“Accreditation by the Commission on Colleges signifies that an institution has a purpose appropriate to higher education and has resources, programs, and services sufficient to accomplish and sustain that purpose. Accreditation indicates that an institution maintains clearly specified educational objectives that are consistent with its mission and appropriate to the degrees it offers, and that it is successful in achieving its stated objectives.

… Accreditation enhances educational quality throughout the region by improving the effectiveness of institutions and ensuring that institutions meet standards established by the higher education community, and serves as a common denominator of shared values and practices among the diverse institutions.”

Texas A&M International University engages in the process of institutional effectiveness in compliance with the criteria outlined in the Principles of Accreditation: Foundations for Quality Enhancement as cited below:

Section II: Core Requirements

2.5 The institution engages in ongoing, integrated, and institution-wide research-based planning and evaluation processes that (1) incorporate a systematic review of institutional mission, goals, and outcomes; (2) result in continuing improvement in institutional quality; and (3) demonstrate the institution is effectively accomplishing its mission. (Institutional Effectiveness)

Section III: Comprehensive Standards

3.3 Institutional Effectiveness

3.3.1 The institution identifies expected outcomes, assesses the extent to which it achieves these outcomes, and provides evidence of improvement based on analysis of the results in each of the following areas:

3.3.1.1 educational programs, to include student learning outcomes
3.3.1.2 administrative support services
3.3.1.3 educational support services
3.3.1.4 research within its educational mission, if appropriate
3.3.1.5 community/public service within its educational mission, if appropriate
Principles of Good Practice for Assessing Student Learning

These principles were developed under the auspices of the American Association for Higher Education (now dissolved) Assessment Forum with support from the Fund for the Improvement of Postsecondary Education and the Exxon Education Foundation. Authors included: Alexander W. Astin, Trudy W. Banta, K. Patricia Cross, Elaine El-Khawas, Peter T. Ewell, Pat Hutchings, Theodore J. Marchese, Kay M. McClenny, Marcia Mentkowski, Margaret A. Miller, E. Thomas Moran, and Barbara D. Wright. (December 1992)

► The assessment of student learning begins with educational values.

► Assessment is most effective when it reflects an understanding of learning as multidimensional, integrated, and revealed in performance over time.

► Assessment works best when the programs it seeks to improve have clear, explicitly stated purposes.

► Assessment requires attention to outcomes but also and equally to the experiences that lead to those outcomes.

► Assessment works best when it is ongoing, not episodic.

► Assessment fosters wider improvement when representatives from across the educational community are involved.

► Assessment makes a difference when it begins with issues of use and illuminates questions that people really care about.

► Assessment is most likely to lead to improvement when it is part of a larger set of conditions that promote change.

► Through assessment, educators meet responsibilities to students and to the public.
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INTRODUCTION

This practitioner’s manual is provided as a resource for University faculty and administrative staff to assist in the development of institutional effectiveness plans for academic programs and administrative/educational support (AES) units. The information in this document was compiled from sources included in the Bibliography. The online version will be periodically updated to reflect current best practices in assessment of student learning outcomes.

The Office of Institutional Effectiveness and Planning will, upon request, provide assistance to faculty and administrators in:

- developing mission, goals, and outcome statements
- selecting appropriate assessment methods
- developing and administering assessment procedures and analyzing their results

Institutional Effectiveness

The University undertakes an institutional effectiveness process that integrates strategic planning, assessment and budgeting. The institutional effectiveness process is an integral part of the institution, a critical component of the planning, evaluation, and budgeting cycle, and is the basis for change and improvement. This process is a planned and continuous activity that is communicated across the organizational structure and is grounded in the University rule cited below:

Texas A&M International University is responsible for assessing all programs and services provided by the institution. All academic programs and administrative/educational support units conduct an annual assessment of student learning and service outcomes. In addition, academic and service units conduct external reviews on a cycle determined by the college/school/division and approved by the appropriate vice president.

The strategic planning process focuses the University’s energy in working toward common goals, assesses and adjusts the University’s progress toward these goals, results in a disciplined effort producing decisions and actions, and shapes and guides the University in a changing environment. Strategic planning begins with a review of the Annual Institutional Effectiveness Review (AIER) reports to determine implications for changes to the strategic plan.

Assessment guides the strategic planning process by providing data for development of action plans and constructive change, development of priorities and allocation of resources. Components of assessment include developing student learning outcome criteria that reflect elements of both the Institutional Mission and the Strategic Plan; selecting appropriate methodologies to assess achievement of outcomes; gathering and analyzing data by applying the methodologies; sharing the results of the analysis; and making evidence-based improvements when necessary.
Assessment results guide resource allocation decisions that reflect institutional priorities based on the Strategic Plan. This process identifies costs and other resources to support implementation of planning and evaluation activities.

**Definition of Assessment**

Assessment is **systematic** and **ongoing**. It is the **collection**, **review**, and **use of evidence** about academic and administrative/educational support programs and services provided by the University for **improving student learning and development**. Assessment examines quantitative and qualitative evidence regarding student competence, uses this evidence to improve learning for current and future students, and **presents results to stakeholders**. Data is collected, analyzed and shared to determine skills, knowledge and values students have gained from the University experience. Assessment results are used to determine changes to improve programs and services. The impact of those changes is analyzed to close the loop.

Assessment is a **repeating cycle** involving the following actions:

- In academic programs, publicizing faculty expectations of student learning with appropriate criteria and standards for learning
- In academic and administrative/educational support units, evidence is systematically gathered, analyzed and interpreted to determine how well standards and expectations are met, and
- Results are used to improve curricula and to modify or create student services.

Assessment activities:

- **Prove** whether or not intended outcomes are being achieved
- **Inform** stakeholders about relevant issues that can impact the program and student learning
- **Provide** information to focus conversations on how to improve policies, programs, and practices
- **Expand** the scholarship of assessment or extend the foundation of knowledge underlying effective learning, teaching, and assessment.

Functions of Assessment:

- **Formative** assessment is conducted for program improvement and to provide feedback to improve teaching, learning, and the curricula to identify students’ strengths and weaknesses to assist in appropriately placing students based on their particular learning needs.
- **Summative** assessment is conducted for evaluation and accountability and to use credible evidence for decision-making regarding fund allocation to aid in program level decision-making to respond to demands of accrediting bodies, state and federal agencies.
Philosophy of Assessment

Assessment is based on two fundamental assumptions:

- *Effective assessment is learner-centered* - “How will students learn?” and “How well did they learn?” not “How will it be taught?” and “How well was it taught?”
- *Effective assessment is systemic* - each component of the system affects the behavior and properties of other components of the system. Institutional assessment efforts must be integrated and must encourage faculty and administrators to focus on the student learning component of teaching within academic programs and courses.

