

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.

UAF Course Number	UAF Course Title	Number of UAF Credits	Galena City School District Course Title
AVTY 100	Ground School	4 credits	Ground School

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

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 March 26, 2018
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Signature

Date

Bryan Uher

Interim Director

University of Alaska Fairbanks

Interior Alaska Campus

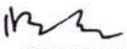
Fairbanks, Alaska

Chris Reitan

Superintendent

Galena City School District

Galena, Alaska

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 March 28, 2018
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Signature

Date

DocuSigned by:

 March 28, 2018
 Signature
 Date

March 28, 2018

Date

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

DocuSigned by:
Mary Pete March 28, 2018
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DocuSigned by:
Michele Stalder March 28, 2018
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Signature Date

Signature Date

Susan Henrichs, Provost
P.O. Box 7580
University of Alaska Fairbanks
Fairbanks, AK 99775-7580

Susan Henrichs 5/7/18
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 Dayst 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

Supplies: flight computer (E6B), course plotter, aeronautical charts, Alaska supplement, Computer stations, Microsoft Flight Simulator, ASA Prepware, FAR/AIM, and Jeppesen Private Pilot Manual.

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. (FAR61.105b10)

- 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

lessons on Microsoft Flight Simulator, receive preliminary flight instruction lessons on the Frasca 142 Flight Training Device, and practice the FAA Private Pilot Knowledge Exam using the ASA Prepware program.

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.galenaalaska.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.