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  - Action Plan  
  - Status Report  

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General Information (Program Outcomes Assessment)
Standing Requirements

Mission Statement
The Professional Aviation Flight Technology curriculum is designed to prepare students for flight in the aviation industry. Students may elect flight training at our flight schools operating under contract to Indiana State University. Students who complete the major in Professional Aviation Flight Technology will graduate with a Bachelor of Science Degree and an FAA Flight Instructor Certification with an Instrument Rating and a Multi-Engine Land Class Rating.

Outcomes Library

### BS in Prof Aviation Flight Tech

#### Obj. 1: Mastery of knowledge, techniques, skills and tools

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLO 1.1: Knowledge of aircraft systems</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrates knowledge of aircraft systems</td>
<td></td>
</tr>
<tr>
<td>SLO 1.2: Knowledge of avionics equipment</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrates knowledge and use of avionics equipment</td>
<td></td>
</tr>
<tr>
<td>SLO 1.3: Knowledge of Federal Aviation Regulations</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrates knowledge of Federal Aviation Regulations</td>
<td></td>
</tr>
</tbody>
</table>

#### Obj. 2: Written and oral communication skills

An ability to communicate effectively, including both written and oral communication skills.

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLO 2.1: Exhibits good verbal communications</td>
<td>Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.</td>
</tr>
<tr>
<td>Students will exhibit good verbal communications.</td>
<td></td>
</tr>
<tr>
<td>SLO 2.2: Possesses good written communication skills</td>
<td>Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.</td>
</tr>
<tr>
<td>Students will Possess good written communication skills.</td>
<td></td>
</tr>
<tr>
<td>SLO 2.3: Formality and respect in communication</td>
<td>Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.</td>
</tr>
<tr>
<td>Students will understand the need for formality and respect in communication.</td>
<td></td>
</tr>
</tbody>
</table>

#### Program Objective #3: Multi-disciplinary and diverse team

Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLO 3.1: Communicates well in a diverse team setting</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Students will work and communicate well in a diverse team setting.</td>
<td></td>
</tr>
</tbody>
</table>
Program Outcomes Assessment
BS in Prof Aviation Flight Tech

SLO 3.2: Applies crew resource management
Students will recognize and applies crew resource management.
No Mapping

SLO 3.3: Demonstrates professionalism
Students will demonstrate professionalism.
No Mapping

Curriculum Map

Active Curriculum Maps

Professional Aviation Flight Technology (See appendix)
Alignment Set: BS in Prof Aviation Flight Tech
Created: 12/19/2011 1:46:00 pm CST
Last Modified: 11/16/2012 9:15:55 am CST

Communication of Outcomes

The learning outcomes for the Professional Aviation Flight Technology program are listed on the program’s web page.
Archive (This area is to be used for archiving pre-TaskStream assessment data and for current documents.)
2009-2010 Assessment Cycle

Assessment Plan

<table>
<thead>
<tr>
<th>Outcomes and Measures</th>
</tr>
</thead>
</table>

Program Outcomes Assessment
BS in Prof Aviation Flight Tech
## Assessment Plan

### Outcomes and Measures

### BS in Prof Aviation Flight Tech

#### Obj. 1: Mastery of knowledge, techniques, skills and tools

<table>
<thead>
<tr>
<th>SLO 1.1: Application of Crew Resource Management</th>
<th>Measure: Evaluate course and lab work</th>
<th>Details/Description: Evaluate course and lab work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Indirect - Other</td>
<td>Source of Assessment: AVT 325</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> First Assessment Fall 2010 (3 year cycle)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Responsible Individual(s):</strong> AVT Program Champion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 1.2: Knowledge of airframe and power-plant systems</th>
<th>Measure: Evaluate course and lab work</th>
<th>Details/Description: Evaluate course and lab work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will demonstrate knowledge of airframe and power-plant systems.</td>
<td>Indirect - Other</td>
<td>Source of Assessment: AVT 211 and AVT 311</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> First Assessment Spring 2011 (3 year cycle)</td>
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<td></td>
<td></td>
<td><strong>Responsible Individual(s):</strong> AVT Program Champion</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 1.3: Use of navigation and communication equipment</th>
<th>Measure: Evaluate course and lab work</th>
<th>Details/Description: Evaluate course and lab work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will demonstrate knowledge and use of navigation and communication equipment.</td>
<td>Indirect - Other</td>
<td>Source of Assessment: AVT 413</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> First Assessment Spring 2011 (3 year cycle)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Responsible Individual(s):</strong> AVT Program Champion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 1.4: Knowledge of National Airspace System</th>
<th>Measure: Evaluate course and lab work</th>
<th>Details/Description: Evaluate course and lab work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Indirect - Other</td>
<td>Source of Assessment: AVT 243</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Target:</strong></td>
</tr>
</tbody>
</table>
Implementation Plan (timeline): First Assessment Fall 2010 (3 year cycle)
Responsible Individual(s): AVT Program Champion

SLO 1.5: Knowledge of aviation weather

Measure: Evaluate course and lab work
Indirect - Other
Details/Description: Evaluate course and lab work
Source of Assessment: AVT 223
Target: Implementation Plan (timeline): First Assessment Spring 2011 (3 year cycle)
Responsible Individual(s): AVT Program Champion

SLO 1.6: Federal aviation regulations

Measure: Evaluate course and lab work
Indirect - Other
Details/Description: Evaluate course and lab work
Source of Assessment: AVT 442
Target: Implementation Plan (timeline): First Assessment Spring 2011 (3 year cycle)
Responsible Individual(s): AVT Program Champion

SLO 1.7: Required flight certificates and rating

Measure: Evaluate course and lab work
Indirect - Other
Details/Description: Evaluate course and lab work
Source of Assessment: AVT 442
Target: Implementation Plan (timeline): First Assessment Fall 2010 (3 year cycle)
Responsible Individual(s): AVT Program Champion

Program Objective #2: Written and oral communication skills
Students will communicate effectively, including both written and oral communication skills.

SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

Measure: Evaluate course and lab work
Indirect - Other
Details/Description: Evaluate course and lab work
Source of Assessment: AVT 441
Target: Implementation Plan (timeline): First Assessment Spring 2011 (3 year cycle)
Responsible Individual(s): AVT Program Champion

SLO 2.2: Possesses good written communication skills

Measure: Evaluate course and lab work
Indirect - Other
### SLO 2.3: Formality and respect in communication

#### Details/Description:
Evaluate course and lab work

Source of Assessment: AVT 430

**Target:**
**Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)

**Responsible Individual(s):** AVT Program Champion

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### Program Objective #3: Multi-disciplinary and diverse team

Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

#### SLO 3.1: Communicates well in a diverse team setting

#### Details/Description:
Evaluate course and lab work

Source of Assessment: AVT 315

**Target:**
**Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle)

**Responsible Individual(s):** AVT Program Champion

---

#### SLO 3.2: Understands and exhibits ethics

#### Details/Description:
Evaluate course and lab work

Source of Assessment: AVT 441

**Target:**
**Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle)

**Responsible Individual(s):** AVT Program Champion

---

#### SLO 3.3: Demonstrates professionalism

#### Details/Description:
Evaluate course and lab work

Source of Assessment: AVT 315

**Target:**
**Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)

**Responsible Individual(s):** AVT Program Champion
Program Objective #4: Identifying and solving problems
Students will apply pertinent knowledge in identifying and solving problems.

SLO 4.1: Effectively use problem solving methods
Students will effectively use problem solving methods.

Measure: Evaluate course and lab work
Indirect - Other

Details/Description: Evaluate course and lab work
Source of Assessment: AVT 441
Target:
Implementation Plan (timeline): First Assessment Fall 2010 (3 year cycle)
Responsible Individual(s): AVT Program Champion

SLO 4.2: Computer and aviation problem simulations
Students will demonstrate proper use of computer applications, computer technology, and aviation problem simulations.

