

General Education Program (F 2010 - S 2011)

Date of report: **February 6, 2014**
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About this Improvement Project

Settings

Improvement Project Place: General Education

Assessment Unit Information

* Select Assessment Planning Form [2010-2012] Daytona Beach College of Arts & Sciences Academic Plans

* Program Name: General Education Program (F 2010 - S 2011)

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Contact Phone: 386.226.7779

* Public? Yes

Status of Assessment Plan

* Status of Assessment Plan Planning = Approved; Improvement = Approved

Program Mission Statement

* Program Mission Statement

Recognizing its general and special missions in education, Embry-Riddle Aeronautical University embraces a General Education Program. This course of study ensures that students possess the attributes expected of all university graduates. The General Education Program enables students, regardless of their degree program, to understand the significance of acquiring a broad range of knowledge.

Throughout the General Education Program, students gain and enhance competence in written and oral communication. They practice reasoning and critical thinking skills and demonstrate computer proficiency. As students engage in this course of study, they familiarize themselves with and investigate ideas and methodologies from several disciplines. These include the arts and humanities, the social sciences, economics, the natural sciences and mathematics. The program also helps students recognize interrelationships among the disciplines.

Promoting the appreciation of varied perspectives, the General Education Program provides intellectual stimulation, ensuring that students are broadly educated. This course of study empowers students to make informed value judgments, to expand their knowledge and understanding of themselves, and to lead meaningful, responsible, and satisfying lives as individuals, professionals, and concerned members of their society and the world. Over 4500 students are enrolled in the General Education Program at Daytona Beach.

Alignment of Program Mission Statement to University Mission

Select checkboxes below for all of the appropriate elements that indicate how your Unit Mission aligns with the University Mission Statement.

University Mission Statement:

At Embry-Riddle, our mission is to teach the science, practice and business of aviation and aerospace, preparing students for productive careers and leadership roles in service around the world.

Our technologically enriched, student-centered environment emphasizes learning through collaboration and teamwork, concern for ethical and responsible behavior, cultivation of analytical and management abilities, and a focus on the development of the professional skills needed for participation in a global community. We believe a vibrant future for aviation and aerospace rests in the success of our students. Toward this end, Embry-Riddle is committed to providing a climate that facilitates the highest standards of academic achievement and knowledge discovery, in an interpersonal environment that supports the unique needs of each individual. Embry-Riddle Aeronautical University is the world's leader in aviation and aerospace education. The University is an independent, non-profit, culturally diverse institution providing quality education and research in aviation, aerospace, engineering and related fields leading to associate's, baccalaureate's, master's and doctoral degrees.

Preparing Students for Productive Careers Yes

Preparing students for leadership roles in service around the world Yes

Technologically enriched environment Yes

Emphasize learning through collaboration and teamwork Yes

Concern for ethical and responsible behavior Yes

Cultivate analytical abilities Yes

Cultivate management abilities Yes

Develop the professional skills needed for participation in a global community Yes

Facilitating the highest standards of academic achievement Yes

Facilitating knowledge discovery Yes

Providing an interpersonal environment that supports the unique needs of each individual Yes

Assessment Year in Review

Ad Hoc Improvements in Past Year (optional)

Collaboration with Others to Evaluate Assessment Results and Recommend Improvements All course assessment plans are designed by course monitors and approved by department chairs. Assessment tools, such as rubrics/surveys, are designed by faculty teaching the course.

Changes to Assessment Organization, Processes, Participants (optional)

Additional Information
(optional)

Attached is the Gen Ed Assessment Report for the first three-year cycle Fall 2008 - Spring 2011.

It includes a summary of the three-year plan, results, analysis, and recommendations with sample outline, report, indicator courses, etc.

The report also includes a **list of improvements to the General Education Program**.

Complete plans, reports, and follow-up reports are archived in the Gen Ed Committee's Daytona Beach Gen Ed Program website.

Attach File(s) (optional)

Attachments

Type

[General Education Assessment.docx](#)

Attachment

System Information

Last Modified Date Tuesday, September 4, 2012 1:54:05 PM EDT

Last User to Modify pratta

Improvement Project Objectives

Name	Description	Status	Public
DB_GENED_PO 02 Written Documents			No
DB_GENED_PO 03 Oral Communication			No
DB_GENED_PO 04 Research			No
DB_GENED_PO 05 Ethical Responsibility			No
DB_GENED_PO 07 Communication Technology			No
History			No

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Improvement Project Objectives

^ [DB_GENED_PO 02 Written Documents](#)

Select Outcome to Assess from Master List of Outcomes

Instructions: Below, click the "BROWSE" button to:

1. (REQUIRED) Select an outcome to assess from Master List of Program Outcomes ("BROWSE" -> "Master List of Program Outcomes" -> "GO" button).

