



### **Aviation 35 Semester 1**

#### **Instructor Contact Info and Tutorial Times**

|            |           |                    |                                    |
|------------|-----------|--------------------|------------------------------------|
| Ms. Fisico | Room 1104 | isfisico@cbe.ab.ca | Monday and Thursdays<br>1535-1605  |
| Mr. Pye    | Room 1104 | dcpye@cbe.ab.ca    | Tuesday and Wednesday<br>0825-0855 |

#### **Course Descriptions**

Students in this course can expect two areas of instruction:

- Pilot Knowledge: Ground school and flight simulator training
- Aircraft Structural Repair Knowledge: The tools, understanding and skills used to fabricate aviation grade parts

Students in Aviation 35 can expect to learn the outcomes in the Nelson Mandela High School's Locally Developed Course and use their skills and knowledge from Aviation 15/25 for more advanced projects.

#### **Aviation 35 Structures Overview**

Simulating damage to an aircraft skin and fabricating fillers and patches to repair it

- Damage Cut Out and Repair (part 1 and part 2 worth 20% each)

Learning more complex tools and techniques, such as stretching/shrinking, to build aircraft structures

- Access Door Project (part 1 and part 2 worth 30% each)

#### **Aviation 35 Structures Assessment**

- 3 credits
- Each project is assessed for skills and competencies:
  - 80% Skills:
    - Demonstrate precision measuring and layout
    - Demonstrate shop safety
    - Demonstrate use of aviation specific hand tools
    - Demonstrate use of aviation specific power tools
    - Demonstrate aviation specific metalworking skills
  - 20% Competencies:
    - Demonstrate basic competencies (clean-up, on-task behaviour, etc.)
    - Explores post-secondary and career opportunities in aviation

#### **Aviation 35 Flight Overview**

Students will learn and be assessed on a variety of ground school (theory of flight) concepts. In addition to this, students will learn, practice, and demonstrate flight skills in the flight simulators.

#### **Aviation 35 Flight Assessment**

- 3 Credits
- 60% Knowledge
  - Aviation Laws and Procedures

- Meteorology Knowledge
  - General Aeronautical Knowledge
- 20% Skills
  - Navigation and Radio Concepts
  - Aircraft Simulator Operation
- 20% Competencies
  - Explores Careers in Aviation

## **Course Materials and Fees**

Bring to class:

- Paper
- Something to write with
- Something to hold your paper and prevent it from getting lost
- Calculator

All other materials will be provided.

There is an **\$82.50 course fee** for Aviation 35. This covers the safety glasses, sharpie pen, and all the consumable materials you will use – metal and rivets. It is preferred that you pay the fees online through a parent/guardian's Powerschool, but they can also be paid at the school business office. <https://www.cbe.ab.ca/registration/fees-and-waivers/Pages/default.aspx>

## **Shop Dress Code**

Students must follow the dress code when in the shop, if *any* people are working with tools.

- Safety glasses are required
- Closed toed shoes are required
- Hearing protection is strongly recommended
- Long hair must be tied up
- Dangling clothes/jewelry must be removed or tucked away

## **Safety**

A safety briefing will be given prior to using tools and materials in the shop. Safety infractions may result in verbal reminders, documentation, and, depending on severity and frequency, may be sent to administration.

## **Phone Policy**

Student must exercise courtesy, respect, and good judgement when using cell phones so as not to interfere with the learning educational environment.

## **Bathroom Policy**

- Students must ask permission from a teacher before leaving the room
- Students must sign in and out of the classroom when leaving
- Only one student can leave the room at a time

## **Plagiarism Policy**

When ideas, projects, or work are taken from other sources without giving credit, this is known as plagiarism. Plagiarism is the unacknowledged or unauthorized use of somebody else's words, ideas, and physical projects, including AI-generated material. We expect our students to

act with academic integrity, and to use their own knowledge to demonstrate authentic learning. Student honesty and ethical behaviour is foundational to their schoolwork and in how they handle challenges. We support students' authentic and ethical learning through teaching when and how to cite resources. Please see our D2L page for more information about plagiarism and how to cite work that is not your own.

Work that has been identified as plagiarized will not be accepted.