Measure: Evaluate course and lab work
Indirect - Other

Details/Description: Evaluate course and lab work
Source of Assessment: AVT 315
Target:
Implementation Plan (timeline): First Assessment Fall 2010 (3 year cycle)
Responsible Individual(s): AVT Program Champion

SLO 4.3: Identifies solutions to problems
Students will successfully identify solutions to problems in operations and accident factors.

Measure: Evaluate course and lab work
Indirect - Other

Details/Description: Evaluate course and lab work
Source of Assessment: AVT 425
Target:
Implementation Plan (timeline): First Assessment Spring 2011 (3 year cycle)
Responsible Individual(s): AVT Program Champion

BS in Prof Aviation Flight Tech Outcome Set

Outcomes

Communicate
Student can communicate in a clear and concise manner at two specific levels, aviation specific and to the general public.

No measures specified

Aviation Resources
Student can find and use aviation resources to prepare themselves for an aviation career, enabling them to apply to and retain a position within the domestic and international aviation industry.

No measures specified
Technology
Student can demonstrate the ability to successfully use the latest technologies.

No measures specified

Resources
Student can recognize and apply aviation resource management skills.

No measures specified

International
Student can successfully relate and work within an international industry.

No measures specified

Degree Requirements
Students understand how to complete all Departmental and University requirements in order to obtain a college degree.

No measures specified

Flight Certificates and Ratings
Student successfully completes the certificates, ratings, and training objectives as required through the flight seminars.

No measures specified

FAA Exams
Student is able to demonstrate proficiency in all subject matter areas required for the successful completion of the FAA written, oral, and practical exams.

No measures specified

Piloting Skills
Student is able to operate an aircraft in accordance with all applicable Federal Aviation Regulations.

No measures specified

Math/Science/Analytical
Student can demonstrate knowledge and use of basic mathematical skills, basic scientific theory, and analytical procedures as they relate to the aviation industry.

No measures specified

Assessment Findings

Finding per Measure

BS in Prof Aviation Flight Tech

Obj. 1: Mastery of knowledge, techniques, skills and tools
| SLO 1.1: Application of Crew Resource Management | Measure: Evaluate course and lab work  
Indirect - Other |
|------------------------------------------------|---------------------------------------------------------------|
| Details/Description: Evaluate course and lab work  
Source of Assessment: AVT 325  
Target: |
| Implementation Plan (timeline): First Assessment Fall 2010 (3 year cycle)  
Responsible Individual(s): AVT Program Champion |
| Findings for Evaluate course and lab work |
| No Findings Added |

| SLO 1.2: Knowledge of airframe and power-plant systems | Measure: Evaluate course and lab work  
Indirect - Other |
|------------------------------------------------|---------------------------------------------------------------|
| Details/Description: Evaluate course and lab work  
Source of Assessment: AVT 211 and AVT 311  
Target: |
| Implementation Plan (timeline): First Assessment Spring 2011 (3 year cycle)  
Responsible Individual(s): AVT Program Champion |
| Findings for Evaluate course and lab work |
| No Findings Added |

| SLO 1.3: Use of navigation and communication equipment | Measure: Evaluate course and lab work  
Indirect - Other |
|------------------------------------------------|---------------------------------------------------------------|
| Details/Description: Evaluate course and lab work  
Source of Assessment: AVT 413  
Target: |
| Implementation Plan (timeline): First Assessment Spring 2011 (3 year cycle)  
Responsible Individual(s): AVT Program Champion |
| Findings for Evaluate course and lab work |
| No Findings Added |

| SLO 1.4: Knowledge of National Airspace System | Measure: Evaluate course and lab work  
Indirect - Other |
|------------------------------------------------|---------------------------------------------------------------|
| Details/Description: Evaluate course and lab work  
Source of Assessment: AVT 243  
Target: |
### Implementation Plan (timeline)
- **First Assessment Fall 2010 (3 year cycle)**
- **Responsible Individual(s):** AVT Program Champion

#### Findings for Evaluate course and lab work
- **No Findings Added**

### SLO 1.5: Knowledge of aviation weather

**Measure:** Evaluate course and lab work
- Indirect - Other

**Details/Description:** Evaluate course and lab work
- **Source of Assessment:** AVT 223

**Target:**
- **Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)
- **Responsible Individual(s):** AVT Program Champion

**Findings for Evaluate course and lab work**
- **No Findings Added**

### SLO 1.6: Federal aviation regulations

**Measure:** Evaluate course and lab work
- Indirect - Other

**Details/Description:** Evaluate course and lab work
- **Source of Assessment:** AVT 442

**Target:**
- **Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)
- **Responsible Individual(s):** AVT Program Champion

**Findings for Evaluate course and lab work**
- **No Findings Added**

### SLO 1.7: Required flight certificates and rating

**Measure:** Evaluate course and lab work
- Indirect - Other

**Details/Description:** Evaluate course and lab work
- **Source of Assessment:** AVT 442

**Target:**
- **Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle)
- **Responsible Individual(s):** AVT Program Champion

**Findings for Evaluate course and lab work**
- **No Findings Added**
### Program Objective #2: Written and oral communication skills
Students will communicate effectively, including both written and oral communication skills.

#### SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

**Measure:** Evaluate course and lab work
- **Indirect - Other**

**Details/Description:** Evaluate course and lab work

**Source of Assessment:** AVT 441

**Target:**
- **Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)
- **Responsible Individual(s):** AVT Program Champion

**Findings for Evaluate course and lab work**

*No Findings Added*

#### SLO 2.2: Possesses good written communication skills
Students will Possess good written communication skills.

**Measure:** Evaluate course and lab work
- **Indirect - Other**

**Details/Description:** Evaluate course and lab work

**Source of Assessment:** AVT 430

**Target:**
- **Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)
- **Responsible Individual(s):** AVT Program Champion

**Findings for Evaluate course and lab work**

*No Findings Added*

#### SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

**Measure:** Evaluate course and lab work
- **Indirect - Other**

**Details/Description:** Evaluate course and lab work

**Source of Assessment:** AVT 430

**Target:**
- **Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)
- **Responsible Individual(s):** AVT Program Champion

**Findings for Evaluate course and lab work**

*No Findings Added*

### Program Objective #3: Multi-disciplinary and diverse team
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.
| SLO 3.1: Communicates well in a diverse team setting | **Measure:** Evaluate course and lab work  
**Indirect - Other** |
|----------------------------------------------------|------------------------------------------------------------------|
| Students will work and communicate well in a diverse team setting. | **Details/Description:** Evaluate course and lab work  
Source of Assessment: AVT 315 |
| **Target:** | **Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle) |
| **Responsible Individual(s):** AVT Program Champion | **Findings** for Evaluate course and lab work  
**No Findings Added** |

| SLO 3.2: Understands and exhibits ethics | **Measure:** Evaluate course and lab work  
**Indirect - Other** |
|----------------------------------------|------------------------------------------------------------------|
| Students will understand and exhibit ethics. | **Details/Description:** Evaluate course and lab work  
Source of Assessment: AVT 441 |
| **Target:** | **Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle) |
| **Responsible Individual(s):** AVT Program Champion | **Findings** for Evaluate course and lab work  
**No Findings Added** |

| SLO 3.3: Demonstrates professionalism | **Measure:** Evaluate course and lab work  
**Indirect - Other** |
|--------------------------------------|------------------------------------------------------------------|
| Students will demonstrate professionalism. | **Details/Description:** Evaluate course and lab work  
Source of Assessment: AVT 315 |
| **Target:** | **Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle) |
| **Responsible Individual(s):** AVT Program Champion | **Findings** for Evaluate course and lab work  
**No Findings Added** |

**Program Objective #4: Identifying and solving problems**
Students will apply pertinent knowledge in identifying and solving problems.

| SLO 4.1: Effectively use problem solving methods | **Measure:** Evaluate course and lab work  
**Indirect - Other** |
<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Students will effectively use problem solving methods.</td>
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</table>
Source of Assessment: AVT 441
**Target:**
**Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle)
**Responsible Individual(s):** AVT Program Champion

<table>
<thead>
<tr>
<th>Findings for Evaluate course and lab work</th>
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</thead>
<tbody>
<tr>
<td>No Findings Added</td>
</tr>
</tbody>
</table>

**SLO 4.2: Computer and aviation problem simulations**
Students will demonstrate proper use of computer applications, computer technology, and aviation problem simulations.

