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BY:

Cover Sheet for Assessment Plans

Directions: Please complete a separate cover sheet for each degree program (e.g., Associates – Doctorate). Feel free to make copies of this sheet if needed. Those graduate programs with an integrated master's and doctoral program may submit one cover sheet. The department head and respective dean are to sign before the plans are submitted to the Provost.

Department / Unit: Aviation

Title and Level of Academic Program (e.g., Chemistry, Ph.D.): Professional Pilot, B.S.

When submitting an Assessment Plan, please check and indicate when the faculty endorsed the plan.



Faculty have met, reviewed, and endorsed the Assessment Plans being submitted for this degree program.

Date of Endorsement:

10/14/04

Marlon J. [Signature]

Department Head's Signature

07/08/05

Date

Dei K. [Signature]

College Dean's Signature
(Required for Undergraduate Programs)

7/11/05

Date

Dean of the Graduate School's Signature
(Required for Graduate Degree Programs)

Date

November 1, 2004: Assessment plans are to be sent to the respective Dean
November 29, 2004: Relevant materials are to be sent from the Deans to the Provost

**Degree Program
Assessment of Student Learning Plan
Kansas State University**

- Check the box if your program's student learning outcomes have been modified since November 2003. If so, please email (apr@ksu.edu) or attach a hard copy to this document.

A. College, Department, and Date

College: College of Technology and Aviation
Department: Aviation Department
Date: April 12, 2005

B. Contact Person(s) for the Assessment Plans

Bernard F. King Section Head 826-2683

C. Degree Program

B. S. Aeronautical Technology – Professional Pilot

D. Assessment of Student Learning Three-Year Plan

1. Student Learning Outcome(s)

Of the 5 student learning outcomes we have developed for the professional pilot program we will concentrate on the following three outcomes in our three year assessment plan.

- a. Students will be highly skilled professional aviators who understand the national airspace system and can interface with all facets of the air traffic control system
- b. Students will demonstrate communication skills and apply these skills in the aviation environment
- c. Students will understand their responsibility to continue professional and personal development with an emphasis on diversity, ethics and teamwork

Special rationale for selecting these learning outcomes (optional):

None

Relationship to K-State Student Learning Outcomes (insert the program SLOs and check all that apply):

Program SLOs	University-wide SLOs (Undergraduate Programs)					Program SLO is conceptually different from university SLOs
	Knowledge	Critical Thinking	Communication	Diversity	Academic / Professional Integrity	
1. a.	x	x	x			
2. b.			x			
3. c.				x	x	
4.						
5.						

Program SLOs	University-wide SLOs (Graduate Programs)			Program SLO is conceptually different from university SLOs
	Knowledge	Skills	Attitudes and Professional Conduct	
1.				
2.				
3.				
4.				
5.				

2. How will the learning outcomes be assessed? What groups will be included in the assessment?

a. (1) Private, Instrument and Commercial students will be evaluated on the results of the FAA knowledge test, which must be taken in order to attain those ratings. This is a standardized test which is a direct measure of their achievement. FAA standards are 70%. KSU-S standards are 85%.

a. (2) Private, Instrument and Commercial students will be evaluated on the results of their final progress check ride. This flight is conducted by a faculty member or advanced flight instructor who evaluates based on the standards established for the final progress check in our FAA approved Training Course Outline. Students must meet or exceed the appropriate FAA practical test standards. We expect 90% of students to pass on the first attempt. This is a direct measure of their flying ability.

b. (1) At least 90% of students completing PPIL 312 CFI Ground School will score at least 85% on their oral presentations. This is a direct measure.

b. (2) At least 90% of those students completing PPIL 415 Human Factors will score at least 85% on their APA style written paper. This is a direct measure.

b. (3) At least 90% of those students completing PPIL 450 Aviation Safety Management will score at least 85% on their visual presentation project for that class. This is a direct measure.

b. (4) A survey will be taken of graduating senior by their advisor when they make an appointment to turn in their graduation application. This is an indirect measure.

b. (5) At least 90% of students completing PPIL 342 Meteorology will score at least 85% on their oral presentations. This is a direct measure.

c. (1) At least 90 % of students taking PPIL 342, Aviation Meteorology and 450, Aviation Safety Management will score at least 85% on their team presentations. This is a direct measure.

c. (2) At least 90% of the students taking PPIL 415 Human Factors will score at least 90% on worksheets based on viewing a diversity presentation on a "Class Divided" and on an ethics presentation on "Darker Shades of Blue." This is a direct measure.

c. (3) At least 90% of the students taking PPIL 100 Introduction to Aviation will score at least 85% on worksheets covering diversity issues of " Tuskegee Airmen" and "Women in Aviation". This is a direct measure.

c. (4) Teamwork will be assessed using a rubric in PPIL 342. Students are involved in group projects and are rated on their contribution to the group effort.