2. (OPTIONAL) Align outcome with any other applicable standards such as AABI, ABET, General Education Outcomes: ("BROWSE" -> "Standards" -> "GO" button).

* Select Outcome from
Master List of Outcomes

* Assessment Outcome DB_GENED_PO 02 Written Documents
Title

Assessment Measures, Criteria for Success and Results

Measurement One

Outcome Title DB_GENED_PO 02 Written Documents

* Means of Assessment Rubric-scored artifact in non-culminating course(s)

Description of 'Other'
Means of Assessment SF 345: Rubric scored final essay project.

Details of Assessment
Measurement (Timeframe
of Data Collection,
Participants/Roles, etc.) See attachment: [DB_GENED_PO_02 \(1\) \[2010-12\] ASMEAS MEAS1 DET.pdf](#)

* Criterion for Success Using the rubric, students will at least achieve a composite score of 20 points total. This score indicates that the Basic Criteria were met.

Assessment Results / Data Collected All eight teams were evaluated. Average score: 86%, meeting the criteria for success.

Measurement Two

Means of Assessment Capstone course / senior design project

Description of 'Other' Means of Assessment

Details of Assessment Measurement HU 475, Spring 2011: As a direct assessment, 30% of the students enrolled in an HU 475 class will have their final draft of the Senior Thesis evaluated by all faculty teaching the course during an academic year. The 30% will be randomly selected. Rubric will measure "needs improvement," "met expectations," "superior." The assessments will address the core objectives for the course and students' demonstration of their mastery of these objectives through the writing of the 25+-page Senior Thesis paper, which requires them to further demonstrate the interdisciplinary skills and knowledge they have gained during their degree work. The Senior Thesis assessment of papers will take place shortly before or during finals week in fall and spring semesters 2010-2011.

Criterion for Success Eighty percent will have "met expectations" and above.

Assessment Results / Data Collected Two randomly selected theses (30% of students) received a superior rating. Student Survey: The majority of students have some experience with research and completing longer papers before taking the course.

Measurement Three

Means of Assessment

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion for Success

Assessment Results / Data Collected

Measurement Four

Means of Assessment

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion for Success

Assessment Results / Data Collected

Measurement Five and Up

For Outcomes with more than four measurements, select means of assessment for measures five and up from the list below (check all that apply). Then list the details for measurements 5 and up in the areas below. Please number them appropriately in each text area, starting with number 5.

Capstone course / senior No
design project

Exam in non-culminating No
course(s)

Rubric-scored artifact in non-culminating course(s) **No**

End of course evaluations **No**

Focus group/structured interviews (students, faculty) **No**

ERAU Student Satisfaction Survey **No**

ERAU Graduating Student Survey **No**

ERAU Alumni Survey **No**

ERAU Employer Feedback Survey **No**

National Survey of Student Engagement (NSSE) **No**

Incoming Freshmen Survey (CIRP) **No**

Other national survey **No**

External or internal peer review **No**

Retention / graduation rates **No**

Employment placement / continuing education rates **No**

Other (Please specify below) **No**

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion / Criteria for Success

Assessment Results / Data Collected

Improvements

Assessment Outcome Title

Outcome Title DB_GENED_PO 02 Written Documents

Use of Assessment Results

Have assessment results been used to make improvements? **No**

Pedagogical modifications were made **No**

Course sequence was **No**

altered

Technology-related changes were made **No**

Personnel-related changes were made **No**

Other **No**

Description of Improvements **Assessment results met faculty expectations.**

Attach File(s) (optional)	Attachments	Type
	DB_GENED_PO_02 (1) [2010-12] ASMEAS MEAS1 DET.pdf	Attachment

Planned Future Improvements

Indicate and describe any planned improvements. If new funds are required for planned improvements, you will also need to complete the next tab, "Mission Critical Budget Request".

Do assessment results indicate any critical improvements that must be made in the next fiscal year?

Description of Planned Improvements

Mission-Critical Budget Request

Assessment Outcome Title

Outcome Title **DB_GENED_PO 02 Written Documents**

Mission-Critical Budget Request

Title of Budget Request

Details of Budget Request

Are capital funds required? **No**

Total Amount of Operating Funds Requested

Salaries: \$

Duration:

Benefits: \$

Duration:

Professional Development: \$

Duration:

Computer Hardware: \$

Duration:

Computer Software: \$

Duration:

Other Operating Funds: \$

Duration:

[^ Back to top](#)[^](#) **DB_GENED_PO 03 Oral Communication****Select Outcome to Assess from Master List of Outcomes*****Instructions:*** Below, click the "BROWSE" button to:**1. (REQUIRED)** Select an outcome to assess from Master List of Program Outcomes ("BROWSE" -> "Master List of Program Outcomes" -> "GO" button).**2. (OPTIONAL)** Align outcome with any other applicable standards such as AABI, ABET, General Education Outcomes: ("BROWSE" -> "Standards" -> "GO" button).* Select Outcome from
Master List of Outcomes* Assessment Outcome DB_GENED_PO 03 Oral Communication
Title**Assessment Measures, Criteria for Success and Results****Measurement One**

Outcome Title DB_GENED_PO 03 Oral Communication

* Means of Assessment Capstone course / senior design project

Description of 'Other'
Means of Assessment BA 436: Capstone Oral Presentation EvaluationDetails of Assessment
Measurement (Timeframe
of Data Collection,
Participants/Roles, etc.) BA 436, Spring 2011: Outcome 3 can be directly assessed through a required oral presentation at the end of the semester. These outcomes are directly tied to the College of Business (COB) 2008 Comprehensive 5-Year Assessment Plan which outlines not only the undergraduate learning goals and objectives, but also the detailed rubrics as to how each will be assessed.

* Criterion for Success Using the Oral Presentation Rubric, 70% of the selected students will show they have met or exceeded the learning outcomes by obtaining an average score of acceptable or better according to the standards outlined in the COB 2008 Comprehensive 5-Year Assessment Plan.

Assessment Results /
Data Collected Of the randomly selected student teams (30% of all students), all meet or exceeded expectations. Student Survey: Of the 38 students who took the entry survey, 91% agreed.**Measurement Two**

Means of Assessment Capstone course / senior design project

Description of 'Other'
Means of Assessment EP 496/ 497: Capstone Presentation EvaluationDetails of Assessment
Measurement EP 496/ 497, Spring 2011. Student teams will make formal public presentations of their design projects. Timing of the presentations will be made to encourage attendance by faculty and students as observers, in addition to the Engineering Physics Design Committee who will ultimately rate the individual students' performance as part of the team presentations. This evaluation will focus on the student/team's ability to communicate the concepts and technical details of their design project in the context of the Learning Outcomes listed above.

Criterion for Success The faculty evaluators will rate each of the Learning Outcomes for each student, using: Excellent, Very Good, Good, Fair, Poor. The goal will be for 75% of all questions to receive a Good or better response.

Assessment Results /
Data Collected Assessment not submitted.**Measurement Three**

Means of Assessment Capstone course / senior design project

Description of 'Other' Means of Assessment	AE 420/ 421 Evaluation of Capstone Presentation.
Details of Assessment Measurement	AE 421/ 421, Spring 2011. A questionnaire will be provided to the guest foreach presenting team (there are normally four teams with six students per team):1. Did the team look professional and act confident?2. Were the visual overheads clear and of high quality?3. How well did the students know their information?4. Was audience interaction (e.g., eye contact, voice clarity, etc.) acceptable?5. Were questions handled in a professional and informative manner (students did not get flustered)?A. Rate their ability to communicate ideas in non-written form such as through oral presentations and visual media.B. Rate their ability to use technology to organize and manipulate information to communicate ideas and concepts.
Criterion for Success	The following rating system will apply: Excellent, Very Good, Good, Fair, Poor.Criterion for success... 75% of all questions receive Very Good or Excellent
Assessment Results / Data Collected	All 6 teams averaged 92% excellent/ very good in all categories meeting the criteria for success.Student Survey: 97% students agreed that their abilities improved.

Measurement Four

Means of Assessment	Rubric-scored artifact in non-culminating course(s)
Description of 'Other' Means of Assessment	COM 219 Speech: Speech evaluation by faculty committee: 75% of persuasive speeches will be rated satisfactory or excellent.
Details of Assessment Measurement	COM 219 Speech:Speech evaluation by faculty committee.
Criterion for Success	75% of persuasive speeches will be rated satisfactory or excellent.
Assessment Results / Data Collected	Of 29 randomly selected students, 75.86% received satisfactory or above.Analysis of rubric items revealed areas of concern: 1. Course Monitor will work with faculty to offer students more instruction in and greater opportunities to practice using evidence and citing sources. 2. Strategies will be developed to aid faculty to strengthen other areas of content and delivery that were found to have 25% or higher unsatisfactory ratings. Such strategies might include additional calibration sessions, delivery exercises, and sharing of resources for students at the speech preparation stage.

Measurement Five and Up

For Outcomes with more than four measurements, select means of assessment for measures five and up from the list below (check all that apply). Then list the details for measurements 5 and up in the areas below. Please number them appropriately in each text area, starting with number 5.