**Measure:** Evaluate course and lab work
Indirect - Other

**Details/Description:** Evaluate course and lab work
Source of Assessment: AVT 315
**Target:**
**Implementation Plan (timeline):** First Assessment Fall 2010 (3 year cycle)
**Responsible Individual(s):** AVT Program Champion

<table>
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<tr>
<th>Findings for Evaluate course and lab work</th>
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</thead>
<tbody>
<tr>
<td>No Findings Added</td>
</tr>
</tbody>
</table>

**SLO 4.3: Identifies solutions to problems**
Students will successfully identify solutions to problems in operations and accident factors.

**Measure:** Evaluate course and lab work
Indirect - Other

**Details/Description:** Evaluate course and lab work
Source of Assessment: AVT 425
**Target:**
**Implementation Plan (timeline):** First Assessment Spring 2011 (3 year cycle)
**Responsible Individual(s):** AVT Program Champion

<table>
<thead>
<tr>
<th>Findings for Evaluate course and lab work</th>
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<tbody>
<tr>
<td>No Findings Added</td>
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</table>

**BS in Prof Aviation Flight Tech Outcome Set**

**Outcomes**

<table>
<thead>
<tr>
<th>Communicate</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student can communicate in a clear and concise manner at two specific levels, aviation specific and to the general public.</td>
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<table>
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<tr>
<th>Aviation Resources</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student can find and use aviation resources to prepare</td>
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</table>
themselves for an aviation career, enabling them to apply to and retain a position within the domestic and international aviation industry.

<table>
<thead>
<tr>
<th>Technology</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student can demonstrate the ability to successfully use the latest technologies.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Resources</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student can recognize and apply aviation resource management skills.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student can successfully relate and work within an international industry.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students understand how to complete all Departmental and University requirements in order to obtain a college degree.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flight Certificates and Ratings</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student successfully completes the certificates, ratings, and training objectives as required through the flight seminars.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FAA Exams</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student is able to demonstrate proficiency in all subject matter areas required for the successful completion of the FAA written, oral, and practical exams.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Piloting Skills</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student is able to operate an aircraft in accordance with all applicable Federal Aviation Regulations.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Math/Science/Analytical</th>
<th>No measures specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student can demonstrate knowledge and use of basic mathematical skills, basic scientific theory, and analytical procedures as they relate to the aviation industry.</td>
<td></td>
</tr>
</tbody>
</table>

Overall Recommendations

No text specified

Overall Reflection
No text specified
### Assessment Plan

#### Outcomes and Measures

**BS in Prof Aviation Flight Tech**

**Obj. 1: Mastery of knowledge, techniques, skills and tools**

**SLO 1.1: Knowledge of aircraft systems**
- **Demonstrates knowledge of aircraft systems**
- **Measure:** FAA written exam
  - **Direct - Exam**

  - **Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial; conduct survey of Designated Pilot Examiners
  - **Target:** 75% first-take pass rate.
  - **Implementation Plan (timeline):** Data to be gathered spring semester 2012 and reassessed every three years.
  - **Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s).

**SLO 1.2: Knowledge of avionics equipment**
- **Demonstrates knowledge and use of avionics equipment**
- **Measure:** FAA written exam
  - **Direct - Exam**

  - **Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial; conduct survey of Designated Pilot Examiners
  - **Target:** 75% first-take pass rate.
  - **Implementation Plan (timeline):** Data to be gathered spring semester 2012 and reassessed every three years.
  - **Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s).

**SLO 1.3: Knowledge of Federal Aviation Regulations**
- **Demonstrates knowledge of Federal Aviation Regulations**
- **Measure:** FAA written exam
  - **Direct - Exam**

  - **Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial; conduct survey of Designated Pilot Examiners
  - **Target:** 75% first-take pass rate.
  - **Implementation Plan (timeline):** Data to be gathered spring semester 2012 and reassessed every three years.
  - **Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s).

### Assessment Findings

**Finding per Measure**

**BS in Prof Aviation Flight Tech**
**SLO 1.1: Knowledge of aircraft systems**
Demonstrates knowledge of aircraft systems

**Measure:** FAA written exam

**Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial; conduct survey of Designated Pilot Examiners

**Target:** 75% first-take pass rate.

**Implementation Plan (timeline):** Data to be gathered spring semester 2012 and reassessed every three years.

**Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s).

**Findings for FAA written exam**

**Summary of Findings:** The average test score on the Private Pilot written was 83%. Commonly missed subjects in the Private Pilot written include:
1. Airspace classes - limits / requirements / restrictions / airspeeds / equipment (FAR)
3. Regulations - accident / incident reporting and preserving wreckage (FAR)

**Results:** Target Achievement: Met

**Recommendations:**

**Reflections/Notes:**

These Findings are associated with the following Actions:

**More written exercises**
(Action Plan; 2011-2012 Assessment Cycle)

---

**SLO 1.2: Knowledge of avionics equipment**
Demonstrates knowledge and use of avionics equipment

**Measure:** FAA written exam

**Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial; conduct survey of Designated Pilot Examiners

**Target:** 75% first-take pass rate.

**Implementation Plan (timeline):** Data to be gathered spring semester 2012 and reassessed every three years.

**Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s).

**Findings for FAA written exam**

**Summary of Findings:** The average test score on the Instrument Rating written was 74%. Commonly missed subjects in the Instrument Rating written include:
1. Interpreting information on an Instrument Approach Procedure
3. Airport operations - markings / signs / lighting (FAR)

**Results:** Target Achievement: Not Met

**Recommendations:**

**Reflections/Notes:**

These Findings are associated with the following Actions:

**More written exercises**
(Action Plan; 2011-2012 Assessment Cycle)
**SLO 1.3: Knowledge of Federal Aviation Regulations**

**Measure:** FAA written exam

**Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial; conduct survey of Designated Pilot Examiners

**Target:** 75% first-take pass rate.

**Implementation Plan (timeline):** Data to be gathered spring semester 2012 and reassessed every three years.

**Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s).

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**Findings for FAA written exam**

**Summary of Findings:** The average test score on the Commercial Pilot written was 83%. Commonly missed subjects in the Commercial Pilot written include:

2. Information on AIRMETS / SIGMETS
3. Airport operations - markings / signs / lighting (FAR)

**Results:** Target Achievement: Met

**Recommendations:**

**Reflections/Notes:**

**These Findings are associated with the following Actions:**

More written exercises

(2011-2012 Assessment Cycle)

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**Overall Recommendations**

*No text specified*

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**Overall Reflection**

*No text specified*

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**Action Plan**

**Actions**

**BS in Prof Aviation Flight Tech**

**Obj. 1: Mastery of knowledge, techniques, skills and tools**

**SLO 1.1: Knowledge of aircraft systems**

**Action:** More written exercises

(This Action is associated with the following Findings)

**Findings for FAA written exam**

(Assessment Plan and Assessment Findings; 2011-2012 Assessment Cycle)

**Summary of Findings:** The average test score on the Private Pilot written was 83%. Commonly missed subjects in the Private Pilot written include:

1. Airspace classes - limits / requirements / restrictions / airspeeds / equipment (FAR)
3. Regulations - accident / incident reporting and preserving wreckage (FAR)
**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium
2. Information on AIRMETS / SIGMETS
3. Airport operations - markings / signs / lighting (FAR)

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

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**SLO 1.4: Knowledge of National Airspace System**

**Action:** More written exercises

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

**SLO 1.5: Knowledge of aviation weather**

**Action:** More written exercises

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In
addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

SLO 1.6: Federal aviation regulations

**Action:** More written exercises

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

SLO 1.7: Required flight certificates and rating

**Action:** More written exercises

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium
Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.

SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

Action: More written exercises

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

Key/Responsible Personnel: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

Measures: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

SLO 2.2: Possesses good written communication skills
Students will Possess good written communication skills.

Action: More written exercises

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

Key/Responsible Personnel: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

Measures: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

Action: More written exercises

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings,
increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

**Program Objective #3: Multi-disciplinary and diverse team**

Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

**SLO 3.1: Communicates well in a diverse team setting**

Students will work and communicate well in a diverse team setting.

**Action:** More written exercises

**This Action is associated with the following Findings**

No supporting Findings have been linked to this Action.

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

**SLO 3.2: Applies crew resource management**

Students will Recognizes and applies crew resource management.

**Action:** More written exercises

**This Action is associated with the following Findings**

No supporting Findings have been linked to this Action.

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.
Resource Allocations: No additional human or financial resources necessary to implement the plan.
Priority: Medium

SLO 3.3: Demonstrates professionalism
Students will demonstrate professionalism.

Action: More written exercises
This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

Key/Responsible Personnel: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

Measures: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.
Priority: Medium

Program Objective #4: Identifying and solving problems
Students will apply pertinent knowledge in identifying and solving problems.

SLO 4.1: Effectively use problem solving methods
Students will effectively use problem solving methods.
No actions specified

SLO 4.2: Computer and aviation problem simulations
Students will demonstrate proper use of computer applications, computer technology, and aviation problem simulations.
No actions specified

SLO 4.3: Identifies solutions to problems
Students will successfully identify solutions to problems in operations and accident factors.
No actions specified

Status Report
Action Statuses

Program Outcomes Assessment
BS in Prof Aviation Flight Tech
BS in Prof Aviation Flight Tech

Obj. 1: Mastery of knowledge, techniques, skills and tools

<table>
<thead>
<tr>
<th>SLO 1.1: Knowledge of aircraft systems</th>
<th>Action: More written exercises</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates knowledge of aircraft systems</td>
<td>Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).</td>
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<td>Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.</td>
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<td>Resource Allocations: No additional human or financial resources necessary to implement the plan.</td>
<td></td>
</tr>
<tr>
<td>Priority: Medium</td>
<td></td>
</tr>
</tbody>
</table>

Status for More written exercises

Current Status: In Progress

Resource Allocation(s) Status:

Next Steps/Additional Information: Professional Aviation Technology Outcomes 1-3:

1. Results of assessment disseminated to Ground school instructors and the flight contractor in order to increase attention on those areas identified which require additional emphasis.
2. Special classes presented on airspace in AVT 144 and 244; additional assistance given to AVT 141 instructor in the form of graduate assistants to enable increased one-on-one instruction to students. More written exercises are being assigned in all areas.
3. Department will, starting Fall 2013, have our own flight school with a more highly controlled and monitored curriculum.
4. Above efforts will continue until 2013-2014; FAA written test results will be closely monitored as well as designated flight examiner reports in order to gauge our improvement in progress.

SLO 1.2: Knowledge of avionics equipment

<table>
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<tr>
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<td>Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).</td>
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<td>Resource Allocations: No additional human or financial resources necessary to implement the plan.</td>
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Next Steps/Additional Information: Professional Aviation Technology Outcomes 1-3:

1. Results of assessment disseminated to Ground school instructors and the flight contractor in order to increase attention on those areas identified which require additional emphasis.
2. Special classes presented on airspace in AVT 144 and 244; additional assistance given to AVT 141 instructor in the form of graduate assistants to enable increased one-on-one instruction to students. More written exercises are being assigned in all areas.
3. Department will, starting Fall 2013, have our own flight school with a more highly controlled and monitored curriculum.
4. Above efforts will continue until 2013-2014; FAA written test results will be closely monitored as well as designated flight examiner reports in order to gauge our improvement in progress.
SLO 1.3: Knowledge of Federal Aviation Regulations
Demonstrates knowledge of Federal Aviation Regulations

**Action:** More written exercises

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

**Status for More written exercises**

No Status Added

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SLO 1.4: Knowledge of National Airspace System

**Action:** More written exercises

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

**Status for More written exercises**

No Status Added
SLO 1.5: Knowledge of aviation weather

- **Action**: More written exercises
  - **Action Details**: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

  **Implementation Plan (timeline)**: Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

  **Key/Responsible Personnel**: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

  **Measures**: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

  **Resource Allocations**: No additional human or financial resources necessary to implement the plan.

  **Priority**: Medium

- **Status for More written exercises**: No Status Added

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SLO 1.6: Federal aviation regulations

- **Action**: More written exercises
  - **Action Details**: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

  **Implementation Plan (timeline)**: Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

  **Key/Responsible Personnel**: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

  **Measures**: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

  **Resource Allocations**: No additional human or financial resources necessary to implement the plan.

  **Priority**: Medium

- **Status for More written exercises**: No Status Added

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SLO 1.7: Required flight certificates and rating

- **Action**: More written exercises
  - **Action Details**: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).
**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

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### Status for More written exercises

*No Status Added*

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**Obj. 2: Written and oral communication skills**

An ability to communicate effectively, including both written and oral communication skills.

**SLO 2.1: Exhibits good verbal communications**

Students will exhibit good verbal communications.

- **Action:** More written exercises

  **Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

  **Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

  **Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

  **Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

  **Resource Allocations:** No additional human or financial resources necessary to implement the plan.

  **Priority:** Medium

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  **Status for More written exercises**

  *No Status Added*

---

**SLO 2.2: Possesses good written communication skills**

Students will Possess good written communication skills.

- **Action:** More written exercises

  **Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

  **Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.
Key/Responsible Personnel: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

Measures: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

Status for More written exercises

No Status Added

SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

Action: More written exercises

Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

Key/Responsible Personnel: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

Measures: Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

Status for More written exercises

No Status Added

Program Objective #3: Multi-disciplinary and diverse team
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

SLO 3.1: Communicates well in a diverse team setting
Students will work and communicate well in a diverse team setting.

Action: More written exercises

Action Details: More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

Implementation Plan (timeline): Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

Key/Responsible Personnel: Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.
**SLO 3.2: Applies crew resource management**

Students will recognize and apply crew resource management.

**Action:** More written exercises

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

**Status** for More written exercises

*No Status Added*

---

**SLO 3.3: Demonstrates professionalism**

Students will demonstrate professionalism.

**Action:** More written exercises

**Action Details:** More written exercises and increased instructor emphasis on aircraft performance, Federal Aviation Regulations, airspace, and aircraft systems (avionics).

**Implementation Plan (timeline):** Following dissemination of results from Spring 2012 findings, increased emphasis began Fall 2012 semester. Additional emphasis in the way of increased written exercises and flight instructor scrutiny will be implemented Spring 2013 semester.

**Key/Responsible Personnel:** Instructors of AVT 144, 244, 344, 141, 211, 311, 243, and 341. In addition, contractor Flight Instructors have been informed and are placing increased emphasis in the aforementioned areas.

**Measures:** Continue to monitor results of Federal Aviation Administration written exams, Designated Examiner surveys and results of Designated Examiner flight evaluations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

**Status** for More written exercises

*No Status Added*
### Program Objective #4: Identifying and solving problems
Students will apply pertinent knowledge in identifying and solving problems.

<table>
<thead>
<tr>
<th>SLO 4.1: Effectively use problem solving methods</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will effectively use problem solving methods.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 4.2: Computer and aviation problem simulations</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will demonstrate proper use of computer applications, computer technology, and aviation problem simulations.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 4.3: Identifies solutions to problems</th>
<th>No actions specified</th>
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</thead>
<tbody>
<tr>
<td>Students will successfully identify solutions to problems in operations and accident factors.</td>
<td></td>
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</tbody>
</table>

### Status Summary
*No text specified*

### Summary of Next Steps
*No text specified*
Assessment Plan

Outcomes and Measures

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.

SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

<table>
<thead>
<tr>
<th>Measure:</th>
<th>Presentation in AVT 403</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct -</td>
<td>Student Artifact</td>
</tr>
</tbody>
</table>

Details/Description: Students are required to prepare and give a presentation in AVT 403

Target: 75% of students pass each area within the rubric with a score of 80% or above

Implementation Plan (timeline):

Responsible Individual(s): 

SLO 2.2: Possesses good written communication skills
Students will possess good written communication skills.

<table>
<thead>
<tr>
<th>Measure:</th>
<th>Presentation in AVT 403</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct -</td>
<td>Student Artifact</td>
</tr>
</tbody>
</table>

Details/Description: Students are required to prepare and give a presentation in AVT 403

Target: 75% of students pass each area within the rubric with a score of 80% or above

Implementation Plan (timeline):

Responsible Individual(s): 

SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

<table>
<thead>
<tr>
<th>Measure:</th>
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<td>Direct -</td>
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</tbody>
</table>

Details/Description: Students are required to prepare and give a presentation in AVT 403

Target: 75% of students pass each area within the rubric with a score of 80% or above

Implementation Plan (timeline):

Responsible Individual(s):

Assessment Findings

Finding per Measure

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.
SLO 2.1: Exhibits good verbal communications

Students will exhibit good verbal communications.

**Measure**: Presentation in AVT 403
Direct - Student Artifact

**Details/Description**: Students are required to prepare and give a presentation in AVT 403. Students pass each area within the rubric with a score of 80% or above.

**Implementation Plan (timeline)**:

**Responsible Individual(s)**:

**Findings for Presentation in AVT 403**

**Summary of Findings**: In the Spring 2013 semester, there were 22 students in the class which were broken up into teams of two. The categories on the grading rubric included Verbal Communication (Outcome #1), Written Communication (Outcome #2), and Professionalism (Outcome #3).

18/22 students received an 80% or higher in the area of Verbal Communication.

**Results**: Target Achievement: Exceeded

**Recommendations**: Have advisors require COMM 101 prior to enrolling in AVT 403. Encourage aviation department faculty to include more written and verbal assignments.

**Reflections/Notes**: Results and recommendations were discussed among the aviation faculty at the COT Faculty Retreat on November 8, 2013.

These Findings are associated with the following Actions:

*Increase number of written exercises*(Action Plan; 2012-2013 Assessment Cycle)

---

SLO 2.2: Possesses good written communication skills

Students will Possess good written communication skills.

**Measure**: Presentation in AVT 403
Direct - Student Artifact

**Details/Description**: Students are required to prepare and give a presentation in AVT 403. Students pass each area within the rubric with a score of 80% or above.

**Implementation Plan (timeline)**:

**Responsible Individual(s)**:

**Findings for Presentation in AVT 403**

**Summary of Findings**: Students were required to prepare and give a presentation in AVT 403. In the Spring 2013 semester, there were 22 students in the class which were broken up into teams of two. The categories on the grading rubric included Verbal Communication (Outcome #1), Written Communication (Outcome #2), and Professionalism (Outcome #3).

22/22 students received an 80% or higher in the area of Written Communication.

**Results**: Target Achievement: Exceeded

**Recommendations**: Have advisors require COMM 101 prior to enrolling in AVT 403. Encourage aviation department faculty to include more written and verbal assignments.

**Reflections/Notes**: Results and recommendations were discussed among the aviation faculty at the COT Faculty Retreat on November 8, 2013.

These Findings are associated with the following Actions:

*Increase number of written exercises*(Action Plan; 2012-2013 Assessment Cycle)
**SLO 2.3: Formality and respect in communication**

Students will understand the need for formality and respect in communication.

**Measure:** Presentation in AVT 403  
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):**

<table>
<thead>
<tr>
<th>Responsible Individual(s):</th>
</tr>
</thead>
</table>

**Findings for Presentation in AVT 403**

**Summary of Findings:** Students were required to prepare and give a presentation in AVT 403. In the Spring 2013 semester, there were 22 students in the class which were broken up into teams of two. The categories on the grading rubric included Verbal Communication (Outcome #1), Written Communication (Outcome #2), and Professionalism (Outcome #3).

22/22 students received an 80% or higher in the area of Professionalism.

**Results:** Target Achievement: Exceeded

**Recommendations:** Have advisors require COMM 101 prior to enrolling in AVT 403. Encourage aviation department faculty to include more written and verbal assignments.

**Reflections/Notes:** Results and recommendations were discussed among the aviation faculty at the COT Faculty Retreat on November 8, 2013.

**These Findings are associated with the following Actions:**

- **Increase number of written exercises**  
  (Action Plan; 2012-2013 Assessment Cycle)

---

**Overall Recommendations**

*No text specified*

**Overall Reflection**

*No text specified*

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**Action Plan**

**Actions**

**BS in Prof Aviation Flight Tech**

**Obj. 2: Written and oral communication skills**

An ability to communicate effectively, including both written and oral communication skills.

**SLO 2.1: Exhibits good verbal communications**

Students will exhibit good verbal communications.

**Action:** Increase number of written exercises

**This Action is associated with the following Findings**

**Findings for Presentation in AVT 403**  
(Assessment Plan and Assessment Findings; 2012-2013 Assessment Cycle)

**Summary of Findings:** In the Spring 2013 semester, there were 22 students in the class which were broken up into teams of two. The categories on the grading rubric included Verbal Communication (Outcome #1), Written Communication (Outcome #2), and Professionalism (Outcome #3).
18/22 students received an 80% or higher in the area of Verbal Communication.

**Action Details:** Have aviation department faculty incorporate more written exercises in their classes. Furthermore, advisors should require students to take COMM 101 prior to enrolling in AVT 403. Lastly, encourage students to become a part of Toastmasters to improve verbal communication.

**Implementation Plan (timeline):** This will be implemented Spring 2014 semester.

**Key/Responsible Personnel:** Instructors of AVT 141, 307, 317, 325, 403, 405, 425, and 430.

**Measures:** Continue to monitor the results of student presentations.

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

### SLO 2.2: Possesses good written communication skills

Students will Possess good written communication skills.

**Action:** Increase number of written exercises

**This Action is associated with the following Findings**

**Findings for Presentation in AVT 403**
(Assessment Plan and Assessment Findings; 2012-2013 Assessment Cycle)

**Summary of Findings:** Students were required to prepare and give a presentation in AVT 403. In the Spring 2013 semester, there were 22 students in the class which were broken up into teams of two. The categories on the grading rubric included Verbal Communication (Outcome #1), Written Communication (Outcome #2), and Professionalism (Outcome #3).

22/22 students received an 80% or higher in the area of Written Communication.

**Action Details:** Have aviation department faculty incorporate more written exercises in their classes. Furthermore, advisors should require students to take COMM 101 prior to enrolling in AVT 403. Lastly, encourage students to become a part of Toastmasters to improve verbal communication.

**Implementation Plan (timeline):** This will be implemented Spring 2014 semester.

**Key/Responsible Personnel:** Instructors of AVT 141, 307, 317, 325, 403, 405, 425, and 430.

**Measures:** Continue to monitor the results of student presentations

**Resource Allocations:** No additional human or financial resources necessary to implement the plan.

**Priority:** Medium

---

### SLO 2.3: Formality and respect in communication

Students will understand the need for formality and respect in communication.

**Action:** Increase number of written exercises

**This Action is associated with the following Findings**

**Findings for Presentation in AVT 403**
(Assessment Plan and Assessment Findings; 2012-2013 Assessment Cycle)

**Summary of Findings:** Students were required to prepare and give a presentation in AVT 403. In the Spring 2013 semester, there were 22 students in the class which were broken up into teams of two. The categories on the grading rubric included Verbal Communication (Outcome #1), Written Communication (Outcome #2), and Professionalism (Outcome #3).