Benefits of Assessment

- Better information
- More and better student learning and development
- Stronger programs
- Intellectual stimulation and faculty, student, and staff rejuvenation
- Enhanced collegiality
- Improved campus-wide communication
- Better administrative decisions
- Evidence to celebrate successes (Bresciani, M.J.)

An Effective Assessment Program is

- *Integrated* - tied to the University mission and strategic goals.
- *Ongoing* - part of the ongoing business of the unit.
- *Implemented gradually* - become part of the University culture slowly, implemented carefully.
- *Multi-faceted* - uses multiple methods of assessment on multiple samples and at various points in the learning process.
- *Pragmatic* - practical with obvious implications to faculty and students.
- *Faculty-designed* and implemented.
- *Self-renewing* - data and information must feed back into the system, both on the University and unit level.

Assessment Is Not

- exclusively an administrative activity. Faculty, administrative staff and students must actively participate in assessment not just tolerate it.
- intended to punish individuals or programs honestly seeking to improve.
- an intrusion into a faculty member’s classroom, nor an infringement upon academic freedom.
- necessarily testing, however, testing can be part of assessment.
- quick or easy.
For assessment to be successful the process needs to:

1. Articulate the student learning goals
2. Gather evidence documenting student success in meeting the goals
   a. Direct measures such as exams, papers, projects, and performances
   b. Indirect measures such as self-reported satisfaction surveys or job and graduate school placement rates
3. Use of assessment results to effect change
ACADEMIC PROGRAMS

Mission Statement

Few topics are more likely to draw yawns from busy professionals than the development of a mission statement. So why is a mission statement the starting point for an assessment program? Let us consider the consequences of having no mission statement. In order to think about the outcomes that a program is meant to achieve, one needs to understand the purpose to which these outcomes are serving. Without a mission statement, faculty in the program may have different ideas of the purpose of the program and therefore be unable to reach consensus on the learning outcomes for the program. Students in the program may have ideas about the purpose of a program that differ from the actual mission of the program; the student's willingness to absorb important concepts may be lessened if the big ideas are not mutually understood or agreed upon. (Bridgewater State Assessment Guidebook)

Elements of a good mission statement:

- **Focus** – To what problem or need does the academic program respond?
- **Purpose** – Concise statement describing the end result unit seeks to accomplish.
- **Primary means** – By what means is the purpose accomplished?
- **Values** – Fundamental values, beliefs or guiding principles shared and practiced by department/unit members in daily interaction with others.

Some mission statements consist of a short sentence; some incorporate a list of goals; some are stated as a single purpose. Rather than adhere to a standardized format, mission statements should reflect the characteristics and preferences of the faculty in the program and teach the students what the program is striving to accomplish. The importance of the mission statement lies in its ability to provide the program with a clear statement of purpose. Thus, examples that are long and detailed may be overly prescriptive, but those that are too brief may lack direction. (Bridgewater State Assessment Guidebook)

Below are examples of program and department mission statements developed at TAMIU:

**Examples of Program Mission Statements:**

The Bachelor of Arts in History is a traditional liberal arts degree designed to provide a sound undergraduate education that helps prepare graduates to think critically, communicate effectively, and successfully transition to graduate school and/or the job market. In support of these goals, History program faculty are committed to 1) developing historical knowledge among our students; 2) fostering the development of critical thinking and writing skills; and 3) ensuring that our students are prepared for further study in history.

The Master of Arts in Political Science is designed to provide a learning environment in which graduate students may develop their own abilities to analyze and think critically about political ideas, events, and policies. The degree intends to prepare students for a wide range of activities such as teaching, scholarship, research, and public service.
The purpose of the Master of Science in Nursing degree program is to produce culturally competent nursing leaders who are prepared with role specialization as a family nurse practitioner.

**Examples of Department Mission Statements:**

The mission of the DIBTS-MGT is to prepare students for professional positions in the fields of general business, management, marketing, and international business.

The principal focus of the Educational Administration Academic Unit is to provide graduate students with quality instruction when obtaining a Master’s Degree in Educational Administration and full state certification in order to practice the school principalship and or the superintendent tendency. All graduates of the Master’s Degree Program in Educational Administration will have developed an in-depth theoretical and practical understanding in their field.

**Program Goals and Learning Outcomes**

Once faculty members articulate the mission of the program, they need to focus on specific student learning outcomes. How are learning outcomes different from program goals? The distinction is not always sharply defined, but generally the focus of learning outcomes is on what students will learn rather than on what will be taught. Thus, goals tend to focus on delivery (i.e. teaching), outcomes on effect (i.e. learning).

Consider the following questions as a guide for discussion:

1) What do we want students in our major to know?

2) What do we want our students to be able to do?

3) What values or attitudes (dispositions) do we want to instill in our students?

Multiple perspectives on learning are useful. Most importantly, learning outcomes should not be developed only by the faculty member “responsible for” assessment. Instead, conversations about the program’s learning outcomes should engage, as broadly as possible, other people invested in the success of the program’s students.

*Program goals* are intended outcomes of instruction, stated in general terms, further defined by a set of *specific* (observable and measurable) student learning outcomes (SLOs) and encompassing a *domain* of student performance (e.g., “Graduates of the program will analyze social policies and their impact on client systems in social work practice”). Program goals:

- clarify the types of learning expected from the instruction (i.e., knowledge, comprehension, performance skills, etc.).
- focus instruction to avoid concentrating on isolated and unrelated learning tasks.
- are general to allow flexibility in teaching methods and materials.
• provide a planning and assessment framework.
• provide a framework for interpreting assessment results.

Program goals are built upon the three basic categories of learning outcomes:

Program goals describe competencies that graduates should possess, know or be able to do after instruction that they did not know or could not do before.

► Cognitive outcomes - what students know.

* Knowledge is the ability to recognize and recall facts. Knowledge represents the lowest level of cognitive outcomes.
* Comprehension is the ability to grasp the meaning of material. Comprehension is the lowest level of understanding.
* Application is the ability to use learned material in new and concrete situations. Application requires a higher level of understanding than comprehension.
* Analysis is the ability to separate whole into parts to determine relationship. This is a higher intellectual level requiring understanding of content as well as structure of the content.
* Synthesis is the ability to combine elements to form a new entity. Synthesis stresses creative behaviors with emphasis on formulating new patterns or structure. This is a higher level cognitive outcome.
* Evaluation is the ability to make decisions or judgments based on criteria or rationale. Evaluation is the highest level of the cognitive domain and contains elements from all other categories with the addition of conscious value judgments.

► Affective - what students care about

* These outcomes concern an individual’s feelings and emotions regarding attitude, interests, preferences and adjustment.

► Performance outcomes - what students can do.