Capstone course / senior design project	No
Exam in non-culminating course(s)	No
Rubric-scored artifact in non-culminating course(s)	No
End of course evaluations	No
Focus group/structured interviews (students, faculty)	No
ERAU Student Satisfaction Survey	No
ERAU Graduating Student Survey	No
ERAU Alumni Survey	No
ERAU Employer	No

Feedback Survey

National Survey of Student Engagement (NSSE) **No**

Incoming Freshmen Survey (CIRP) **No**

Other national survey **No**

External or internal peer review **No**

Retention / graduation rates **No**

Employment placement / continuing education rates **No**

Other (Please specify below) **No**

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion / Criteria for Success

Assessment Results / Data Collected

Improvements

Assessment Outcome Title

Outcome Title DB_GENED_PO 03 Oral Communication

Use of Assessment Results

Have assessment results been used to make improvements? **Yes** (Select all that apply below, then describe)

Pedagogical modifications were made **Yes**

Course sequence was altered **No**

Technology-related changes were made **No**

Personnel-related changes were made **No**

Other **No**

Description of Improvements

COM 219: Analysis of rubric items revealed areas of concern: 1. Course Monitor will work with faculty to offer students more instruction in and greater opportunities to practice using evidence and citing sources. 2. Strategies will be developed to aid faculty to strengthen other areas of content and delivery that were found to have 25% or higher unsatisfactory ratings. Such strategies might include additional calibration sessions, delivery exercises, and sharing of resources for students at the speech preparation stage.

Attach File(s) (optional)

Planned Future Improvements

Indicate and describe any planned improvements. If new funds are required for planned improvements, you will also need to complete the next tab, "Mission Critical Budget Request".

Do assessment results indicate any critical improvements that must be made in the next fiscal year? **Yes - planned improvements require NO NEW FUNDS**

Description of Planned Improvements

Mission-Critical Budget Request

Assessment Outcome Title

Outcome Title DB_GENED_PO 03 Oral Communication

Mission-Critical Budget Request

Title of Budget Request

Details of Budget Request

Are capital funds required? **No**

Total Amount of Operating Funds Requested

Salaries: \$

Duration:

Benefits: \$

Duration:

Professional Development: \$

Duration:

Computer Hardware: \$

Duration:

Computer Software: \$

Duration:

Other Operating Funds: \$

Duration:

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DB_GENED_PO 04 Research

Select Outcome to Assess from Master List of Outcomes

Instructions: Below, click the "BROWSE" button to:

- (REQUIRED)** Select an outcome to assess from Master List of Program Outcomes ("BROWSE" -> "Master List of Program Outcomes" -> "GO" button).
- (OPTIONAL)** Align outcome with any other applicable standards such as AABI, ABET, General Education Outcomes: ("BROWSE" -> "Standards" -> "GO" button).

✳ Select Outcome from Master List of Outcomes

✳ Assessment Outcome DB_GENED_PO 04 Research Title

Assessment Measures, Criteria for Success and Results

Measurement One

Outcome Title DB_GENED_PO 04 Research

✳ Means of Assessment Capstone course / senior design project

Description of 'Other' Means of Assessment

Details of Assessment Measurement (Timeframe of Data Collection, Participants/Roles, etc.) See attachment: [DB_GENED_PO_04 \(1\) \[2010-12\] ASMEAS MEAS1 DET.pdf](#)

✳ Criterion for Success 70% of the selected students will show they have met or exceeded the learning outcomes by obtaining an average score of acceptable or better according to the standards outlined in the COB 2008 Comprehensive 5-Year Assessment Plan.

Assessment Results / Data Collected Of the randomly selected student teams (30% of all students), all meet or exceeded expectations. Student Survey: Of the 38 students who took the entry survey, 91% agreed.

Measurement Two

Means of Assessment Other (please specify below)

Description of 'Other' Means of Assessment BA436: Entry/Exit Survey of Students

Details of Assessment Measurement Spring 2011: Questions will be identical between entry and exit surveys and will be given to each student on the first and last days of class, respectively. (An example of the type of survey which may be used is included in the Appendix). This measure should help students evaluate their skills pre- and post-semester project, as well as help faculty understand students' starting point in the course, help identify any knowledge or skill gaps that must be addressed before students can successfully develop the semester project, and compare their skill and knowledge assessment of students versus the students' self-assessments. These surveys can be given to all students in BA436, beginning in spring 2011. The results will be shared with faculty teaching BA436 in future semesters, with department chairs, and with the COB Assessment Committee.

Criterion for Success As an assessment goal, 80% of the students will indicate they have researched, written and presented project results according to general education requirements during their ERAU academic career. Furthermore, 80% of the students will feel prepared to research, write, and present the results of a semester project.

Assessment Results / Data Collected Student Survey: Of the 38 students who took the entry survey, 91% agreed.

