**Sinclair Community College**

**Program/Department Annual Update**

**2009-10**

**Program :** AVIATION TECHNOLOGY (AVT)

**Chairperson:** Kent Wingate

**Dean:** Dr. George Sehi

**Date:** 12/31/09

**Program outcome(s) for which data were collected during 08-09:**

**(**Note: Outcome(s) listed on Program Outcomes Assessment Plan document located at Provost website: http://www.sinclair.edu/administrative/vpi/pdreview/index.cfm)

Critical Thinking / Problem Solving

**Program outcome(s) for which data are being collected this year (09-10):**

**(**Note: Outcome(s) listed on Program Outcomes Assessment Plan document located at Provost website: http://www.sinclair.edu/administrative/vpi/pdreview/index.cfm)

Oral Communication

**Directions and Examples:**

This annual update has been designed so that a one-page program review update is provided by each department on an annual basis, in conjunction with the Departmental Program Review process.

The program outcome(s) were identified by department chairs as being those under study each year. Please note the following schedule:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Program Outcomes** | **06-07** | **07-08** | **08-09** | **09-10** | **10-11** |
| **PO #1**  **Computer Literacy** | **data are *collected***  **AVT 105**  **AVT 240**  **AVT 251** | **data are *analyzed***  **AVT 105**  **AVT 240**  **AVT 251** | **Document *improvements***  **AVT 105**  **AVT 240**  **AVT 251** |  |  |
| **PO #2**  **Critical Thinking/ Problem Solving** |  | \*No longer exists  \*\*Open lab | **data are *collected***  **AVT 110**  **~~AVT 120~~ \***  **~~AVT 251~~ \*\*** | **data are *analyzed***  **AVT 110**  **~~AVT 120~~**  **~~AVT 251~~** | **Document *improvements***  **AVT 110**  **~~AVT 120~~**  **~~AVT 251~~** |
| **PO #3**  **Information Literacy** | **data are *collected***  **AVT 105**  **AVT 240**  **AVT 242** | **data are *analyzed***  **AVT 105**  **AVT 240**  **AVT 242** | **Document *improvements***  **AVT 105**  **AVT 240**  **AVT 242** |  |  |
| **PO #4**  **Oral Communication** |  |  |  | **data are *collected***  **AVT 105**  **AVT 240**  **AVT 242**  **AVT 205** | **data are *analyzed***  **AVT 105**  **AVT 240**  **AVT 242**  **AVT 205** |
| **PO #5**  **Values, Citizenship, Literacy** |  |  |  |  | **data are *collected***  **AVT 105**  **AVT 240**  **AVT 242**  **AVT 205** |
| **PO #6**  **Written Communication** |  | **data are *collected***  **AVT 105**  **AVT 240**  **AVT 242**  **AVT 205** | **data are *analyzed***  **AVT 105**  **AVT 240**  **AVT 242**  **AVT 205** | **Document *improvements***  **AVT 105**  **AVT 240**  **AVT 242**  **AVT 205** |  |

**Please e-mail this completed form to** [**angie.didier@sinclair.edu**](mailto:angie.didier@sinclair.edu) **by December 31, 2009. Thank you.**

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| **Please list noteworthy changes in the data set from last year:**  AVT 110 is our Private Pilot Ground School. The primary focus of this course, in addition to the basic information content, is precisely Critical Thinking & Problem Solving. The principal outcome of this course is to successfully pass the proctored, on-line, FAA written exam. While students are gaining basic aviation knowledge in AVT 110, they must transfer that knowledge to flying the actual aircraft in AVT 124. They must also apply that knowledge to the FAA knowledge exam. In addition, they are now examined by the chief flight instructor in three, newly- implemented, stage checks before their final check by the FAA examiner.  **Please list the actions and/or improvement priorities underway from the most recent program review recommendations:**  We are in a constant state of updating learning outcomes for each program through CMT. Faculty and staff have attended workshops sponsored by the Center for Teaching and learning to better understand how to document program outcomes. We have established stage checks in the curricula to align the classroom instruction with flight instruction. Our flight training provider has applied to the FAA for Part 141 certification, which means the flight training will be conducted with continuous assessment by the chief flight instructor to insure students’ progressive mastery of key concepts and skills.  **Program outcome(s)--data collected for 07-08**  **What actions/improvements are underway as a result of your data analysis?**  In the course of evaluating students’ written assignments in AVT 105, 240, 242, and 205, faculty recognized the desperate need for improvement in written communication skills. Faculty will require students to receive feedback from the Writing Center.  **Program outcome(s)--data collected for 08-09**  **How have you analyzed the data collected? What did you find? Describe the results obtained.**  After Delta Connection Academy (an FAA Part 141 certificated flight school) terminated their contract with SCC, we recognized we needed the same structure in our ground school training and flight training curricula in our new flight academy. We implemented a series of stage checks in both ground school and flight lab to align the ground and flight training curricula. We saw students were progressing at a different pace between their ground training and their flight training, often finding themselves disassociated. We are beginning to see more consistent knowledge retention and confident skills from classroom to cockpit.  **Program outcome(s)—data collected for 09-10**  **For the outcome(s) currently under study (for 09-10 outcomes), what evidence and process do you plan to use to determine the extent to which this/these program outcome(s) have been met?**  These classes all require oral presentations of different types of material, whether a simple report, a personal assessment, a mock interview, or a mock board-room presentation. In addition, classroom participation and interaction are required. In some cases, presenters are evaluated not only by their instructor, but by their classmates as well. We will continue to stress the importance of students’ ability to listen carefully and to communicate logically, clearly, and confidently.  Note: Next year, you will be asked to describe the analysis (09-10 outcomes), and actions/improvements underway (08-09 outcomes).  **General Education**  **Describe any general education changes/improvements in your program/department during this past academic year (08-09).**  Increased emphasis on communication, not just reading and writing, but also listening and speaking. Generally, incoming students are poorly schooled in listening and oral presentation skills. |