* Skilled performance: dancing, singing, instrument playing, speaking, reading, singing, etc.
* Higher level skills: creative skills (art), lab skills, communications skills, specialized performance skills (as in business, education)
* Critical thinking skills emphasize analysis and evaluation (e.g., identifying and analyzing a problem; evaluating possible solutions, etc.)
* Creative thinking skills emphasize production of something new (e.g., producing a plan for solving a problem)
Considerations in selecting program goals:

► Program goals should reflect institution-wide goals and the program’s mission.
► Goals should represent all (cognitive, affective, and behavioral) logical learning outcomes of the instructional area.
► Goals should be realistic and attainable by the students.
► Goals should coincide with basic principles of learning and should take into account:
  • \textit{Student readiness}: the necessary experiences and educational background to proceed successfully
  • \textit{Motivation}: the needs and interest of the students
  • \textit{Retention}: learning outcomes that tend to be retained longest such as comprehension, application, and thinking skills.
  • \textit{Transfer value}: reflect learning outcomes that are applicable to new situations and reflect realistic and complex learning tasks useful in real world situations.

Specific Learning Outcomes

\textit{A Specific Learning Outcome} is an intended outcome stated in terms of specific, observable and measurable student performance (e.g., “The student will analyze and interpret financial statements, and relate financial statements to policy and regulations”). Specific learning outcomes describe the performance learners will exhibit when the program has reached its goals.

Outcome statements provide the basis for assessment at the course, program, and institutional levels; provide direction for assessment activity; define the faculty expectations of students; and provide stakeholders with information about the educational experience in a given program or department.

\textbf{Statements of intended learning outcomes}: (Norfolk State University Assessment Manual)

• \textit{Are student-focused rather than instructor-focused}. Intended outcomes are formulated to focus on student learning, i.e. they describe what students should know, understand, or be able to do with their knowledge at the end of a program.
  \textbf{Poor}: “The program will include instruction in multimedia techniques”
  \textbf{Good}: “Graduates of the program will be able to use multimedia to prepare presentations”

• \textit{Focus on the learning resulting from an activity rather than on the activity itself}.
  \textbf{Poor}: “Students will study at least one non-literary genre of art”
  \textbf{Good}: “Students will arrive at an analytical and reasoned appreciation of a specific art form”
  “Students will be able to communicate the appreciation [of art] to others either in written or verbal form”

• \textit{Reflect state mandates and institutional expectations about learning}. Typically these expectations address the transferable or orthogonal competencies (e.g., writing,
critical thinking, leadership skills, quantitative reasoning). Departments and programs should reinforce these broad goals in the statements of expected learning outcomes and, subsequently, in the curricula.

- *Are reflected in program curriculum and translated into course specific objectives.* A good practice is to ask instructors to state explicitly in each course syllabus the program level goals and outcomes addressed in that course.

- *Focus on important, non-trivial aspects of learning that are credible to the public.* One pitfall to avoid in formulating intended outcomes is focusing on easy-to-measure, but relatively unimportant outcomes. This can happen when learning outcomes are developed by carving up the content of the discipline into smaller pieces. The focus of learning outcomes is not on less content but rather is on what students can do with the content they have learned.
  
  **Poor:** “Students will recall the stages of mitosis”
  
  **Good:** “Students will be able to reason effectively by using simplified economic models such as supply and demand, marginal analysis, benefit-cost analysis, and comparative advantage”

- *Are general enough to capture important learning but clear and specific enough to be measurable.* For example, the outcome, “Students will be able to solve problems,” gives little guidance for assessment. In contrast, the outcome “Students will work effectively with others on complex, issue-laden problems requiring holistic problem solving approaches,” can be assessed by developing assessments that require teams of students to develop solutions to complex, issue-laden problems, as defined by the discipline. They can, then, be judged on the effectiveness of their team skills, the quality of their solution, and their ability to use holistic problem solving approaches.
  
  **Poor:** “Students will be able to solve problems”
  
  **Good:** “Students will work effectively with others on complex, issue-laden problems requiring holistic problem solving approaches”

- *Are effectively worded.* Use action verbs that describe definite, observable actions. Faculty members should select those verbs that (i) most clearly convey instructional intent and (ii) most precisely specify the student performance the program is willing to accept as evidence that the general instructional goal has been achieved. Include a description under which the action takes place – “when given x, the student will be able to…” and indicate an appropriate level of competency that is assessable through one or more indicators.
# CRITICAL AND CREATIVE THINKING – BLOOM’S TAXONOMY
## COGNITIVE DOMAIN- SUGGESTED VERBS TO USE BY LEVEL

<table>
<thead>
<tr>
<th>Level of Learning</th>
<th>Description</th>
<th>Verbs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Knowledge</strong></td>
<td>The ability to recognize and recall facts. Knowledge represents the lowest level of learning outcomes.</td>
<td>collect, copy, count, define, describe, draw, enumerate, examine, identify, label, list, match, memorize, name, outline, point, quote, read, recall, recite, recognize, record, relate, repeat, reproduce, retell, select, show, state, tabulate, tell, write</td>
</tr>
</tbody>
</table>

Examples of knowledge: vocabulary, events, dates, places

| **Comprehension** | The ability to grasp the meaning of material. Comprehension is the lowest level of understanding. | associate, change, cite, compare, compute, construct, contrast, convert, decode, defend, define, describe, differentiate, discriminate, discuss, distinguish, estimate, explain, express, extend, extrapolate, generalize, give examples, group, identify, illustrate, infer, interpret, locate, order, paraphrase, predict, recognize, report, restate, review, rewrite, solve, summarize, tell, trace |

Examples of comprehension: translating materials, understanding facts and principles, infer cause and consequence

| **Application**   | The ability to use learned material in new and concrete situations. Application requires a higher level of understanding than comprehension. | act, add, administer, apply, articulate, calculate, change, chart, classify, complete, compute, construct, demonstrate, determine, develop, discover, divide, dramatize, employ, establish, examine, experiment, graph, illustrate, interpolate, interpret, manipulate, modify, operate, organize, practice, predict, prepare, produce, relate, report, schedule, show, sketch, solve, subtract, teach, transfer, translate, use |