Measurement Three

Means of Assessment Capstone course / senior design project

Description of 'Other' Means of Assessment

Details of Assessment Measurement See attachment: [DB_GENED_PO_04 \(1\) \[2010-12\] ASMEAS MEAS3 DET.pdf](#)

Criterion for Success Thesis review: Selected theses reviewed by faculty committee will receive average or superior ratings. Student Survey: Questions and written responses regarding preparation for thesis.

Assessment Results / Data Collected Two randomly selected theses (30% of students) received a superior rating. Student Survey: The majority of students have some experience with research and completing longer papers before taking the course.

Measurement Four

Means of Assessment Capstone course / senior design project

Description of 'Other'
Means of Assessment EP 496/ 497 Evaluate Contents of Capstone Oral Presentation

Details of Assessment
Measurement EP 496/ 497: In order to implement the Direct assessment, the student teams will make formal public presentations of their design projects. Timing of the presentations will be made to encourage attendance by faculty and students as observers, in addition to the Engineering Physics Design Committee who will ultimately rate the individual students' performance as part of the team presentations. This evaluation will focus on the student/team's ability to communicate the concepts and technical details of their design project in the context of the Learning Outcomes listed above.

Criterion for Success The faculty evaluators will rate each of the Learning Outcomes for each student, using: Excellent, Very Good, Good, Fair, Poor. The goal will be for 75% of all questions to receive a Good or better response.

Assessment Results /
Data Collected Assessment not completed.

Measurement Five and Up

For Outcomes with more than four measurements, select means of assessment for measures five and up from the list below (check all that apply). Then list the details for measurements 5 and up in the areas below. Please number them appropriately in each text area, starting with number 5.

Capstone course / senior
design project No

Exam in non-culminating
course(s) No

Rubric-scored artifact in
non-culminating
course(s) No

End of course evaluations Yes

Focus group/structured
interviews (students,
faculty) No

ERAU Student
Satisfaction Survey No

ERAU Graduating Student
Survey No

ERAU Alumni Survey No

ERAU Employer
Feedback Survey No

National Survey of Student
Engagement (NSSE) No

Incoming Freshmen
Survey (CIRP) No

Other national survey No

External or internal peer
review No

Retention / graduation
rates No

Employment placement / No

continuing education rates

Other (Please specify below) No

Description of 'Other' Means of Assessment EP 496/ 497: Indirect assessment. Each student in the design class will be asked to answer an opinion survey with a simple yes or no response to the following questions.

Details of Assessment Measurement The goal will be for 75% of all responses to be Yes.

Criterion / Criteria for Success 75% of all questions will receive a good or better response.

Assessment Results / Data Collected Assessment not completed.

Improvements

Assessment Outcome Title

Outcome Title DB_GENED_PO 04 Research

Use of Assessment Results

Have assessment results been used to make improvements? No

Pedagogical modifications were made No

Course sequence was altered No

Technology-related changes were made No

Personnel-related changes were made No

Other No

Description of Improvements Assessment outcomes met the expectations of faculty.

Attach File(s) (optional)

Attachments	Type
DB_GENED_PO_04 (1) [2010-12] ASMEAS MEAS1 DET.pdf	Attachment
DB_GENED_PO_04 (1) [2010-12] ASMEAS MEAS3 DET.pdf	Attachment

Planned Future Improvements

Indicate and describe any planned improvements. If new funds are required for planned improvements, you will also need to complete the next tab, "Mission Critical Budget Request".

Do assessment results indicate any critical improvements that must be made in the next fiscal year? No

Description of Planned Improvements

Mission-Critical Budget Request

Assessment Outcome Title

Outcome Title DB_GENED_PO 04 Research

Mission-Critical Budget Request

Title of Budget Request

Details of Budget Request

Are capital funds required? **No**

Total Amount of Operating Funds Requested

Salaries: \$

Duration:

Benefits: \$

Duration:

Professional Development: \$

Duration:

Computer Hardware: \$

Duration:

Computer Software: \$

Duration:

Other Operating Funds: \$

Duration:

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DB_GENED_PO 05 Ethical Responsibility

Select Outcome to Assess from Master List of Outcomes

Instructions: Below, click the "BROWSE" button to:
1. (REQUIRED) Select an outcome to assess from Master List of Program Outcomes ("BROWSE" -> "Master List of Program Outcomes" -> "GO" button).
2. (OPTIONAL) Align outcome with any other applicable standards such as AABI, ABET, General Education Outcomes: ("BROWSE" -> "Standards" -> "GO" button).

