

# Articulation Agreement

2019-2020

**University Alaska Fairbanks**

Interior Alaska Campus

810 Draanjik

Fairbanks, Alaska 99709

**Yukon Flats School District**

Po Box 350

Ft. Yukon, Alaska 99740

**Purpose:**

In addition to the current Tech Prep Agreement between University of Alaska Fairbanks and Yukon Flats School District, we have agreed to add the following course that is within Welding and Materials Technology program.

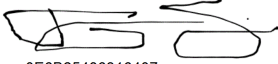
1. Yukon Flats School District will follow a UAF Welding and Materials Technology curriculum in coordination with the administration and faculty of the University of Alaska Fairbanks pertaining to the following courses on the course below.
2. Yukon Flats School District will teach for the attached outcomes.
3. The attached syllabus will follow the learning outcomes of the university-approved course listed.

<b>UAF Course Number</b>	<b>UAF Course Title</b>	<b>Number of UAF Credits</b>	<b>Yukon Flats School District Course Title</b>
WMT F160	Gas Metal Arc Welding	2 Credit	Gas Metal Arc Welding

1. The attached syllabus will be followed.
2. Yukon Flats School District will provide necessary support for students to be successful in this course which may include computer support, reference books and academic assistance.
3. Interior Alaska Campus will process the registrations.
4. In order to receive concurrent credit, the student will register for the Tech Prep class during the semester in which the competencies will be completed.

**Approvals:**

Anthony Simko  
Assistant Professor  
Welding and Materials Technology  
Department Chair  
Community and Technical College  
University of Alaska Fairbanks

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April 15, 2019  
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Signature



Date

Bryan Uher  
Director  
University of Alaska Fairbanks  
Interior Alaska Campus  
Fairbanks, Alaska

Gerald Andrew  
Voc Ed Center  
Yukon Flats School District  
Ft. Yukon, Alaska

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April 1, 2019  
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May 3, 2019  
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Kevin Illingworth    
Acting Dean-College of Rural and  
Community Development  
P.O. Box 6500  
University of Alaska Fairbanks  
Fairbanks, AK 99775-6500


Michele Stalder  
Dean-Community and Technical College  
604 Barnette Street  
University of Alaska Fairbanks  
Fairbanks AK 99701

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 April 15, 2019  
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 April 15, 2019  
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Signature Date

Anupma Prakash,   
Provost and Executive Vice Chancellor  
P.O. Box 7580  
University of Alaska Fairbanks  
Fairbanks, AK 99775-7580

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 May 20, 2019  
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Signature Date

Course Syllabus  
Gas Metal Arc Welding – WMT F160  
UAF - Fort Yukon - YFSD - CTE

<b>Term:</b>	2019 Spring
<b>Course Title:</b>	Gas Metal Arc Welding
<b>Dept. &amp; Num:</b>	WMT F160
<b>Credits:</b>	2
<b>Prerequisites:</b>	None
<b>Dates:</b>	03/28-4/4/2019
<b>Days &amp; Times:</b>	TBD
<b>Location:</b>	Yukon Flats School District – CTE Center
<b>Instructor:</b>	Jack Simpson
<b>Position:</b>	Adjunct Instructor
<b>Office Location:</b>	UAF Yukon Flats Campus
<b>Phone:</b>	907-841-5219
<b>Fax:</b>	907-662-6044
<b>Email:</b>	jsimpson@mtaonline.net
<b>Hours Available:</b>	By Appointment
<b>Text:</b>	Handout package will be issued: <u>Victor Welding, Cutting and Heating Guide</u>
<b>Supplemental Readings:</b>	From Handout package and guide ( <u>Victor, Lincoln, Hypermax</u> )
<b>Supplies:</b>	Appropriate clothing: student must wear cotton pants without holes, cotton shirt, leather work boots. YFSD will supply safety and PPE clothing.

**Course Description:**

Prepares student to work with gas cutting/welding and wire feed processes. Gas metal arc welding focuses on ferrous and nonferrous metals welded in all positions. Additional skill and experience will be in oxygen/acetylene cutting and welding along with plasma and the use of power and hand tools.

**Course Goals:**

Students will become knowledgeable in the use of an oxygen/acetylene torches and GMAW processes, power and hand tools used in welding shops. Successful students will become entry level proficient in cutting, welding and GMAW skills.