3. When will these outcomes be assessed? When and in what format will the results of the assessment be discussed?

a. (1) Data on FAA Knowledge scores is available from CY 2001 to date. Data is continuously gathered. Three year base line was established at the end of CY 2003. Results obtained include not only scores but by using the subject matter knowledge codes we can pin point the subjects in which the students are not doing well. We can compare the results at the end of each semester to our baseline and give the results to the ground school instructors so they can make changes the following semester. At the end of the year we can gather the statistics for the previous year and share it with the Professional Pilot faculty.

a. (2) Final Progress check ride data will be gather beginning in January 2005. From the unsatisfactory results we can do a trend analysis to see what maneuvers students are having trouble completing to FAA Practical Test Standards. At the end of the calendar year we will tally the unsatisfactory results by test item and by course and determine which items are causing the most difficulties. We will discuss those items at a standardization meeting with all the flight instructors.

b. (1) In Spring 2005 we will keep records of the oral presentations for the students in PPIL 312 CFI ground school. We will gather results for two semesters and discuss the results at a Professional Pilot faculty meeting in Feb 2006.

b. (2) APA style papers will be graded in PPIL 415. Results will be gathered for Spring 2005 and Fall 2005. We will gather results for two semesters and discuss the results at a Professional Pilot faculty meeting in Feb 2006.

b. (3) Scores for bulletin board visual presentations will be gather in PPIL 450 during the Spring and Fall of 2005. We will gather results for two semesters and discuss the results at a Professional Pilot faculty meeting in Feb 2006.

b. (4) Advisors will have students applying for graduation fill out a graduation survey when they make out their application for graduation.

b. (5) Scores for oral presentations in PPIL 342 will be gathered beginning in the F05. We will gather the results for two semesters and discuss at the end of the S06 semester

c. (1) Oral team presentations will be graded in PPIL 415 and PPIL 450 during the Spring and Fall of 2005. We will gather results for two semesters and discuss the results at a Professional Pilot faculty meeting in Feb 2006.

c. (2) Worksheets will be graded in PPIL 415 covering diversity and ethics presentations during Spring and Fall 2005. We will gather results for two semesters and discuss the results at a Professional Pilot faculty meeting in Feb 2006.

c. (3) Worksheets will be graded in PPIL 100 covering diversity presentations on "Tuskegee Airmen" and "Women in Aviation" during Spring and Fall 2005. We will gather results for two semesters and discuss the results at a Professional Pilot faculty meeting in Feb 2006.

c. (4) Teamwork will be assessed starting in the Fall 05 using a rubric in PPIL 342. Students will be rated on their contribution to a group project.

4. What is the unit's process for using assessment results to improve student learning?

a. We will look at the results at the end of the year. Results on the standardized FAA knowledge test may be able to be improved by requiring students to take a pretest before they are allowed to take the FAA examination. Some classes require this test as a part of the final examination. Some students who have not been flying in the equivalent flight lab complain that since they have not flown the appropriate maneuvers for the rating they are seeking, they really do not understand the concepts and would do better if they postponed the knowledge test until they had flown in the corresponding flight lab and would have a better understanding of the material.

b. Advisors need to ensure that students follow the curriculum so that the students take course in the order in which we have planned the curriculum. If oral presentations do not go well in PPIL 312 we may have to look at adding an additional speech class. There is an additional speech class SPCH 311, Business and Professional Speaking, that is available to add to the curriculum. We could also add more group speaking assignments in other courses prior to PPIL 312.

c. Teamwork results if they are unsatisfactory may be able to be improved by giving students additional opportunities in some of the lower level classes. We are looking for opportunities to increase diversity presentations and to increase the diversity of our incoming classes. We encourage students to become members of the school honor council.