J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: PSG 296
Credits: 4

Course Title: On-Site Training: Polysomnography Clinical Procedures II

Course Description: Offers a practicum in qualified Sleep Disorders Center and DME (durable medical equipment) companies. Provides practice in out-of-center (home) testing, pediatric polysomnograms (PSGs), daytime clinics, therapy compliance, advanced titration trials, and patient education under the supervision of polysomnographic technicians. Prerequisites: PSG 101, PSG 190, PSG 110, PSG 103, PSG 164, and PSG 205. Co-requisites: PSG 295 - Topics in Polysomnography: Sleep Technology Theory and Practice Integration, PSG 295 - Topics in Polysomnography: Current Issues and Trends in Polysomnography, and PSG 295 - Topics in Polysomnography: Pediatric Polysomnography. Laboratory 16 hours per week.

General Course Purpose: This course provides students experience working in a sleep lab and durable medical equipment company where they can apply classroom theoretical knowledge and practice skills.

Course Prerequisites/Co-requisites:
Prerequisites: PSG 101, PSG 190, PSG 110, PSG 103, PSG 164, and PSG 205

Course Objectives:
Upon completing the course, the student will be able to:
a. Analyze a sleep recording and titrate advanced positive airway pressure (PAP) during overnight polysomnography.
b. Demonstrate age appropriate care of the pediatric, adolescent, and adult.
c. Explain and demonstrate portable monitoring devices (PM).
d. Analyze (score) out-of-center (home) sleep recordings.
e. Interpret sleep PAP therapy results and determine patient compliance.
f. Synthesize study results and develop a plan of action for patient education and care.
g. Perform and analyze an MSLT (multi-sleep latency test) and an MWT (maintenance wakefulness test).

Major Topics to be Included:
a. Therapeutic intervention (PAP, O2)
b. Therapy compliance
c. MWTs and MSLTs
d. Recognizing respiratory events
e. Scoring respiratory events
f. Patient education
g. Out-of-center testing
h. Pediatric and adolescent PSGs

Effective Date of Course Content Summary: August 2014