  
CRN: 37421  Tuition: $561  Credits: 3  Instructor: Ryan Ford  
When: Monday-Friday; March 23-April 3, 2020 (2 weeks)  
Time: 8am-12pm  
This course introduces basic mathematical procedures commonly used in the construction and maintenance crafts, such as, multiplication, subtraction, addition, division, working with fractions, and measuring areas, volume, and capacity of shapes.  
Required Textbook: *Mathematics for Carpentry and the Construction Trades*, 3rd edition, Alfred P. Webster, Kathryn E. Bright, Published by Pearson. $173.25, Available at UAF Bookstore.

CTT F100 II1: Core Technology  
CRN: 37422  Tuition: $661  Credits: 3  Instructor: Ryan Ford  
When: March 23-April 3, 2020  
Time: Monday-Friday; March 23-March 27, 2020: 1pm-6pm  
Saturday, March 28, 2020: 9am-12pm  
Monday-Friday, March 30-April 3, 2020  1pm-6pm  
This course introduces basic construction techniques using OSHA approved standards by stressing how to follow safe work practices and procedures, how to safely use hand and power tools, and how to extract information from construction drawings.  
Required Textbook: *Core Curriculum Trainee Guide*, 5th edition, Published by Pearson, $81.50 Available at UAF Bookstore.

To register/ information about funding opportunities:  
Interior Alaska Campus  
(888) 474-5207 or (907) 474-5439  
www.uaf.edu/iac or  
on Facebook

All classes held at the IAC Campus, 810 Draanjik Drive, Fairbanks, AK

Classes count toward an Occupational Endorsement and/or Certificate  
UAF is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: www.alaska.edu/titleIXcompliance/nondiscrimination
Introduction to scientific methodology and biological principles with a focus on humans as biological organisms. Topics include organization of the human body, human genetics, human development and the relationship between our bodies and health. Includes lecture, discussion, lab and projects. May not be used as biology elective credit for a major in biological sciences. Note: Intended for non-science majors and those seeking preliminary instruction before beginning study in health-related areas. Note: Available through Northwest and Rural campuses.

Prerequisites: Placement in WRTG F111X; placement in DEVM F105.

Attributes: UAF GER Natural Science Req

Lecture + Lab + Other: 3 + 3 + 0

Interior Alaska Campus
(888) 474-5439
(907) 474-5207
web: www.uaf.edu/iac
Offered Spring
Integrated view of human structure and function. Continuation of Human A&P I. Covers endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive systems.

Prerequisites: BIOL F111X.
Co-requisites: BIOL F112L.
Attributes: UAF GER Natural Science Req
Lecture + Lab + Other: 3 + 3 + 0
Patterns are present in every aspect of daily life. In this course, we develop mathematical concepts and tools to understand what patterns can tell us. Topics may include dividing things fairly; determining efficient routes and schedules; analyzing networks and their properties; the mathematics of symmetry, fractal geometry, and patterns in nature.

Prerequisite: An appropriate score on the math placement test, MATH F105, MATH F105N or MATH F105J.

Special Notes: This course may be taken independently from MATH F113X, and both courses can be taken for credit in either order.

Attributes: UAF GER Mathematics Req
Lecture + Lab + Other: 3 + 0 + 0
Mathematics for Elementary School Teachers II

MATH F212 UI1 CRN 37446, 3 credits

1/13/20–4/24/20
W 7:00 PM–9:00 PM
Blackboard/Zoom

Lorinda Fattic
lfattic@alaska.edu
(907) 474-5443

Offered Spring
A continuation of MATH F211. Real number systems and subsystems, logic, informal geometry, metric system, probability and statistics. Emphasis on classroom methods.
Prerequisites: MATH F211.
Lecture + Lab + Other: 3 + 1 + 0

Interior Alaska Campus
(888) 474-5439
(907) 474-5207
web: www.uaf.edu/iac
Develops college writing and reading strategies. Reviews sentence and paragraph structure as part of the development of essays. Emphasizes revision techniques for essays and critical reading in academic contexts. A grade of C or higher in this course qualifies students for WRTG F110. On completing this course students may retake Accuplacer for placement into WRTG F111X.

Prerequisites: Placement into WRTG F090, or a grade of C or higher in WRTG F080, or DEVE F060 and DEVS F052.

Lecture + Lab + Other: 4 + 0 + 0

Katherine Lubowicki
kmlubowicki@alaska.edu
(907) 474-6494
Introduction to College Writing

WRTG F110 UI1 CRN 37415, 3 credits

1/13/20-4/27/20
T/R 5:10 PM - 6:40 PM

Katherine Lubowicki
kmlubowicki@alaska.edu
(907) 474-6494

Offered Fall and Spring
Intensive preparatory work in the college writing skills needed for WRTG F111X, including research, writing, revising and critical reading skills. Special fees apply.
Prerequisites: C or better in WRTG F090, or placement.
Lecture + Lab + Other: 3 + 0 + 0

Interior Alaska Campus
(888) 474-5439
(907) 474-5207
web: www.uaf.edu/iac
An introduction to writing strategies and processes for reading and responding to rhetorical situations across a variety of public and academic contexts.

Prerequisites: Placement into WRTG F111X.

Lecture + Lab + Other: 3 + 0 + 0