Examples of application: solve mathematical problems, apply concepts, use information in new situations
<table>
<thead>
<tr>
<th>Level of Learning</th>
<th>Description</th>
<th>Verbs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Analysis</strong></td>
<td>The ability to separate whole into parts to determine relationship. This is a higher intellectual level requiring understanding of content as well as structure of the content.</td>
<td>analyze, appraise, arrange, breakdown, calculate, classify, combine, compare, connect, contrast, correlate, criticize, debate, deduce, design, detect, determine, develop, diagram, differentiate, discriminate, distinguish, divide, examine, experiment, explain, focus, identify, illustrate, infer, inspect, interpret, inventory, order, outline, point out, prioritize, question, relate, select, separate, subdivide, test, translate, utilize</td>
</tr>
<tr>
<td><strong>Examples of analysis:</strong></td>
<td>recognize and explain patterns, analyze relationship between parts</td>
<td></td>
</tr>
<tr>
<td><strong>Synthesis</strong></td>
<td>The ability to combine elements to form a new entity. Synthesis stresses creative behaviors with emphasis on formulating new patterns or structure. This is the highest level of understanding.</td>
<td>adapt, anticipate, arrange, assemble, categorize, collaborate, combine, compile, compose, conceive, construct, create, design, devise, drive, establish, explain, express, facilitate, formulate, generalize, generate, group, integrate, intervene, invent, make, manage, modify, negotiate, order, organize, originate, plan, predict, prepare, prescribe, propose, rearrange, reconstruct, reinforce, relate, reorganize, revise, rewrite, set up, specify, speculate, structure, substitute, summarize, synthesize, tell, transform, validate, write</td>
</tr>
<tr>
<td><strong>Examples of synthesis:</strong></td>
<td>create new ideas, propose plans, integrate learning to solve problems</td>
<td></td>
</tr>
<tr>
<td><strong>Evaluation</strong></td>
<td>The ability to make decisions or judgments based on criteria or rationale. Evaluation is the highest level of the cognitive domain and contains elements from all other categories with the addition of conscious value judgments.</td>
<td>appraise, ascertain, assess, choose, compare, conclude, contrast, convince, criticize, critique, decide, defend, determine, discriminate, estimate, evaluate, explain, grade, interpret, judge, justify, measure, persuade, rank, rate, reframe, relate, resolve, revise, score, select, summarize, support, test, validate, value, write</td>
</tr>
<tr>
<td><strong>Examples of evaluation:</strong></td>
<td>critique ideas, make recommendations, assess value and make choices</td>
<td></td>
</tr>
</tbody>
</table>
**Curriculum Mapping**

Curriculum mapping evaluates the program/department curriculum in relation to intended outcomes to ensure that students receive instruction in the appropriate order and are provided with enough repetition to achieve learning outcomes. Curriculum mapping enables the program/department to identify gaps in the curriculum and provides an overview of the accomplishments of each course. An example is provided below:

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>3300</th>
<th>3305</th>
<th>3310</th>
<th>3320</th>
<th>3322</th>
<th>4330</th>
<th>4350</th>
<th>4360</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Communication graduates will successfully write an essay that demonstrates their theoretical knowledge, research and writing skills while analyzing a practical topic or professional problem.</td>
<td>I</td>
<td>I</td>
<td>I</td>
<td>I</td>
<td>I</td>
<td>E, R, A</td>
<td>E, R, A</td>
<td>E, R, A</td>
</tr>
</tbody>
</table>

Introduced=I, Emphasized=E, Reinforced=R, Applied=A
ADMINISTRATIVE AND EDUCATIONAL SUPPORT UNITS

Administrative and educational support units provide essential services to the institution and to students. Administrative units do not impact instructional programs directly and include units such as Budget/Payroll/Grants/Contracts, Physical Plant and Receiving. Educational support units directly contribute to student learning and include units such as the Killam Library, Programs for Academic Support and Enrichment and the Writing Center. These services are student-centered and are essential to the overall learning environment at TAMIU.

As part of the assessment process, Administrative and Educational Support (AES) units develop a mission statement that supports the Institutional Mission.

Mission Statement

Elements of a good mission statement:

- **Focus** – To which need does the AES unit respond?
- **Purpose** – Concise statement describing the end result the unit seeks to accomplish.
- **Primary means** – By what means is the purpose accomplished?
- **Values** – Fundamental values, beliefs or guiding principles shared and practiced by unit members in daily interaction with others.

Unit Outcomes

*Unit outcomes* are intended outcomes, stated in general terms, further defined by a set of *specific* (observable and measurable) student outcomes/objectives. Unit outcomes should target the area or service staff believes can be improved using current resources and personnel and are assessable within one assessment cycle. The unit outcomes chosen should be under the direct control of the unit and be related to a University Strategic Plan goal, objective and strategy.

Unit outcomes for administrative units are primarily process oriented describing the support process/service the unit intends to address. Examples include:

- The Comptroller/Business Office will promptly process vendor invoices
- Transcript requests submitted to the University Registrar will be completed and returned promptly
- Human Resources will recruit and retain quality staff
- The Killam Library will provide adequate collections to support university programs

Unit outcomes for educational support units may include both process and student outcomes. Examples of student outcomes include:

- Students will prepare an acceptable resume for potential employers
- Students will be able to use the library’s reference services efficiently
- Students will improve their writing skills through use of the Writing Center
GENERAL ASSESSMENT INFORMATION

Identifying Appropriate Assessment Methods

There are two basic ways to assess student learning:

(1) Direct assessment is based on analysis of student behaviors or products in which they demonstrate how well they have mastered learning outcomes. Examples of direct assessment include:
   - Published tests
   - Locally-developed tests
   - Embedded assignments
   - Portfolios

(2) Indirect assessment is based on analysis of reported perceptions about student mastery of learning outcomes. The perceptions may be self-reports by students or reports made by others, such as alumni, fieldwork supervisors, employers or faculty. Examples of indirect assessment include:
   - Surveys
   - Interviews
   - Focus Groups

(From Mary J. Allen, *Assessing Academic Programs in Higher Education*)

There should be at least one method for assessing each outcome; however, multiple means of assessment should be used whenever feasible. Assessment methods must gather evidence closely related to the intended outcomes. Choose means of assessment that

- answer important questions
- follow identified “good practices”
- are manageable
- result in feedback highlighting accomplishments
- identify areas requiring attention

