

Program Assessment Plan
 American University
 Academic Program: CAS: Audio Technology - BS

Academic Program: CAS: Audio Technology - BS

Learning Outcome: Recording

Every student will demonstrate the facility to create professional quality audio recordings.

Outcome Year: 2008-2009
 2009-2010
 2010-2011

Start Date: 05/11/2009

Outcome Status: Active Learning Outcome

Assessment Plan			
Assessment Measure	Target	Schedule/Cycle	Active
Critique of portfolio level recording projects. Examines the use of correct microphone placement on instruments, the use of prescribed mixing and mastering techniques, and the demonstration of proper techniques to eliminate broad band noise reduction and unwanted acoustic reflections in ATEC-450 Audio Technology Capstone. This information is used to introduce new courses into the curriculum and make requests for improved facilities. Measure Type: Final Paper/ Final Project	100% of students will demonstrate the facility to create professional-quality recordings.	Information collected annually.	Yes
Alumni questionnaire. Data collected via email and phone from an annual survey of every alumni to graduate from the program. This is accompanied by an update on the equipment, facilities, and changes to the curriculum. Measure Type: Alumni Feedback	75% of alumni will be satisfied with the quality of instruction, including the equipment and facilities now available for recording at American University. 80% or greater will indicate that the material covered in their audio technology courses provided a satisfactory preparation for employment in the field of audio technology. 75% will agree that the BA program has adequately prepared them for entry-level positions in related fields. 75% will agree that the BS program has adequately prepared them for entry-level positions in technical-related fields.	Information collected annually.	Yes
Assessment of measures and tools used at other university-level recording programs. Information is used to make comparisons in regards to the quality of facilities and equipment in relation to programs of similar size and scope at other institutions. Measure Type: Survey	The facilities and equipment used in the Audio Technology program years will be comparable to the median school that offers a program in audio technology.	Information collected every three	Yes

Related Courses

- ATEC-220 - Sound Synthesis II

- ATEC-450 - Audio Technology Capstone
- ATEC-508 - Digital Audio Workstations II

Learning Outcome: Audio Technology

Each student will demonstrate a basic professional level of accomplishment in the core areas of audio technology including: non-linear digital audio recording and editing, analog recording, sound design for music and film/ video, and the mixing and mastering of audio projects.

Outcome Year: 2008-2009
 2009-2010
 2010-2011

Start Date: 05/11/2009

Outcome Status: Active Learning Outcome

Assessment Plan			
Assessment Measure	Target	Schedule/Cycle	Active
Critique of portfolio level recording projects. Examines the use of correct microphone placement on instruments, the use of prescribed mixing and mastering techniques, and the demonstration of proper techniques to eliminate broad band noise reduction and unwanted acoustic reflections in ATEC-450 Audio Technology Capstone. This information is used to introduce new courses into the curriculum and make requests for improved facilities. Measure Type: Final Paper/ Final Project	100% of students will demonstrate the facility to create professional-quality recordings.	Information collected annually.	Yes
Evaluation of student projects and examinations in ATEC-220 and ATEC-508. This information is used to identify possible difficulties in instruction, effectiveness of teaching methods, software utilized, and teacher expectations for students. Measure Type: Final Paper/ Final Project	90% of students will complete projects that are comparable to those in a professional portfolio.	Information collected annually.	Yes
Digidesign Pro Tools User Certification Examination. Test results are used to improve class instruction. Updates in instructional materials provided by Digidesign ensure that students will have a firm understanding of the latest concepts in non-linear digital audio workstations. Measure Type: Quiz/ Exam	80% of students will complete 210M certification.	Test results collected every semester.	Yes

Learning Outcome: Repair and Installation

Students will demonstrate professional facility comparable to entry-level professionals in the fields of acoustics, audiovisual electronic repair and installation, and electronic circuit design and repair.

Outcome Year: 2008-2009
 2009-2010
 2010-2011

Start Date: 05/11/2009

Outcome Status: Active Learning Outcome

Assessment Plan			
Assessment Measure	Target	Schedule/Cycle	Active
Critique of portfolio level recording projects. Examines the use of correct microphone placement on instruments, the use of prescribed mixing and mastering techniques, and the demonstration of proper techniques to eliminate broad band noise reduction and unwanted acoustic reflections in ATEC-450 Audio Technology Capstone. This information is used to introduce new courses into the	100% of students will demonstrate the facility to create professional-quality recordings.	Information collected annually.	Yes

Assessment Plan

Assessment Measure	Target	Schedule/Cycle	Active
<p>curriculum and make requests for improved facilities.</p> <p>Measure Type: Final Paper/ Final Project</p>			
<p>Final projects in PHYS-323 Electronics Laboratory 2, ATEC-431 Studio Management, and PHYS-305 Acoustics. Information is used to direct projects in Studio Management and work in conjunction with the Physics department to develop course materials that are beneficial to the program.</p> <p>Measure Type: Final Paper/ Final Project</p>	<p>75% of students will be able to assemble a semi-professional electronic audio device, design and install a basic audiovisual system for a professional application, and assess the acoustic properties of a space based upon an impulse response test.</p>	<p>Information collected every two years.</p>	<p>Yes</p>