

## WTCS Repository

# FQAS Data and Evidence Analysis

## Course Outcome Summary

### Course Information

**Description** This content area is part of the **WTCS Faculty Quality Assurance System (FQAS) Competency Framework**.

The FQAS Competency Framework contains shared competencies and performance standards that will be utilized for professional development under the Faculty Quality Assurance System. Each WTCS college has discretion in regards to how these competencies and performance standards are delivered.

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### Course Competencies

#### 1. Explore a variety of data analysis tools

##### Assessment Strategies

1.1. Oral, Written or Graphic Assessment

##### Criteria

- 1.1. you use statistical measurements, measures of central tendencies (mean, median, mode) normal distribution, correlation, measures of dispersion (range, standard deviation, percentiles)
- 1.2. you explain what the measurements mean
- 1.3. you recognize and analyze data trends
- 1.4. you recognize how other departments work and how they can be a resource
- 1.5. you identify data analysis tools at the WTCS level (QRP)
- 1.6. you identify data analysis tools at the college level (entrance assessment, exit data, student satisfaction results, employer satisfaction results, CSSE, Noel-Levitz SSI, QRP)
- 1.7. you identify data analysis tools at the division level
- 1.8. you identify data analysis tools at the program level (TSA, Graduate placement, completion rates, employer satisfaction results, DACUM data, QRP)
- 1.9. you identify data analysis tools at the course level (completion rates, attrition rates, instructor evaluations, course evaluations) you identify the accreditation process (college and program level)

#### 2. Analyze data from teaching and learning experiences

##### Assessment Strategies

2.1. Oral, Written or Graphic Assessment

##### Criteria

- 2.1. you define a strategic process to gather data
- 2.2. you identify key facts in a range of data
- 2.3. you analyze data for reliability and validity

- 2.4. you identify when data appear wrong, incomplete, or when gaps exist
- 2.5. analysis provides a summary of the data regarding the teaching and learning experience

### **3. Use data to inform decision making about the teaching and learning process**

#### **Assessment Strategies**

- 3.1. Oral, Written or Graphic Assessment

#### **Criteria**

- 3.1. you examine the dynamics of evidence based decision making and improvement processes
- 3.2. your analysis includes recommendations for improving the learning experience based on the results
- 3.3. you analyze external data for comparison to improve your program or course
- 3.4. you analyze program review data to improve program health
- 3.5. you analyze course review data to improve course health
- 3.6. you synthesize information from multiple sources to guide continuous improvement efforts
- 3.7. you share best practices you use data to tie achievement of learning outcomes to quality instructional practices and to delivery modes