The following table provides information on a variety of assessment methods.
# Assessment Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni Survey</td>
<td>Surveying alumni provides information on program satisfaction, career preparation, what jobs/graduate degrees majors have obtained, starting salaries, and skills needed to succeed in the job market/graduate study. Surveys provide opportunities to collect data on program areas that should be changed, altered, improved or expanded.</td>
<td>Alumni surveying is relatively inexpensive and offers the opportunity for improving/continuing relationships with program graduates.</td>
<td>Contact information must be up-to-date and accessible to get an acceptable response. Developing an effective survey is time-consuming.</td>
</tr>
<tr>
<td>Culminating Assignments</td>
<td>These may include capstone course(s), performance portfolios, internship, or theses that offer students the opportunity to apply knowledge and skills acquired in the major, provide a final common experience, and offer faculty a way to assess student achievement. Culminating assignments are usually taken the semester before graduation.</td>
<td>Culminating assignments are used to collect data on student learning in a specific major, general education or core requirement.</td>
<td>A comprehensive capstone course and appropriate assessment methods may be difficult to develop.</td>
</tr>
<tr>
<td>Course-Embedded Assessment</td>
<td>Course-embedded assessment refers to methods of assessing student learning within the classroom environment, using course goals, objectives and content to gauge the extent of the learning that is taking place. This technique generates information about what and how students are learning within the program and classroom environment, using existing information that instructors routinely collect (test performance, short answer performance, quizzes, essays, etc.) or through assessment instruments introduced into a course specifically for the purpose of measuring student learning.</td>
<td>This method of assessment is often effective and easy to use because it builds on the curricular structure of the course and often does not require additional time for data collection since the data comes from existing assignments and course requirements.</td>
<td>Course-embedded assessment does, however, take some preparation and analysis time and, while well documented for improving individual courses, there is less documentation on its value for program assessment.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
<td>Strengths</td>
<td>Weaknesses</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Curriculum Analysis</strong></td>
<td>Curriculum analysis involves a systematic review of course syllabi, textbooks, exams, and other materials to help clarify learning objectives, explore differences and similarities between course sections, and/or assess the effectiveness of instructional materials. It offers a way to document which courses will cover which objectives and helps in sequencing courses within a program. Also see Matrices.</td>
<td>Using curriculum analysis as an assessment tool can be a valuable way of tracking what is being taught where. It can provide assurance that specific learning goals and objectives are being covered in the program and can pinpoint areas where additional coverage is needed.</td>
<td>This method, however, can be time-consuming, particularly in large departments with many courses and different instructors, and there may be little consistency between how learning objectives are addressed in one course and how they are taught in another.</td>
</tr>
<tr>
<td><strong>Delphi Technique</strong></td>
<td>The Delphi technique elicits information and judgments from participants to facilitate problem-solving, planning, and decision-making. Contributors may not meet physically but may exchange information via mail, FAX, or email. The technique takes advantage of participants’ creativity as well as the facilitating effects of group involvement and interaction. It is structured to capitalize on the merits and minimize liabilities of group problem-solving.</td>
<td>The Delphi technique can be useful in bringing together diverse opinions in a discussion forum.</td>
<td>This technique fails, however, when the facilitator lacks objectivity or when the participants feel unsafe or insecure in voicing their real opinions. For this technique to succeed, care must be taken to appoint an impartial facilitator and to convince participants that differing opinions are welcome.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
<td>Strengths</td>
<td>Weaknesses</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Employer Survey</td>
<td>Employer surveys help determine if graduates have the necessary job skills. Such surveys may indicate other skills employers’ value that graduates are not acquiring as well as information about the curriculum, programs and student outcomes that other methods cannot.</td>
<td>Employer surveys provide external data and help faculty and students identify the relevance of educational programs.</td>
<td>Ambiguous, poorly worded questions will generate problematic data. Data collected may provide valuable information on current opinion but may not provide enough detail to make decisions. It may be difficult to determine who should be surveyed, and obtaining an acceptable response rate can be costly and time intensive.</td>
</tr>
<tr>
<td>Focus Groups</td>
<td>Focus groups are in-depth qualitative interviews with a homogeneous group of 6-10 individuals brought together by a moderator to discuss a specific issue and emphasizing insights and ideas.</td>
<td>Focus groups provide data about participants’ experiences, attitudes, views and suggestions in a nurturing environment. These groups allow a small number of individuals to discuss a specific topic in detail, in a non-threatening environment.</td>
<td>The number of questions may be limited; data collected is not useful for quantitative results. Moderators must be well trained and highly skilled.</td>
</tr>
<tr>
<td>Institutional Data</td>
<td>A variety of student data are routinely collected. Data can track program history, student academic progress and graduation and retention rates.</td>
<td>Data are easily accessible and readily available through Institutional Research and on the University web page. Data offer both current and longitudinal information.</td>
<td>Data sets may be large and difficult to sort through. The information collected is general (age, gender, race, etc.) and may not directly relate to program goals and objectives.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
<td>Strengths</td>
<td>Weaknesses</td>
</tr>
<tr>
<td>---------------------</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Matrices</td>
<td>A matrix is a grid of rows and columns used to organize information. A matrix may be used to summarize relationships between program objectives, course syllabus objectives, course assignments, or courses in a program; for curriculum review, to select assessment criteria or for test planning; or to compare program outcomes to employer expectations.</td>
<td>A matrix can provide an overview of how course components and curriculum link to program objectives, can help tailor assignments to program objectives, and can lead to discussions that in turn lead to appropriate changes in courses or curricula.</td>
<td>A matrix can provide a clear picture of how program components are interconnected and also reveal where they are not. Acknowledging and responding to disconnects may involve serious discussion, flexibility and willingness to change.</td>
</tr>
<tr>
<td>Performance Assessment</td>
<td>Performance assessment is linked to the curriculum and uses real samples of student work to assess skills and knowledge. Student work includes class assignments, auditions, recitals, projects, presentations and similar tasks. Performance Assessment requires students to use critical thinking and problem-solving skills within a context relevant to their field/major; is rated by faculty and assessment data collected; and provides students with feedback on the performance evaluation.</td>
<td>Performance assessment can yield valuable insight into student learning; provides students with comprehensive information on improving their skills; strengthens faculty-student communication; and increases the opportunity for students’ self-assessment.</td>
<td>Performance assessment is labor-intensive and may be an additional burden for faculty and students. Skills to be examined and specifying evaluation criteria may be difficult and time-consuming.</td>
</tr>
<tr>
<td>Portfolios</td>
<td>Portfolios are collections of student work over time to demonstrate student growth and achievement. Portfolios may be used for certification, licensure, or external accreditation reviews. Portfolios may contain: research papers, process reports, tests and exams, case studies, audiotapes, personal essays, journals, self-evaluations and computational exercises.</td>
<td>Portfolios can be valuable resources when students apply to graduate school or employment. Portfolios encourage students to take greater responsibility for their work.</td>
<td>Portfolios may be costly and time-consuming; require extensive effort for both students and faculty; and may be difficult to assess and store.</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
<td>Strengths</td>
<td>Weaknesses</td>
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<tr>
<td>------------------------</td>
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</tr>
<tr>
<td>Pre-test / Post-test</td>
<td>Locally developed tests and exams administered at the beginning and end of a course or program to monitor student progress and learning. Results identify areas of skill deficiency and track improvement within the time frame.</td>
<td>Pre- and post-tests can effectively collect information on students upon entry and exit of a program/course and can assess student knowledge quickly to allow comparisons between different student groups or the same group over time.</td>
<td>Pre- and post-tests require time to develop and administer. Tests should measure what they are intended to measure over time; in line with program learning objectives and have consistency in test items, administration and application of scoring standards.</td>
</tr>
<tr>
<td>Evaluation (Direct)</td>
<td></td>
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<tr>
<td>Reflective Essays</td>
<td>Reflective essay assignments invite students to reflect on some aspect of their university experience. Essays can be administered in a number of ways and can collect feedback about specific programs or about the entire campus.</td>
<td>Reflective essays can be flexible in format, can be conducted relatively quickly, and can provide insights about student’s experiences, attitudes, and perspectives.</td>
<td>Responses can be difficult and time consuming to analyze; conclusions may not be accurate because what people say they do or know may be inconsistent with what they actually do or know.</td>
</tr>
<tr>
<td>(Indirect)</td>
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<tr>
<td>Rubrics</td>
<td>Rubrics can be used to classify a variety of products, such as essays, research reports, portfolios, recitals, and group presentations. They can be used to provide formative feedback to students, to grade students, and to assess programs. There are two types of rubrics: Holistic rubrics involve one global judgment, while Analytical rubrics involve a series of judgments, each assessing a separate characteristic of the product.</td>
<td>Notifies students of expectations and provides a common language between the faculty member and the student.</td>
<td>May be time-consuming to create and to score.</td>
</tr>
<tr>
<td>(Direct)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Standardized and Local</td>
<td>Standardized instruments (developed outside the institution and applied to a large group of students using national/regional norms and standards) or locally-developed assessment tools (created within the institution/program/department for internal use) may be selected depending on specific needs and available</td>
<td>Local test instruments are directly linked to local curriculum and can assess student performance on a set of local criteria. Standardized tests can be administered immediately and thus less expensive than</td>
<td>Developing a local tool along with a scoring key/method is time-consuming. Performance cannot be compared to state or national norms. Standardized measures may not relate to local curricula and costs can be substantial. Test results</td>
</tr>
<tr>
<td>Method</td>
<td>Description</td>
<td>Strengths</td>
<td>Weaknesses</td>
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<tr>
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<td>-----------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>(Direct)</td>
<td>resources. Knowing what to measure is key to successful selection of standardized instruments. It is also important to administer the assessment to a representative sample to develop local norms and standards. Locally-developed test instruments can be tailored to measure local needs regarding specific performance expectations for a course or group of students.</td>
<td>developing and creating local tests. Results can be tracked and compared to norm groups and subjectivity/misinterpretation is negligible.</td>
<td>may not contain locally-relevant information to be useful.</td>
</tr>
<tr>
<td>Student Surveys and Exit Interviews (Indirect)</td>
<td>Surveys and interviews ask students to respond to a series of questions/statements about their academic experience. Questions can be open-ended or close-ended. Surveys and interviews can be written or oral. Survey types include in-class, mail or telephone questionnaires/interviews. Interviews may be structured as in-person interviews or focus group interviews.</td>
<td>Surveys can be inexpensive and easy to administer and are best suited for short and non-sensitive topics. They can be used to track opinions. Data is easy to collect and tabulate. An interview can explore topics in-depth and collect rich data.</td>
<td>Items may be ambiguous and poorly written and not generate enough detail for decision making. Information may be distorted if the respondent feels a lack of privacy and anonymity. The success of interviews depends on the skills of the interviewer.</td>
</tr>
<tr>
<td>Syllabus Analysis (Indirect)</td>
<td>Syllabus analysis (review of textbooks, exams and curricular material) involves review of current course syllabus (written or oral assignments, readings, class discussions/projects and student learning outcomes) to determine if the course is meeting the goals/objectives of the instructor/department.</td>
<td>Used learning objectives need to be clarified; explore differences and similarities between course sections; or assess the effectiveness of instructional materials. Syllabus analysis can provide information to enhance assessment plans.</td>
<td>The review is time consuming and may result in inconsistency in collecting and analyzing the data when there is more than one reviewer.</td>
</tr>
</tbody>
</table>
Method Selection

