

J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: PSG 164

Credits: 4

Course Title: Polysomnography Clinical Procedures I

Course Description (including lecture hours, lab hours, total contacts)

Offers a practicum in a functioning Sleep Disorders Center. Provides practice in patient set-up, machine calibrations, equipment usage, Nocturnal Polysomnographs, BiPAP and CPAP Titration Trials, and patient education under the supervision of Polysomnographic Technicians.

Co-requisite: PSG 103. Prerequisites: PSG 101, PSG 190, and PSG 195 (Introduction to Sleep).

Laboratory 20 hours per week

General Course Purpose

Gives students experience working in a sleep lab where they can apply classroom theoretical knowledge and practice skills.

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

Co-requisite: PSG 103

Prerequisites: PSG 101, PSG 190, PSG 195

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. Practice, refine and be evaluated on staging sleep and scoring events
- b. Practice tabulating and analyzing sleep reports.
- c. Recognize and eliminate artifact proficiently
- d. Identify ECG patterns
- e. Initiate and titrate therapeutic interventions

Major Topics to be Included

1. Sleep staging
2. Arousals
3. Report generation
4. Artifact elimination
5. Signal derivations
6. Therapeutic intervention (PAP, O2)
7. MWT's and MSLT's
8. Recognizing respiratory events
9. Scoring respiratory events
10. Recording parameters
11. Differentiate between potentially lethal and non-lethal ECG patterns
12. Recognize and score PLMs

Effective Date of Course Content Summary (Month, Date Year:) August 2010