22/22 students received an 80% or higher in the area of Professionalism.
Action Details: Have aviation department faculty incorporate more written exercises in their classes. Furthermore, advisors should require students to take COMM 101 prior to enrolling in AVT 403. Lastly, encourage students to become a part of Toastmasters to improve verbal communication.

Implementation Plan (timeline): This will be implemented Spring 2014 semester.


Measures: Continue to monitor the results of student presentations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

Status Report

Action Statuses

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.

SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

Action: Increase number of written exercises

Action Details: Have aviation department faculty incorporate more written exercises in their classes. Furthermore, advisors should require students to take COMM 101 prior to enrolling in AVT 403. Lastly, encourage students to become a part of Toastmasters to improve verbal communication.

Implementation Plan (timeline): This will be implemented Spring 2014 semester.


Measures: Continue to monitor the results of student presentations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

Status for Increase number of written exercises

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information: Continuing to advise taking COMM 101 before AVT 403.
SLO 2.3: Formality and respect in communication

Students will understand the need for formality and respect in communication.

Action: Increase number of written exercises

Action Details: Have aviation department faculty incorporate more written exercises in their classes. Furthermore, advisors should require students to take COMM 101 prior to enrolling in AVT 403. Lastly, encourage students to become a part of Toastmasters to improve verbal communication.

Implementation Plan (timeline): This will be implemented Spring 2014 semester.


Measures: Continue to monitor the results of student presentations.

Resource Allocations: No additional human or financial resources necessary to implement the plan.

Priority: Medium

Status for Increase number of written exercises:

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information: Continuing to advise taking COMM 101 before AVT 403.
Continuing to advise taking COMM 101 before AVT 403.
Assessment Plan

Outcomes and Measures

BS in Prof Aviation Flight Tech

Program Objective #3: Multi-disciplinary and diverse team
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

SLO 3.1: Communicates well in a diverse team setting
Students will work and communicate well in a diverse team setting.

- **Measure**: Presentation in AVT 325
  - Direct - Student Artifact

  **Details/Description**: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

  **Target**: 75% of students pass each area within the rubric with a score of 80% or above

  **Implementation Plan (timeline)**: 
  **Responsible Individual(s)**:

SLO 3.2: Applies crew resource management
Students will recognize and apply crew resource management.

- **Measure**: Presentation in AVT 325
  - Direct - Student Artifact

  **Details/Description**: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

  **Target**: 75% of students pass each area within the rubric with a score of 80% or above

  **Implementation Plan (timeline)**: 
  **Responsible Individual(s)**:

SLO 3.3: Demonstrates professionalism
Students will demonstrate professionalism.

- **Measure**: Presentation in AVT 325
  - Direct - Student Artifact

  **Details/Description**: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

  **Target**: 75% of students pass each area within the rubric with a score of 80% or above

  **Implementation Plan (timeline)**: 
  **Responsible Individual(s)**:

Assessment Findings

Finding per Measure

BS in Prof Aviation Flight Tech
Program Objective #3: Multi-disciplinary and diverse team
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

SLO 3.1: Communicates well in a diverse team setting
Students will work and communicate well in a diverse team setting.

Measure: Presentation in AVT 325
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline):
Responsible Individual(s):

Findings for Presentation in AVT 325

Summary of Findings: In the Spring 2014 semester, there were 31 students in the class which were broken up into teams of two or three. 31/31 students received an 80% or higher in the area of Team Setting. 31/31 students received an 80% or higher in the area of Ethical Responsibility. 31/31 students received an 80% or higher in the area of Professionalism
Results: Target Achievement: Exceeded
Recommendations: Encourage aviation department faculty to continue using group projects.
Reflections/Notes: Results and recommendations were discussed among the aviation faculty at a meeting on November 10, 2014.

These Findings are associated with the following Actions:
No action necessary
(Join Action Plan; 2013-2014 Assessment Cycle)

SLO 3.2: Applies crew resource management
Students will Recognize and applies crew resource management.

Measure: Presentation in AVT 325
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline):
Responsible Individual(s):

Findings for Presentation in AVT 325

Summary of Findings: In the Spring 2014 semester, there were 31 students in the class which were broken up into teams of two or three. 31/31 students received an 80% or higher in the area of Team Setting. 31/31 students received an 80% or higher in the area of Ethical Responsibility. 31/31 students received an 80% or higher in the area of Professionalism
Results: Target Achievement: Exceeded
Recommendations: Encourage aviation department faculty to continue using group projects.
Reflections/Notes: Results and recommendations were discussed among the aviation faculty at a meeting on November 10, 2014.
SLO 3.3: Demonstrates professionalism

Students will demonstrate professionalism.

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):**
- **Responsible Individual(s):**

**Findings for Presentation in AVT 325**

**Summary of Findings:** In the Spring 2014 semester, there were 31 students in the class which were broken up into teams of two or three.
31/31 students received an 80% or higher in the area of Team Setting.
31/31 students received an 80% or higher in the area of Ethical Responsibility.
31/31 students received an 80% or higher in the area of Professionalism

**Results:** Target Achievement: Exceeded

**Recommendations:** Encourage aviation department faculty to continue using group projects.

**Reflections/Notes:** Results and recommendations were discussed among the aviation faculty at a meeting on November 10, 2014.

<table>
<thead>
<tr>
<th>Overall Recommendations</th>
<th>No text specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Reflection</td>
<td>No text specified</td>
</tr>
</tbody>
</table>

**Action Plan**

**Actions**

**BS in Prof Aviation Flight Tech**

**Program Objective #3: Multi-disciplinary and diverse team**
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

**SLO 3.1: Communicates well in a diverse team setting**

Students will work and communicate well in a diverse team setting.

**Action:** No action necessary

**This Action is associated with the following Findings**

**Findings for Presentation in AVT 325**
(Assessment Plan and Assessment Findings; 2013-2014 Assessment Cycle)

**Summary of Findings:** In the Spring 2014 semester, there were 31 students in the class which were broken up into teams of two or three.
31/31 students received an 80% or higher in the area of Team Setting.
31/31 students received an 80% or higher in the area of Ethical Responsibility.
31/31 students received an 80% or higher in the area of Professionalism

**Action Details:** NOTE: This action relates to outcomes 3.1, 3.2, & 3.3.
The target was met. No action necessary.

**Implementation Plan (timeline):**

**Key/ Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

### Status Report

#### Action Statuses

**BS in Prof Aviation Flight Tech**

**Program Objective #3: Multi-disciplinary and diverse team**

Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

<table>
<thead>
<tr>
<th>SLO 3.1: Communicates well in a diverse team setting</th>
<th>Action: No action necessary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will work and communicate well in a diverse team setting.</td>
<td>Action Details: NOTE: This action relates to outcomes 3.1, 3.2, &amp; 3.3. The target was met. No action necessary.</td>
</tr>
</tbody>
</table>

**Implementation Plan (timeline):**

**Key/ Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status** for No action necessary

**Current Status:** Completed

**Resource Allocation(s) Status:** No action necessary.

**Next Steps/Additional Information:**

---

**Status Summary**

*No text specified*

**Summary of Next Steps**

*No text specified*
### Assessment Plan

#### Outcomes and Measures

**BS in Prof Aviation Flight Tech**

**Obj. 1: Mastery of knowledge, techniques, skills and tools**

<table>
<thead>
<tr>
<th>SLO 1.1: Knowledge of aircraft systems</th>
<th>Measure: FAA written exam Direct - Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates knowledge of aircraft systems</td>
<td>Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial. Target: 75% first-take pass rate Implementation Plan (timeline): Data to be gathered spring semester 2015 and reassessed every three years Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 1.2: Knowledge of avionics equipment</th>
<th>Measure: FAA written exam Direct - Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates knowledge and use of avionics equipment</td>
<td>Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial. Target: 75% first-take pass rate Implementation Plan (timeline): Data to be gathered spring semester 2015 and reassessed every three years Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 1.3: Knowledge of Federal Aviation Regulations</th>
<th>Measure: FAA written exam Direct - Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates knowledge of Federal Aviation Regulations</td>
<td>Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial. Target: 75% first-take pass rate Implementation Plan (timeline): Data to be gathered spring semester 2015 and reassessed every three years Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)</td>
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</table>