When selecting a means of assessment consider the following:

- Assessment tools should evaluate intended outcomes
- Means of assessment should yield viable information
- Use currently available information: enrollment in majors, institution-wide survey results and alumni information
- Select methods that will assess multiple outcomes
- Coordinate assessment efforts with other departments, the University Assessment Committee, and the Office of Institutional Effectiveness and Planning to optimize use of time and resources

Frequency of Administration

After a method of assessment has been selected, an administration schedule should be developed. Assessments may be conducted daily (counts of clients served), by semester (standardized or locally developed exams) or annually (Student Opinion Survey). Allow sufficient time for the administration of the instrument, data collection, data analysis and implementation to comply with the AIER report deadline.

Criteria/Benchmark

A critical step in the establishment of an assessment plan is that of identifying a reasonable level of performance/improvement given the resources and personnel available. In academic programs, department faculty should lead discussions regarding program expectations and be directly involved in the establishment of criteria. In AES units, each staff member should be involved in the identification of objectives and the establishment of criteria for success. Establishing a specific indicator for success creates a common target for faculty and staff and motivation for program/unit improvement.

The criteria/benchmark for success should be stated in terms of percentages, percentiles, averages or other quantitative measures. Establish a reasonable benchmark. Avoid using absolutes such as 100%, zero, and all when establishing criteria. If using percentages, the criteria should be no less than 80%.

All programs/units are expected to conduct assessment activities, analyze results, and document the use of results for improvement of programs and services to stakeholders.
REPORTING TEMPLATES

The Annual Institutional Effectiveness Review (AIER) templates provide a single source that documents the institutional effectiveness process and links the Institutional Mission, strategic goals, assessment outcomes and resulting budgetary allocations. The three components are:

Section I: Planning and Implementation which includes:

Specific learning outcomes – what is the relationship to institutional mission and goals?
Methods of Assessment and Frequency of Administration – what methods will be used and when will they be administered?
Criteria or benchmark for success – what will indicate that the outcome has been achieved?

Section II: Analysis of Results which includes:

Analysis of results – who will analyze, review and report data as well as recommendations for changes?

Section III: Programmatic Review which includes:

Impact of budget decisions – how did budget decisions impact the program/division?
Outcomes for the next cycle – what are the new or modified outcomes for the next cycle?

Each of the University’s academic and AES units conduct assessment activities and submitted assessment reports. The reporting cycle is based on the calendar year (January through December).

An example of the template for both types of AIER reports and checklists, academic degree program and administrative/educational support unit, follow.
The Annual Institutional Effectiveness Review for Academic Programs is directed at Goal 1: Academics of the Texas A&M International University 2006-2010 Strategic Plan:

Develop, maintain, assess, and improve academic programs, administrative/educational support services and student services, to admit, retain, and graduate students who achieve established learning outcomes designed to prepare them for success in their chosen careers.

**Institutional Mission**

Texas A&M International University, a Member of The Texas A&M University System, prepares students for leadership roles in their chosen profession in an increasingly complex, culturally diverse state, national, and global society … Through instruction, faculty and student research, and public service, Texas A&M International University embodies a strategic point of delivery for well-defined programs and services that improve the quality of life for citizens of the border region, the State of Texas, and national and international communities.