* Select Outcome from Master List of Outcomes

* Assessment Outcome DB_GENED_PO 05 Ethical Responsibility
Title

Assessment Measures, Criteria for Success and Results

Measurement One

Outcome Title DB_GENED_PO 05 Ethical Responsibility

* Means of Assessment Other (please specify below)

Description of 'Other' AS 402: Evaluation of classroom behavior and written coursework
Means of Assessment

Details of Assessment Measurement (Timeframe) AS 402, Spring 2011: The Airline Operations faculty will develop a rubric to assess students' class behavior, class work, essay, and/or research for indications of the students' understanding of

of Data Collection, Participants/Roles, etc.) ethics, professionalism, and social responsibility. At a minimum the rubric assessment will include: reliability and responsible care displayed in preparation of work; evidences of understanding value-based decision making; altruism; honor and integrity; excellence and self-improvement; respect demonstrated to superiors, peers, and subordinates; and adherence to the university's pilot code of professional conduct. The instructor will apply the rubric to the student's academic activities evaluating the student's demonstrated competency.

✱ Criterion for Success Eighty percent (80%) of students' professionalism assessments will meet or exceed expectations as dictated by the developed rubric.

Assessment Results /
Data Collected

Measurement Two

Means of Assessment End of course evaluations

Description of 'Other'
Means of Assessment SF 345: End of course student survey

Details of Assessment
Measurement SF 345, Spring 2011: End of course student survey consisting of five questions.

Criterion for Success Students will at least achieve a composite score of 12 total points. This indicates they support ethical responsibility both socially and professionally.

Assessment Results /
Data Collected Of 71 students evaluated, 80% received a "meets" or "exceeds" in almost every category of the professionalism assessment.

Measurement Three

Means of Assessment Capstone course / senior design project

Description of 'Other'
Means of Assessment EP 496/ 497: Evaluation of Capstone Presentation

Details of Assessment
Measurement EP 496/ 497, Spring 2011: Student teams will make formal public presentations of their design projects. Timing of the presentations will be made to encourage attendance by faculty and students as observers, in addition to the Engineering Physics Design Committee who will ultimately rate the individual students' performance as part of the team presentations. This evaluation will focus on the student/team's ability to communicate the concepts and technical details of their design project in the context of the Learning Outcomes #5.

Criterion for Success The faculty evaluators will rate each of the Learning Outcomes for each student, using: Excellent, Very Good, Good, Fair, Poor. The goal will be for 75% of all questions to receive a Good or better response.

Assessment Results /
Data Collected Assessment not completed.

Measurement Four

Means of Assessment Other (please specify below)

Description of 'Other'
Means of Assessment SF 345 Safety Program Management Student Ethics Survey, 2010-2011.

Details of Assessment
Measurement

Criterion for Success 80% will recognize the importance of ethical responsibility.

Assessment Results /
Data Collected Survey: 88% of students recognized the importance of ethical responsibility.

Measurement Five and Up

For Outcomes with more than four measurements, select means of assessment for measures five and up from the list below (check all that apply). Then list the details for measurements 5 and up in the areas below. Please number them appropriately in each text area, starting with number 5.

Capstone course / senior design project **No**

Exam in non-culminating course(s) **No**

Rubric-scored artifact in non-culminating course(s) **No**

End of course evaluations **No**

Focus group/structured interviews (students, faculty) **No**

ERAU Student Satisfaction Survey **No**

ERAU Graduating Student Survey **No**

ERAU Alumni Survey **No**

ERAU Employer Feedback Survey **No**

National Survey of Student Engagement (NSSE) **No**

Incoming Freshmen Survey (CIRP) **No**

Other national survey **No**

External or internal peer review **No**

Retention / graduation rates **No**

Employment placement / continuing education rates **No**

Other (Please specify below) **No**

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion / Criteria for Success

Assessment Results / Data Collected

Improvements

Assessment Outcome Title

Outcome Title DB_GENED_PO 05 Ethical Responsibility

Use of Assessment Results

Have assessment results been used to make improvements? No

Pedagogical modifications were made No

Course sequence was altered No

Technology-related changes were made No

Personnel-related changes were made No

Other No

Description of Improvements Assessment outcomes met faculty expectations.

Attach File(s) (optional)

Planned Future Improvements

Indicate and describe any planned improvements. If new funds are required for planned improvements, you will also need to complete the next tab, "Mission Critical Budget Request".

Do assessment results indicate any critical improvements that must be made in the next fiscal year? No

Description of Planned Improvements

Mission-Critical Budget Request

Assessment Outcome Title

Outcome Title DB_GENED_PO 05 Ethical Responsibility

Mission-Critical Budget Request

Title of Budget Request

Details of Budget Request

Are capital funds required? No

Total Amount of Operating Funds Requested

Salaries: \$

Duration:

Benefits: \$

Duration:

Professional Development: \$

Duration:

Computer Hardware: \$

Duration:

Computer Software: \$

Duration:

Other Operating Funds: \$

Duration:

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⤴ **DB_GENED_PO 07 Communication Technology**

Select Outcome to Assess from Master List of Outcomes

Instructions: Below, click the "BROWSE" button to:
 1. (REQUIRED) Select an outcome to assess from Master List of Program Outcomes ("BROWSE" -> "Master List of Program Outcomes" -> "GO" button).
 2. (OPTIONAL) Align outcome with any other applicable standards such as AABI, ABET, General Education Outcomes: ("BROWSE" -> "Standards" -> "GO" button).

