

Assessment Plan

Measures

PC_BS Forensic Biology Outcome Set

Outcome

Outcome: PC_BSFB_04

Students will be able to demonstrate knowledge in investigating crime scenes, collecting and preserving forensic evidence.

▼ **Measure:** Course Outcome *Course level; Direct - Portfolio*

Details/Description:	Measure student competency in investigating crime scenes, collecting and preserving forensic evidence.
Criterion for Success:	80% of FB students will score 70% or above for the final grade in SIS 200: Investigative Methodology and Forensic Science.
Timeframe of Data Collection:	FA 2017 to SP 2018
Key/Responsible Personnel:	Program chair and GSIS faculty who teach that class.

▼ **Measure:** Student Preparedness *Program level; Indirect - Survey*

Details/Description:	Graduation survey questions regarding if students feel that they could competently investigate a crime scene, collect and preserve various types of forensic evidence.
Criterion for Success:	80% or more of FB students will feel prepared

(score of 4-5) to perform these tasks in reality upon graduation.

Timeframe of Data Collection:
Key/Responsible Personnel:

FA 2017 to SP 2018
Program chair

Outcome: PC_BSFB_05

Students will be able to understand the ethical and legal responsibilities of preventing and detecting forensic mistakes

▼ **Measure:** Course Outcome
Course level; Direct - Portfolio

Details/Description: Measure student competency in understanding ethical dilemmas faced by forensic biologists/scientists and the legal consequences of mistakes.

Criterion for Success: 80% of FB students will score 70% or above as a final grade in SS 411 Procedural Laws and Evidence.

Timeframe of Data Collection:
Key/Responsible Personnel:

FA 2017 to SP 2018
Program chair and GSIS faculty who teach that course.

▼ **Measure:** Student Ethics
Program level; Indirect - Interview

Details/Description: Students graduating with a degree in Forensic Biology should demonstrate high ethical standards throughout their education here as an indicator of how ethical they will be as a forensic analyst in the criminal justice system upon graduation.

Criterion for Success:	5% or less of FB graduating students will have been reprimanded or written up for cheating, plagiarism, fudging scientific data, bigotry or bullying or intimidating others during their time at ERAU.
Timeframe of Data Collection:	FA 2017 to SP 2018
Key/Responsible Personnel:	Program chair and faculty who teach core classes

Outcome: PC_BSFB_06

Students will learn to present forensic analyses of evidence in court as a scientific expert

▼ **Measure:** Course Outcome
Course level; Direct - Portfolio

Details/Description:	Measure student competency in presenting forensic analyses as a scientific expert in a court of law.
Criterion for Success:	80% of FB students will score 70% or above as a final grade for SS 320 Courts and Criminal Justice and specific activities in BIO 302 Instrumental Analysis and Trace Evidence and BIO 401 Forensic DNA Analysis.
Timeframe of Data Collection:	FA 2017 to SP 2018
Key/Responsible Personnel:	Program chair and faculty who teach those classes.

▼ **Measure:** Student Preparedness
Program level; Indirect - Survey

Details/Description:	Graduation survey questions regarding if students feel that they could competently present evidence
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	in a court of law as a scientific expert upon graduation.
Criterion for Success:	80% of FB students will feel prepared (score of 4-5) to perform this task upon graduation through answering specific questions on the graduation survey.
Timeframe of Data Collection:	FA 2018 to SP 2018
Key/Responsible Personnel:	Program chair, assessment staff

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