**Academic Program Mission**

Enter text here

**Provide summary of the last cycle’s use of results and changes implemented**

Program faculty should evaluate the former cycle. This statement should specify if the outcomes addressed were a continuation of previous ones, new outcomes, or modified versions of previous outcomes. In addition, the statement should include a concise analysis of the assessment data collected during the previous year, a brief explanation of actions taken to address specific outcomes, an evaluation of how these actions contributed to the improvement of the program, and any recommendations
formulated. Assessment data—including actual samples of student work—must be viewed and discussed by program faculty during this process.

Selected list of program-level intended student learning outcomes (It is recommended that programs rotate through their entire set of outcomes over a multi-year period. Programs may focus on one or two outcomes each year, as deemed appropriate).

1. 
2. 
3. 
4. 
5.

Section I: Planning and Implementation

Outcome(s)
Identify the outcome(s) that will be focused upon this year.

Enter text here

Please indicate if the outcome(s) is (are) related to writing (QEP).

Methods of assessment to be used: The explanation should identify and describe the type of assessment(s) that will be used (e.g., survey, questionnaire, observation instrument, test, rubric to evaluate performance, standardized examination, action research, interviews, etc.), who will provide the information, and how the data will be obtained.

Enter text here

Indicate when assessment(s) will take place

Criteria/Benchmark(s): [Specify, if deemed appropriate to assess outcome(s). Criteria/ benchmark(s) may be optional, especially if qualitative measures are used for data collection.]

Enter text here
Section II: Analysis of Results

What were the results attained?
Describe the primary results or findings from your analysis of the information collected. This section should include an explanation of any strength(s) or weakness(es) of the program suggested by the results.

Enter text here

What were the conclusions reached?

Should include a brief description of the procedure used for reaching the conclusion(s) based on the evidence collected and describe the process used to disseminate the information to other individuals. For example, if the discussion took place during the annual spring retreat, include a summary from those deliberations using the Meeting Minutes template found on the Project Integrate web page at http://www.tamiu.edu/integrate/docs/Minutes-Template.doc. Once completed, submit the minutes to assessment@tamiu.edu.

Enter text here

Describe the action plan formulated. (The plan may be multi-year in nature.)
Based on the conclusion(s), describe the action plan to be implemented to improve or maintain student learning, including a timeline for implementation.

Enter text here
Resource(s) to implement action plan:

Describe the resources that will be needed to implement the action plan. Also indicate if the resources are currently available, or if additional funds will be needed to obtain these resources.

Funding
- □ New Resources Required
- □ Reallocation of current funds

Physical
- □ New or reallocated space

Other
- □ Primarily faculty/staff time
- □ University/rule procedure change only

Provide a narrative description and justification for requested resources (include linkage to Strategic Plan)

Enter text here

Identify proposed outcomes for the next assessment cycle:

Continuation of present outcome(s) – (Indicate reason for continuation):

Enter text here

New Outcome(s) – (List outcomes below):

Enter text here

Modification of present outcome(s) – (Indicate reason for modification):

Enter text here

Updated 07/30/2008
Texas A&M International University  
Annual Institutional Effectiveness Review (AIER)  
for Administrative or Educational Support Units

Unit Name:  

Unit Type:  
  ___ Administrative Unit  ___ Educational Support Unit

Assessment Period Covered:  

Unit Coordinator (Preparer of Report):  

List Other Report Contributors (if applicable):  

The annual review is directed at the following goals of the Texas A&M International University 2006-2010 Strategic Plan. Please list goals below:  

Institutional Mission
Texas A&M International University, a Member of The Texas A&M University System, prepares students for leadership roles in their chosen profession in an increasingly complex, culturally diverse state, national, and global society … Through instruction, faculty and student research, and public service, Texas A&M International University embodies a strategic point of delivery for well-defined programs and services that improve the quality of life for citizens of the border region, the State of Texas, and national and international communities.

Administrative or Educational Support Unit Mission

Provide summary of the last cycle’s use of results and changes implemented
This statement should specify if the outcomes addressed were a continuation of previous ones, new outcomes, or modified versions of previous outcomes. In addition, the statement should include a concise analysis of the assessment data collected during the previous year, a brief explanation of actions taken to address specific outcomes, an evaluation of how these actions contributed to the improvement of the unit, and any recommendations formulated. Assessment data must be viewed and discussed by the unit during this process.
List of unit-level outcomes
It is recommended that units rotate through their entire set of outcomes over a multi-year period. Units may focus on one or two outcomes each year, as deemed appropriate.

1. 
2. 
3. 
4. 
5. 
6.

Section I: Planning and Implementation

Outcome(s)
Identify the outcome(s) that will be focused upon this year.

Methods of assessment to be used:
Identify and describe the type of assessment(s) that will be used and how the data will be obtained. During this assessment period, has your unit used any of the following measures for assessment of outcomes? Indicate “Y” if currently being used; “N” if not currently being used but interested in using; and “NA” if not applicable.

<table>
<thead>
<tr>
<th>Type of Measure</th>
<th>Y</th>
<th>N</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume of Activity:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Number of clients served, circulation data, etc.)</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficiency:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Turnaround time for filling requests, timely service or prompt response, etc.)</td>
<td></td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Service Quality:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Error rates, accuracy of information provided, etc)</td>
<td></td>
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<tr>
<td>Client Satisfaction Survey:</td>
<td></td>
<td></td>
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<tr>
<td>(Student, employer, alumni, customer, etc.)</td>
<td>N</td>
<td></td>
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<tr>
<td>Feedback:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>(Suggestion box, focus groups, evaluation forms, etc.)</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Review of existing data:
(Routine records or reports, institutional data, audits, etc.)

<table>
<thead>
<tr>
<th>Staff discussions or evaluations of services to clients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standards/guidelines provided by professional associations</td>
</tr>
<tr>
<td>Standards set by federal, state, county, city or system regulations</td>
</tr>
<tr>
<td>External evaluations or auditors</td>
</tr>
<tr>
<td>Benchmarks or comparisons with peer institutions</td>
</tr>
<tr>
<td>Other</td>
</tr>
</tbody>
</table>

**Criteria/Benchmark(s):**
Specify, if deemed appropriate to assess outcome(s). Criteria/ benchmark(s) may be optional, especially if qualitative measures are used for data collection.

---

**Section II: Analysis of Results**

**What were the results attained?**
Describe the primary results or findings from your analysis of the information collected. Were the results used to improve the unit services or operations? Please specify:

---

**What were the conclusions reached?**
Include a brief description of the procedure used for reaching the conclusion(s) based on the evidence collected and describe the process used to disseminate the information to other individuals. For example, if the discussion took place during the annual retreat, include a summary from those deliberations using the Meeting Minutes template found on the Project Integrate web page at [http://www.tamiu.edu/integrate/docs/Minutes-Template.doc](http://www.tamiu.edu/integrate/docs/Minutes-Template.doc). Once completed, submit the minutes to assessment@tamiu.edu.
Describe the action plan formulated. (The plan may be multi-year in nature.)
Based on the conclusion(s), describe the action plan to be implemented to improve or maintain unit services and operations, including resources needed and a timeline for implementation.

