Articulation Agreement
2017-2018

University Alaska Fairbanks
Interior Alaska Campus
4280 Geist Road
Fairbanks, Alaska 99709

Galena City School District
PO Box 299
Galena, Alaska 99741

Purpose:
In addition to the current Tech Prep Agreement between University of Alaska Fairbanks and Galena City School District, we have agreed to add the following course that is within UAF Aviation Program:

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

<table>
<thead>
<tr>
<th>UAF Course Number</th>
<th>UAF Course Title</th>
<th>Number of UAF Credits</th>
<th>Galena City School District Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVTY 100</td>
<td>Ground School</td>
<td>4 credits</td>
<td>Ground School</td>
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</table>

1. The attached syllabus will be followed.
2. Galena City 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:

Arvid Weflen
Director of Aviation Programs
UAF Community and Technical College
University of Alaska Fairbanks

March 26, 2018

Signature  Date

Bryan Uher  Chris Reitan
Interim Director  Superintendent
University of Alaska Fairbanks  Galena City School District
Interior Alaska Campus  Galena, Alaska
Fairbanks, Alaska

March 28, 2018

Signature  Date

March 28, 2018
Mary Pete  
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

Susan Henrichs, Provost  
P.O. Box 7580  
University of Alaska Fairbanks  
Fairbanks, AK 99775-7580  
\[signature\]  
\[date\]
AVTY F100 - Private Pilot Ground School
Syllabus
4 credit year-long course
Galena Interior Learning Academy
Instructor: Joshua D. Kaufield

Term: Fall 2017 - Spring 2018
Course Title: Private Pilot Ground School
Dept. & Num.: AVTY F100
Credits: 4
Prerequisites: Students must demonstrate the ability to read, write, and understand the English language as per the student pilot eligibility requirements of Federal Aviation Regulation 61.83. Students under 15 years of age, admitted only with Instructor approval.
Dates: August 21, 2017 - May 17, 2018
Days & times: There are three separate class periods for students to attend ground school
   A Day 1st Period - 9:00-10:30AM (Mon-Fri. on alternating days)
   B Day 1st Period - 9:00-10:30AM (Mon-Fri. on alternating days)
   B Day 2nd Period - 10:35-12:05AM (Mon-Fri. on alternating days)
Location: Galena Interior Learning Academy
Instructor: Joshua D. Kaufield CFII, AGI, and A&P
Position: Flight Instructor
Phone: (907) 656-2053, ext. 365
Email: josh.kaufield@galenanet.com
Office hours: Monday-Friday 8:00am to 4:00pm

Text: Jeppesen Private Pilot Guided Discovery Part 61 Kit
Supplemental Readings: Handouts supplied by instructor

Course Description: This course is a basic introduction to aviation. Students are expected to complete the knowledge requirements of Federal Aviation Regulation 61.105 for a Private Pilot Certificate.

Skill expectations:
No previous experience in aviation is required.

Course Goals & Student Learning Outcomes:
Unit #1: Discovering Aviation
   • Student exhibits understanding of the eligibility, knowledge and experience requirements to become a private pilot. (FAR 61.105)
   • Student demonstrates understanding of human factors principles and their applicability to Aeronautical Decision Making (ADM).
Unit #2: Fundamentals of Flight
   • Student explains the principles of powerplants and aircraft systems. (FAR 61.105b10)
   • Student explains the principles of aerodynamics. (FAR 61.105b10)
- Student explains the elements related to stall awareness, spin entry, spins, and spin recovery for airplanes. (FAR 61.105b11)