✳ Select Outcome from Master List of Outcomes

✳ Assessment Outcome DB_GENED_PO 07 Communication Technology Title

Assessment Measures, Criteria for Success and Results

Measurement One

Outcome Title DB_GENED_PO 07 Communication Technology

✳ Means of Assessment Other (please specify below)

Description of 'Other' Means of Assessment AE 420/421 Aircraft Preliminary/Detail Design.Survey (2010-2011) asking students to rate their ability to use technology to organize and manipulate information to communicate ideas and concepts.Had their use of technology for communication improved?

Details of Assessment Measurement (Timeframe of Data Collection, Participants/Roles, etc.) AE 420/ 421, Spring 2011: Each student taking part in the activity will be asked to answer a Yes/No opinion survey.A. Has your ability to communicate ideas in non-written form such as through oral presentations and visual mediaimproved significantly since first arriving at ERAU?B. Has your ability to use technology to organize and manipulate information to communicate ideas and conceptsimproved significantly since first arriving at ERAU?The following rating system will apply: Excellent, Very Good, Good, Fair, Poor

✳ Criterion for Success Criterion for success: 75% of all questions will receive Very Good or Excellent.

Assessment Results / Data Collected Student Survey: 97% students agreed that their abilities improved.

Measurement Two

Means of Assessment Capstone course / senior design project

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion for Success

Assessment Results / Data Collected

Measurement Three

Means of Assessment	Capstone course / senior design project
Description of 'Other' Means of Assessment	
Details of Assessment Measurement	BA 436, Spring 2011: As a direct assessment, 30% of the students enrolled in a BA436 class will have the semester project, both oral and written, evaluated by the Assessment Committee. This 30% will be randomly selected. A rubric is used to measure student accomplishments for Outcome #7.
Criterion for Success	70% of the selected students will show they have met or exceeded the learning outcomes by obtaining an average score of acceptable or better according to the standards outlined in the COB 2008 Comprehensive 5-Year Assessment Plan.
Assessment Results / Data Collected	Of the randomly selected student teams (30% of all students), all met or exceeded expectations.

Measurement Four

Means of Assessment	Capstone course / senior design project
Description of 'Other' Means of Assessment	
Details of Assessment Measurement	EP 496/ 497, Spring 2010: In order to implement the Direct assessment, the student teams will make formal public presentations of their design projects. Timing of the presentations will be made to encourage attendance by faculty and students as observers, in addition to the Engineering Physics Design Committee who will ultimately rate the individual students' performance as part of the team presentations. This evaluation will focus on the student/team's ability to communicate the concepts and technical details of their design project in the context Learning Outcome #7.
Criterion for Success	The faculty evaluators will rate each of the Learning Outcomes for each student, using: Excellent, Very Good, Good, Fair, Poor. The goal will be for 75% of all questions to receive a Good or better response.
Assessment Results / Data Collected	Assessment not completed

Measurement Five and Up

For Outcomes with more than four measurements, select means of assessment for measures five and up from the list below (check all that apply). Then list the details for measurements 5 and up in the areas below. Please number them appropriately in each text area, starting with number 5.

Capstone course / senior design project	No
Exam in non-culminating course(s)	No
Rubric-scored artifact in non-culminating course(s)	No
End of course evaluations	No
Focus group/structured interviews (students, faculty)	No
ERAU Student Satisfaction Survey	No
ERAU Graduating Student Survey	No
ERAU Alumni Survey	No
ERAU Employer Feedback Survey	No

National Survey of Student
Engagement (NSSE) **No**

Incoming Freshmen
Survey (CIRP) **No**

Other national survey **No**

External or internal peer
review **No**

Retention / graduation
rates **No**

Employment placement /
continuing education
rates **No**

Other (Please specify
below) **No**

Description of 'Other'
Means of Assessment

Details of Assessment
Measurement

Criterion / Criteria for
Success

Assessment Results /
Data Collected

Improvements

Assessment Outcome Title

Outcome Title **DB_GENED_PO 07 Communication Technology**

Use of Assessment Results

Have assessment results
been used to make
improvements? **No**

Pedagogical
modifications were made **No**

Course sequence was
altered **No**

Technology-related
changes were made **No**

Personnel-related
changes were made **No**

Other **No**

Description of
Improvements **Assessment outcomes met faculty expectations.**

Attach File(s) (optional)

Planned Future Improvements

Indicate and describe any planned improvements. If new funds are required for planned improvements, you will also need to complete the next tab, "Mission Critical Budget Request".