#### Assessment Findings

**Finding per Measure**

**BS in Prof Aviation Flight Tech**
**Obj. 1: Mastery of knowledge, techniques, skills and tools**

### SLO 1.1: Knowledge of aircraft systems

Demonstrates knowledge of aircraft systems

- **Measure:** FAA written exam
  - Direct - Exam

  - **Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.
  - **Target:** 75% first-take pass rate
  - **Implementation Plan (timeline):** Data to be gathered spring semester 2015 and reassessed every three years
  - **Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s)

**Findings for FAA written exam**

- **Summary of Findings:** The average test score on the Private Pilot written was 82.5%. The average test score on the Instrument Rating written was 77%. The average test score on the Commercial Pilot written was 81.9%.
- **Results:** Target Achievement: Met
- **Recommendations:** Continue to monitor students in AVT 211 (Reciprocating Aircraft Systems) and AVT 311 (Turbine Systems). Emphasis should be placed on calculating aircraft performance.
- **Reflections/Notes:** Data collected from 4 Private exams, 19 Instrument exams, and 8 Commercial exams. Results and recommendations were discussed among the faculty at the AVT Faculty Retreat on September 17, 2015.

### SLO 1.2: Knowledge of avionics equipment

Demonstrates knowledge and use of avionics equipment

- **Measure:** FAA written exam
  - Direct - Exam

  - **Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.
  - **Target:** 75% first-take pass rate
  - **Implementation Plan (timeline):** Data to be gathered spring semester 2015 and reassessed every three years
  - **Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s)

**Findings for FAA written exam**

- **Summary of Findings:** The average test score on the Private Pilot written was 82.5%. The average test score on the Instrument Rating written was 77%. The average test score on the Commercial Pilot written was 81.9%.
- **Results:** Target Achievement: Met
- **Recommendations:** Continue to monitor students in AVT 317/319 (Technically Advanced Aircraft). Emphasis should be placed on the Garmin G1000.
- **Reflections/Notes:** Data collected from 4 Private exams, 19 Instrument exams, and 8 Commercial exams. Results and recommendations were discussed among the faculty at the AVT Faculty Retreat on September 17, 2015.

### SLO 1.3: Knowledge of Federal Aviation Regulations

Demonstrates knowledge

- **Measure:** FAA written exam
  - Direct - Exam

  - **Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.
  - **Target:** 75% first-take pass rate
  - **Implementation Plan (timeline):** Data to be gathered spring semester 2015 and reassessed every three years
  - **Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s)

**Findings for FAA written exam**

- **Summary of Findings:** The average test score on the Private Pilot written was 82.5%. The average test score on the Instrument Rating written was 77%. The average test score on the Commercial Pilot written was 81.9%.
- **Results:** Target Achievement: Met
- **Recommendations:** Continue to monitor students in AVT 317/319 (Technically Advanced Aircraft). Emphasis should be placed on the Garmin G1000.
- **Reflections/Notes:** Data collected from 4 Private exams, 19 Instrument exams, and 8 Commercial exams. Results and recommendations were discussed among the faculty at the AVT Faculty Retreat on September 17, 2015.
Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.

Target: 75% first-take pass rate

Implementation Plan (timeline): Data to be gathered spring semester 2015 and reassessed every three years

Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)

Findings for FAA written exam

Summary of Findings: The average test score on the Private Pilot written was 82.5%. The average test score on the Instrument Rating written was 77%. The average test score on the Commercial Pilot written was 81.9%.

Results: Target Achievement: Met

Recommendations: Continue to monitor students in AVT 141 (Private Pilot Theory), AVT 243 (Instrument Theory), and AVT 341 (Commercial Pilot Theory). Emphasis should be placed on airspace, airport operations, and regulations.

Reflections/Notes: Data collected from 4 Private exams, 19 Instrument exams, and 8 Commercial exams. Results and recommendations were discussed among the faculty at the AVT Faculty Retreat on September 17, 2015.

Overall Recommendations

No text specified

Overall Reflection

No text specified

Action Plan

Status Report
2015-2016 Assessment Cycle

Assessment Plan

Outcomes and Measures

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.

SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

Measure: Presentation in AVT 403
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 403
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline): 3 year cycle
Responsible Individual(s): AVT 403 Instructor

SLO 2.2: Possesses good written communication skills
Students will Possess good written communication skills.

Measure: Presentation in AVT 403
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 403
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline): 3 year cycle
Responsible Individual(s): AVT 403 Instructor

SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

Measure: Presentation in AVT 403
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 403
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline): 3 year cycle
Responsible Individual(s): AVT 403 Instructor

Assessment Findings

Finding per Measure

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.
SLO 2.1: Exhibits good verbal communications

Students will exhibit good verbal communications.

**Measure:** Presentation in AVT 403
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403
**Target:** 75% of students pass each area within the rubric with a score of 80% or above
**Implementation Plan (timeline):** 3 year cycle
**Responsible Individual(s):** AVT 403 Instructor

**Findings** for Presentation in AVT 403

No Findings Added

SLO 2.2: Possesses good written communication skills

Students will possess good written communication skills.

**Measure:** Presentation in AVT 403
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403
**Target:** 75% of students pass each area within the rubric with a score of 80% or above
**Implementation Plan (timeline):** 3 year cycle
**Responsible Individual(s):** AVT 403 Instructor

**Findings** for Presentation in AVT 403

No Findings Added

SLO 2.3: Formality and respect in communication

Students will understand the need for formality and respect in communication.

**Measure:** Presentation in AVT 403
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403
**Target:** 75% of students pass each area within the rubric with a score of 80% or above
**Implementation Plan (timeline):** 3 year cycle
**Responsible Individual(s):** AVT 403 Instructor

**Findings** for Presentation in AVT 403

No Findings Added

Overall Recommendations

No text specified

Overall Reflection

No text specified

Action Plan
2016-2017 Assessment Cycle

Assessment Plan

Outcomes and Measures

BS in Prof Aviation Flight Tech

Program Objective #3: Multi-disciplinary and diverse team
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

SLO 3.1: Communications well in a diverse team setting
Students will communicate well in a diverse team setting.

Measure: Presentation in AVT 325
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

Target: 75% of students pass each area within the rubric with a score of 80% or above

Implementation Plan (timeline): 3 year cycle

Responsible Individual(s): AVT 325 Instructor

SLO 3.2: Applies crew resource management
Students will recognize and apply crew resource management.

Measure: Presentation in AVT 325
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

Target: 75% of students pass each area within the rubric with a score of 80% or above

Implementation Plan (timeline): 3 year cycle

Responsible Individual(s): AVT 325 Instructor

SLO 3.3: Demonstrates professionalism
Students will demonstrate professionalism.