Section III: Resources

Resource(s) to implement action plan:
Describe the resources that will be needed to implement the action plan. Also indicate if the resources are currently available, or if additional funds will be needed to obtain these resources.

Funding
☐ New Resources Required
☐ Reallocation of current funds

Physical
☐ New or reallocated space

Other
☐ Primarily faculty/staff time
☐ University rule/procedure change only

Provide a narrative description and justification for requested resources (include linkage to Strategic Plan – or Compact, if relevant)

Identify proposed outcomes for the next assessment cycle:

Continuation of present outcome(s) – (Indicate reason for continuation):

New Outcome(s) – (List outcomes below):

Modification of present outcome(s) – (Indicate reason for modification):

Date Completed:

Submit completed form to integrate@tamiu.edu.

Updated 2009
Academic Program AIER Evaluation Checklist

Note: Plans needing clarification will be returned to the unit for response and/or revision.

| Program Name: |  |
| Reviewed by DAC Members: |  |
| Reviewed by UAC Members: |  |
| Date of DAC Review | Date of UAC Review | Date of UAC Approval |

Section I: Planning and Implementation

1. Does the college/program mission clearly link to the Institutional Mission?  
   Comment:  
   Yes | No | N/A  

2. Does the college/school mission clearly link to the institutional mission statement?  
   Comment:  
   Yes | No | N/A  

3. Is the summary information from last year’s cycle included?  
   Comment:  
   Yes | No | N/A  

4. Is there a student learning outcome related to writing (Write-On TAMIU)?  
   Comment:  
   Yes | No | N/A  

5. Do the student learning outcomes measure what students should know and do?  
   Comment:  
   Yes | No | N/A  

6. Are the student learning outcomes:  
   Appropriate to the program?  
   Measurable/quantifiable?  
   Comment:  
   Yes | No | N/A  

7. Do the assessment methods include direct measures?  
   Comment:  
   Yes | No | N/A  

8. Do the assessment methods include indirect measures?  
   Comment:  
   Yes | No | N/A  

9. Are the assessment methods appropriate for the outcomes to be evaluated?  
   Comment:  
   Yes | No | N/A  

10. Do the assessment methods provide information for program improvement?  
    Comment:  
    Yes | No | N/A  

11. Are criteria identified for each outcome?  
    Comment:  
    Yes | No | N/A
### Section II: Analysis of Results

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Was analysis of data conducted and results shared with multiple audiences?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comment:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>13. Is there sufficient information to determine if student learning outcomes have been achieved?</td>
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<tr>
<td>Comment:</td>
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<tr>
<td>14. Do the results provide information for data-based decisions for improvement?</td>
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<td>Comment:</td>
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<tr>
<td>15. Do the results support the conclusions reached?</td>
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<tr>
<td>Comment:</td>
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<tr>
<td>16. Are the proposed changes based on assessment results?</td>
<td></td>
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<tr>
<td>Comment:</td>
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<tr>
<td>17. Is an action plan provided?</td>
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<tr>
<td>Comment:</td>
<td></td>
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<td></td>
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</tbody>
</table>

### Section III: Programmatic Review

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>18. Are results of assessment used to support resource requests?</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Comment:</td>
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<td></td>
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<tr>
<td>19. Is justification provided for the resources requested?</td>
<td></td>
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<tr>
<td>Comment:</td>
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<td></td>
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<tr>
<td>20. Have student learning outcomes to be addressed in the next cycle been identified?</td>
<td></td>
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<tr>
<td>Comment:</td>
<td></td>
<td></td>
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</tbody>
</table>

**Additional Comments (Expand table as needed):**
Administrative/Educational Support (AES) Unit
AIER Evaluation Checklist

Note: Plans needing clarification will be returned to the unit for response and/or revision.

<table>
<thead>
<tr>
<th>AES Unit Name:</th>
<th>Reviewed by DAC Members:</th>
<th>Reviewed by UAC Members:</th>
<th>Date of DAC Review</th>
<th>Date of UAC Review</th>
<th>Date of UAC Approval</th>
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Section I: Planning and Implementation

1. Are Strategic Plan goals and objectives identified?
   Comment:

2. Does the unit mission clearly link to the Institutional Mission?
   Comment:

3. Is the summary information from last year’s cycle included?
   Comment:

4. Are the unit outcomes:
   - Appropriate to the unit?
   - Measurable/quantifiable?
   Comment:

5. Do the assessment methods include direct measures?
   Comment:

6. Do the assessment methods include indirect measures?
   Comment:

7. Are the assessment methods appropriate for the outcomes to be evaluated?
   Comment:

8. Are the assessment methods feasible in terms of design, time and resources?
   Comment:

9. Are criteria identified for each outcome?
   Comment:
### Section II: Analysis of Results

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<th>Yes</th>
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<td>10. Was analysis of data conducted and results shared with multiple audiences?</td>
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<td>11. Is there sufficient information to determine if outcomes have been achieved?</td>
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<td>12. Do the results provide information for data-based decisions for unit improvement?</td>
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<td>13. Do the results support the conclusions reached?</td>
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<td>14. Are the proposed changes based on assessment results?</td>
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### Section III: Programmatic Review

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<td>16. Are results of assessment used to support resource requests?</td>
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<td>17. Is justification provided for the resources requested?</td>
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<td>18. Have outcomes to be addressed in the next cycle been identified?</td>
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**Additional Comments (Expand table as needed):**

**Updated August 11, 2009**
Sharing Results

To communicate results effectively, consider the following:

► **Integration**
  Results should be presented in relation to program goals and student learning outcomes. Recommendations should be developed based on data analysis and within a framework to accomplish these changes.

► **Communicate assessment results frequently**
  Conducting and reporting assessment is a predictor of the effectiveness of assessment.

► **Know your audience**
  Identify decision makers and ensure they receive appropriate information. Know the types of information and reports decision makers prefer.

► **Become familiar with and understand the data and what it can mean**

Using Assessment Information

Results of assessment should be used to make changes to: the program assessment process by restructuring the goal or outcome statement, revising the data collection or conducting a more thorough analysis; the operation or academic process by revising admission criteria, advising processes, streamlining course offerings or including technology in the program; the curriculum by revising course pre/co-requisites, course content, and adding or deleting courses.
ASSESSMENT RESOURCES


## APPENDIX A - ASSESSMENT METHODS IN USE AT TAMIU

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<th>Alumni Survey</th>
<th>Applied Music Juries</th>
<th>Capstone Course</th>
<th>Comp Exam-Grad Students</th>
<th>Ext Review - Internship</th>
<th>Final Exam w/emb questions</th>
<th>Graduating Senior Survey</th>
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