Unit #3: Flight Operations
- Student correctly identifies and applies Federal Aviation Regulations of Title 14 CFR that relate to private pilot privileges and limitations. (FAR 61.105b1)
- Student explains the accident reporting requirements of the National Transportation Safety Board. (FAR 61.105b2)
- Student is able to make practical use of applicable portions of the "Aeronautical Information Manual" and FAA Advisory Circulars. (FAR 61.105b3)
- Student explains how to safely and efficiently operate an aircraft including collision avoidance precautions and recognition and avoidance of wake turbulence. (FAR 61.105b7)
- Student demonstrates appropriate radio communications procedures in a variety of simulated situations. (FAR 61.105b5)
- Student exhibits knowledge of the elements related to airworthiness requirements of airmen and aircraft. (Private Pilot PTS Task IB)
- Student exhibits knowledge of the elements related to the National Airspace System by explaining airspace classes - their operating rules, pilot certification, airplane equipment requirements, and basic VFR weather minimums. (Private Pilot PTS Task 1E)

Unit #4: Aviation Weather
- Student explains basic principles of weather theory.
- Student exhibits knowledge of the elements related to weather information by analyzing weather reports, charts, and forecasts from various sources. (FAR 61.105b6, Private Pilot PTS Task IC1)
- Student is able to explain appropriate windshear avoidance precautions. (FAR 61.105b6)

Unit #5: Performance & Navigation
- Student describes the effects of atmospheric conditions on takeoff and climb performance. (FAR 61.105b8, Private Pilot PTS Task IF4)
- Student computes the weight and balance of a loaded airplane and determines if the computed weight and center of gravity are within the airplane's operating limitations. (FAR 61.105b9, Private Pilot PTS Task IF2)
- Student exhibits knowledge of the elements related to performance and limitations by explaining the use of charts, tables, and data to determine performance and the adverse effects of exceeding limitations. (Private Pilot PTS Task IF1)

Unit #6: Integrating Pilot Knowledge & Skills
- Student demonstrates good judgment and aeronautical decision making in a variety of simulated real-life scenarios. (FAR 61.105b12)
- Student demonstrates thorough and adequate preflight action that includes how to obtain information on runway lengths at airports of intended use, data on takeoff and landing distances, weather reports and forecasts, fuel requirements, and how to plan for alternatives if the planned flight cannot be completed. (FAR 61.105b13)
- Student exhibits knowledge of the elements related to aeromedical factors. (Private Pilot PTS Task IJ)

Instructional methods:
The basic, required content will be communicated to students through direct instruction - lectures and guided discussions. Each lecture is supported by a power-point slideshow and a prepared packet of student notes. This content will be reinforced as students are able to: experience simulated flight

Grading System:
The final grade will be based on the average of the following:
Quizzes - 10 pts. each
Chapter Tests - 50 pts. each
End of Course Exam - 100 pts.

Evaluation:
Students will be evaluated by their participation in class, professionalism in their approach to learning, and the quality and completion of their projects and assignments.

Grading Scale:
A=100-90%
B=89-80%
C=79-70%
D=69-60%
F=59-0%

Meeting Time:
Group #1: A Day 1st Period - 9:00-10:30AM (Mon-Fri. on alternating days)
Group #2: B Day 1st Period - 9:00-10:30AM (Mon-Fri. on alternating days)
Group #3: B Day 2nd Period - 10:35-12:05AM (Mon-Fri. on alternating days)

Course Policies:
- Students will conduct themselves ethically, responsibly, and professionally, respecting the rights of others to learn in a least restrictive environment.
- Attendance is mandatory.
- Students will take care of their personal needs (i.e. bathroom, drinks, snacks, etc.) during designated hall breaks.

Support Services:
Galena Interior Learning Academy (GILA)
PO Box 359 Galena, AK 99741
907-656-2053
www.galenalaaska.org
GILA Aviation Technology offers the following learning supports:
After school tutoring and supplementary instruction Monday-Thursday 3:50-4:50pm
Saturday study halls 8:00am-12:00pm
Career counseling
Disability Services:
The Office of Disability Services implements the Americans with Disabilities Act (ADA) and ensures that GILA students have equal access to the campus and course materials. The instructor will work with the Office of Disabilities to provide reasonable accommodations to students with disabilities.