Measure: Presentation in AVT 325
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

Target: 75% of students pass each area within the rubric with a score of 80% or above

Implementation Plan (timeline): 3 year cycle

Responsible Individual(s): AVT 325 Instructor

Assessment Findings

Finding per Measure

BS in Prof Aviation Flight Tech
**Program Objective #3: Multi-disciplinary and diverse team**
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

**SLO 3.1: Communicates well in a diverse team setting**
- **Measure**: Presentation in AVT 325
  - **Direct - Student Artifact**
  - **Details/Description**: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).
  - **Target**: 75% of students pass each area within the rubric with a score of 80% or above
  - **Implementation Plan (timeline)**: 3 year cycle
  - **Responsible Individual(s)**: AVT 325 Instructor

  **Findings** for Presentation in AVT 325
  
  No Findings Added

**SLO 3.2: Applies crew resource management**
- **Measure**: Presentation in AVT 325
  - **Direct - Student Artifact**
  - **Details/Description**: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).
  - **Target**: 75% of students pass each area within the rubric with a score of 80% or above
  - **Implementation Plan (timeline)**: 3 year cycle
  - **Responsible Individual(s)**: AVT 325 Instructor

  **Findings** for Presentation in AVT 325
  
  No Findings Added

**SLO 3.3: Demonstrates professionalism**
- **Measure**: Presentation in AVT 325
  - **Direct - Student Artifact**
  - **Details/Description**: Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).
  - **Target**: 75% of students pass each area within the rubric with a score of 80% or above
  - **Implementation Plan (timeline)**: 3 year cycle
  - **Responsible Individual(s)**: AVT 325 Instructor

  **Findings** for Presentation in AVT 325
  
  No Findings Added

**Overall Recommendations**

No text specified
## Overall Reflection

*No text specified*
## Assessment Plan

### Outcomes and Measures

### BS in Prof Aviation Flight Tech

#### Obj. 1: Mastery of knowledge, techniques, skills and tools

<table>
<thead>
<tr>
<th>SLO 1.1: Knowledge of aircraft systems</th>
<th>Measure: FAA written exam Direct - Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates knowledge of aircraft systems</td>
<td>Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial. Target: 75% first-take pass rate Implementation Plan (timeline): Reassessed every three years Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)</td>
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<table>
<thead>
<tr>
<th>SLO 1.2: Knowledge of avionics equipment</th>
<th>Measure: FAA written exam Direct - Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates knowledge and use of avionics equipment</td>
<td>Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial. Target: 75% first-take pass rate Implementation Plan (timeline): Reassessed every three years Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SLO 1.3: Knowledge of Federal Aviation Regulations</th>
<th>Measure: FAA written exam Direct - Exam</th>
</tr>
</thead>
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<tr>
<td>Demonstrates knowledge of Federal Aviation Regulations</td>
<td>Details/Description: Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial. Target: 75% first-take pass rate Implementation Plan (timeline): Reassessed every three years Responsible Individual(s): Seminar (AVT 144, 244, 344) Instructor(s)</td>
</tr>
</tbody>
</table>

## Assessment Findings

### Finding per Measure

### BS in Prof Aviation Flight Tech

#### Obj. 1: Mastery of knowledge, techniques, skills and tools
**SLO 1.1: Knowledge of aircraft systems**

Demonstrates knowledge of aircraft systems

**Measure:** FAA written exam

**Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.

**Target:** 75% first-take pass rate

**Implementation Plan (timeline):** Reassessed every three years

**Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s)

**Findings** for FAA written exam

*No Findings Added*

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**SLO 1.2: Knowledge of avionics equipment**

Demonstrates knowledge and use of avionics equipment

**Measure:** FAA written exam

**Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.

**Target:** 75% first-take pass rate

**Implementation Plan (timeline):** Reassessed every three years

**Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s)

**Findings** for FAA written exam

*No Findings Added*

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**SLO 1.3: Knowledge of Federal Aviation Regulations**

Demonstrates knowledge of Federal Aviation Regulations

**Measure:** FAA written exam

**Details/Description:** Take Federal Aviation Administration (FAA) written exam for private, instrument, or commercial.

**Target:** 75% first-take pass rate

**Implementation Plan (timeline):** Reassessed every three years

**Responsible Individual(s):** Seminar (AVT 144, 244, 344) Instructor(s)

**Findings** for FAA written exam

*No Findings Added*

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**Overall Recommendations**

*No text specified*

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**Overall Reflection**

*No text specified*
2018-2019 Assessment Cycle

Assessment Plan

Outcomes and Measures

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.

SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

Measure: Presentation in AVT 403
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 403
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline): 3 year cycle
Responsible Individual(s): AVT 403 Instructor

SLO 2.2: Possesses good written communication skills
Students will Possess good written communication skills.

Measure: Presentation in AVT 403
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 403
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline): 3 year cycle
Responsible Individual(s): AVT 403 Instructor

SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

Measure: Presentation in AVT 403
Direct - Student Artifact

Details/Description: Students are required to prepare and give a presentation in AVT 403
Target: 75% of students pass each area within the rubric with a score of 80% or above
Implementation Plan (timeline): 3 year cycle
Responsible Individual(s): AVT 403 Instructor

Assessment Findings

Finding per Measure

BS in Prof Aviation Flight Tech

Obj. 2: Written and oral communication skills
An ability to communicate effectively, including both written and oral communication skills.
SLO 2.1: Exhibits good verbal communications
Students will exhibit good verbal communications.

**Measure:** Presentation in AVT 403
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403
**Target:** 75% of students pass each area within the rubric with a score of 80% or above
**Implementation Plan (timeline):** 3 year cycle
**Responsible Individual(s):** AVT 403 Instructor

**Findings** for Presentation in AVT 403
No Findings Added

SLO 2.2: Possesses good written communication skills
Students will Possess good written communication skills.

**Measure:** Presentation in AVT 403
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403
**Target:** 75% of students pass each area within the rubric with a score of 80% or above
**Implementation Plan (timeline):** 3 year cycle
**Responsible Individual(s):** AVT 403 Instructor

**Findings** for Presentation in AVT 403
No Findings Added

SLO 2.3: Formality and respect in communication
Students will understand the need for formality and respect in communication.

**Measure:** Presentation in AVT 403
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 403
**Target:** 75% of students pass each area within the rubric with a score of 80% or above
**Implementation Plan (timeline):** 3 year cycle
**Responsible Individual(s):** AVT 403 Instructor

**Findings** for Presentation in AVT 403
No Findings Added

**Overall Recommendations**
No text specified

**Overall Reflection**
No text specified
## Assessment Plan

### Outcomes and Measures

<table>
<thead>
<tr>
<th>Program Objective #3: Multi-disciplinary and diverse team</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.</td>
</tr>
</tbody>
</table>

### SLO 3.1: Communicates well in a diverse team setting

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):** 3 year cycle

**Responsible Individual(s):** AVT 325 Instructor

### SLO 3.2: Applies crew resource management

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):** 3 year cycle

**Responsible Individual(s):** AVT 325 Instructor

### SLO 3.3: Demonstrates professionalism

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):** 3 year cycle

**Responsible Individual(s):** AVT 325 Instructor

## Assessment Findings

### Finding per Measure

<table>
<thead>
<tr>
<th>BS in Prof Aviation Flight Tech</th>
</tr>
</thead>
</table>

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**Program Objective #3: Multi-disciplinary and diverse team**
Students will function on a multi-disciplinary and diverse team by demonstrating professional and ethical behaviors.

**SLO 3.1: Communicates well in a diverse team setting**
Students will work and communicate well in a diverse team setting.

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):** 3 year cycle

**Responsible Individual(s):** AVT 325 Instructor

**Findings for Presentation in AVT 325**
No Findings Added

**SLO 3.2: Applies crew resource management**
Students will recognize and applies crew resource management.

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):** 3 year cycle

**Responsible Individual(s):** AVT 325 Instructor

**Findings for Presentation in AVT 325**
No Findings Added

**SLO 3.3: Demonstrates professionalism**
Students will demonstrate professionalism.

**Measure:** Presentation in AVT 325
Direct - Student Artifact

**Details/Description:** Students are required to prepare and give a presentation in AVT 325 in teams of two or three. The categories on the grading rubric included a Team Setting (Outcome #1), Ethical Responsibility (Outcome #2), and Professionalism (Outcome #3).

**Target:** 75% of students pass each area within the rubric with a score of 80% or above

**Implementation Plan (timeline):** 3 year cycle

**Responsible Individual(s):** AVT 325 Instructor

**Findings for Presentation in AVT 325**
No Findings Added

**Overall Recommendations**
No text specified
Overall Reflection

No text specified
Appendix

A. Professional Aviation Flight Technology (Curriculum Map)