



Broward Community College

Course Outline

STATUS: A

COMMON COURSE NUMBER: CJE 2722

COURSE TITLE: Polygraph Theory and Operation

CREDIT HOURS: 3

CONTACT HOURS BREAKDOWN:

Lecture/Discussion 48

Lab 00

Other 00

Contact Hours/Week 3

CATALOG COURSE DESCRIPTION:

Prerequisite: None

Corequisite: None

Includes the history and development of the polygraph with further emphasis on mechanics of instrument operation, maintenance and calibration.

General Education Requirements - Associate of Arts Degree, meets Area(s):
 General Education Requirements - Associate in Science Degree, meets Area(s): 6

UNIT TITLES:

1. History and Development of the Polygraph
2. Mechanics of Instrument Operation
3. Maintenance and Calibration

I. Course Overview:

Upon successful completion of this course, the students will understand the history and development of the polygraph as well as the mechanics of instrument operation, maintenance and calibration.

II. Units:

Unit 1. History and Development of the Polygraph

General Outcome:

- 1.0 The students will know the evolution of physiological measurement, the evolution of pscho-physiological concepts and techniques, the capacities and limitations of polygraph, and the progression to present day usage from an historical and developmental aspect.

Specific Learning Outcomes:

Upon successful completion of this unit, the students will be able to:

- 1.1 Trace the evolution of physiological measurement.
- 1.2 Trace the evolution of psychophysiological concepts and techniques.
- 1.3 Recognize and outline the capacities and limitations of polygraph.
- 1.4 Construct a direct linkage between the historical evolution of polygraph and present day usage.

Unit 2. Mechanics of Instrument Operation

General Outcome:

2.0 The students will know the operation of the control panel and its components.

Specific Learning Outcomes:

Upon successful completion of this unit, the students will be able to:

2.1 Identify all the components of the control panel.

2.2 Demonstrate the designed function of all components of the control panel.

2.3 Identify all functions of the operating components.

Unit 3. Maintenance and Calibration

General Outcome:

3.0 The students will know how to maintain and calibrate the polygraph.

Specific Learning Outcomes:

Upon successful completion of this unit, the students will be able to:

3.1 Maintain all the main components of the polygraph.

3.2 Calibrate within tolerances all the main components of the polygraph.