Do assessment results
indicate any critical

improvements that must be made in the next fiscal year?

Description of Planned Improvements

Mission-Critical Budget Request

Assessment Outcome Title

Outcome Title DB_GENED_PO 07 Communication Technology

Mission-Critical Budget Request

Title of Budget Request

Details of Budget Request

Are capital funds required? No

Total Amount of Operating Funds Requested

Salaries: \$

Duration:

Benefits: \$

Duration:

Professional Development: \$

Duration:

Computer Hardware: \$

Duration:

Computer Software: \$

Duration:

Other Operating Funds: \$

Duration:

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History

Select Outcome to Assess from Master List of Outcomes

Instructions: Below, click the "BROWSE" button to:

- 1. (REQUIRED) Select an outcome to assess from Master List of Program Outcomes ("BROWSE" -> "Master List of Program Outcomes" -> "GO" button).
- 2. (OPTIONAL) Align outcome with any other applicable standards such as AABI, ABET, General Education Outcomes: ("BROWSE" -> "Standards" -> "GO" button).

* Select Outcome from Master List of Outcomes

* Assessment Outcome History Title

Assessment Measures, Criteria for Success and Results

Measurement One

Outcome Title History

* Means of Assessment Rubric-scored artifact in non-culminating course(s)

Description of 'Other'
Means of Assessment

Details of Assessment Measurement (Timeframe of Data Collection, Participants/Roles, etc.) SS 325 International Relations Portfolio review by faculty committee using faculty-generated rubric.

* Criterion for Success 80% of students will have satisfactory portfolios.

Assessment Results / Data Collected Of the 11% of randomly selected students, 60% received satisfactory.

Measurement Two

Means of Assessment Rubric-scored artifact in non-culminating course(s)

Description of 'Other'
Means of Assessment

Details of Assessment Measurement SS 337 Globalization and World Politics Portfolio review by faculty committee using faculty-generated rubric.

Criterion for Success Portfolio review: 75% of students will meet expectations.

Assessment Results / Data Collected Of 5 randomly selected portfolios (among 41), 80% met the criteria for success.

Measurement Three

Means of Assessment

Description of 'Other'
Means of Assessment

Details of Assessment
Measurement

Criterion for Success

Assessment Results /
Data Collected

Measurement Four

Means of Assessment

Description of 'Other'
Means of Assessment

Details of Assessment
Measurement

Criterion for Success

Assessment Results /
Data Collected

Measurement Five and Up

For Outcomes with more than four measurements, select means of assessment for measures five and up from the list below (check all that apply). Then list the details for measurements 5 and up in the areas below. Please number them appropriately in each text area, starting with number 5.

Capstone course / senior design project **No**

Exam in non-culminating course(s) **No**

Rubric-scored artifact in non-culminating course(s) **No**

End of course evaluations **No**

Focus group/structured interviews (students, faculty) **No**

ERAU Student Satisfaction Survey **No**

ERAU Graduating Student Survey **No**

ERAU Alumni Survey **No**

ERAU Employer Feedback Survey **No**

National Survey of Student Engagement (NSSE) **No**

Incoming Freshmen Survey (CIRP) **No**

Other national survey **No**

External or internal peer review **No**

Retention / graduation rates **No**

Employment placement / continuing education rates **No**

Other (Please specify below) **No**

Description of 'Other' Means of Assessment

Details of Assessment Measurement

Criterion / Criteria for Success

Assessment Results / Data Collected

Improvements

Assessment Outcome Title

Outcome Title History

Use of Assessment Results

Have assessment results been used to make improvements? **Yes (Select all that apply below, then describe)**

Pedagogical modifications were made **Yes**

Course sequence was altered **No**

Technology-related changes were made **No**

Personnel-related changes were made **No**

Other **No**

Description of Improvements **SS 325 International Studies**
 The course has been modified to focus on historical content. Research assignments will emphasize knowledge of the region, continent, or country.

Attach File(s) (optional)

Planned Future Improvements

Indicate and describe any planned improvements. If new funds are required for planned improvements, you will also need to complete the next tab, "Mission Critical Budget Request".

Do assessment results indicate any critical improvements that must be made in the next fiscal year? **Yes - planned improvements require NO NEW FUNDS**

Description of Planned Improvements

Mission-Critical Budget Request

Assessment Outcome Title

Outcome Title **History**

Mission-Critical Budget Request

Title of Budget Request

Details of Budget Request

Are capital funds required? **No**

Total Amount of Operating Funds Requested

Salaries: \$

Duration:

Benefits: \$

Duration:

Professional Development: \$

Duration:

Computer Hardware: \$

Duration:

Computer Software: \$

Duration:

Other Operating Funds: \$

Duration:

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