**Student Learning Objectives:**

<b>Students Shall Be Able To...</b>	<b>Evaluated By...</b>
<ul style="list-style-type: none"> <li>• Work safely in the welding shop and environment by understanding safety procedures and applications in GMAW processes.</li> </ul> <p><b>Understand OAW fundamentals:</b></p> <ul style="list-style-type: none"> <li>• Properly setup, adjust and ignite an GMAW apparatus.</li> <li>• Develop proper hand, eye coordination.</li> <li>• Develop proper body position that best supports a satisfactory outcome</li> <li>• Become proficient in stringer beads, laps, butts, and tees in the flat and horizontal positions.</li> <li>• Know safety procedures and OSHA requirements.</li> </ul>	Instructor

Course Syllabus  
Gas Metal Arc Welding – WMT F160  
UAF - Fort Yukon - YFSD - CTE

**Instructional Methods:**

- Lectures
- Demonstrations

**Course Calendar:**

Sessions	Topics to be Covered	Assignments, Quizzes, Tests
Class 1 2 Hours	Welcome, introduction and course syllabus Job market outlook and next step opportunities Skills USA competition	
Class 2 9 Hours Independent study 3 Hours	Safety Issue to students PPE and shop safety equipment. Lecture on oxy/acetylene and GMAW fundamentals Introduce types of welding equipment Demonstration on oxy/acetylene and GMAW	Quiz 1 Safety test #1
Class 3 9 Hours Independent study 3 Hours	Review oxy/acetylene and GMAW safety and welder operations. Student Practice	Quiz 2 Safety test #2
Class 4 9 Hours Independent study 3 Hours	Lectures on GMAW welders and positions Lectures and demonstrations on SMAW Student Practice on SMAW	Quiz 3
Class 5 9 Hours Independent study 3 Hours	Q&A Session Intro to other welding processes Individual proficiency exam	Quiz 4 Safety test #4
Class 6 9 Hours Independent study 3 Hours	Review safety in all processes Finish any demonstrations and proficiency exams Student practice in all processes Clean up shop Final	Final exam

**Course Syllabus**  
**Gas Metal Arc Welding – WMT F160**  
**UAF - Fort Yukon - YFSD - CTE**

**Course Policies:**

1. Students must conduct themselves honestly & responsibly, & to respect the rights of others.
2. Attendance is mandatory.
3. Late assignments are not accepted without prior approval of instructor.
4. The instructor reserves the right to amend this course outline as needed.
5. No food or drink is allowed in the lab.

**Final Exam:**

Written and practical exam

**Evaluation:**

Breakdown of grading by percentage:

Attendance, employability	10%
Quizzes	10%
Safety	20%
Independent Study	20%
Individual Proficiency Exam	20%
Final	20%

**Pass/Fail:**

YFSD students must achieve a 70% or better to pass this class for YFSD.

**Grading Policy:**

Letter Grades

A	93-100%	B-	80-82%	D+	67-69%
A-	90-92%	C+	77-79%	D	63-66%
B+	87-89%	C	73-76%	D-	60-62%
B	83-86%	C-	70-72%	F	Below 60%

**Support & Disability Services:**

University of Alaska Fairbanks  
 Interior Alaska Campus  
 PO Box 756720  
 Fairbanks, AK 99775  
 Toll Free 888-474-5207  
 Phone 907-474-5439  
 Fax 907-474-5208

Students can also go to the following websites and/or hotlines for help:

- UAF – <http://www.uaf.edu>
- College of Rural & Community Development – <http://www.uaf.edu/rural/>
- Bristol Bay Campus – <http://www.uaf.edu/bbc/index.html>
- UA Online – <http://uaonline.alaska.edu/>
- Math Hotline – 866-823-6284
- Writing Center – <http://www.alaska.edu/english/studentresources/writing/>
- Library Services for Off Campus Students – <http://library.uaf.edu/offcampus>

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**Disclosures:**

UAF is an AA/EO employer and educational institution.

The University of Alaska Fairbanks is accredited by the Northwest Commission on Colleges and Universities. UAF is an affirmative action/equal opportunity employer and educational institution.

You may confidentially disclose and access confidential counseling by contacting the UAF Health and Counseling Center at 907-474-7043. You can get support and file a Title IX report by contacting the UAF Title IX coordinator at 907-474-7599. You may file a criminal complaint by contacting the UAF Police Department at 907-474-7721.

**From Disability Services:** UAF is obligated to provide accommodation only to the known limitations of an otherwise qualified student who has a disability. Please identify yourself to UAF Disability Services by applying for accommodations. To be considered for UAF Disability Services accommodations, individuals must be **enrolled for at least one credit** as a UAF student. For more information contact Disability Services at [uaf-disabilityservices@alaska.edu](mailto:uaf-disabilityservices@alaska.edu), 907-474-5655 or by TTY at 907-474-1827.

Center for Health and Counseling, provides academic accommodations to enrolled students who are identified as being eligible for these services. If you believe you are eligible, please visit <http://www.uaf.edu/disability> on the web or contact a student affairs staff person at your nearest local campus. You can also contact Disability Services on the Fairbanks Campus at 907-474-5655, by email at [uaf-disabilityservices@alaska.edu](mailto:uaf-disabilityservices@alaska.edu).

Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc to find reasonable accommodations. Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. As required, if I notice or am informed of certain types of misconduct, then I am required to report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site:  
[www.uaf.edu/handbook/](http://www.uaf.edu/handbook/)