

Course Descriptions

PSGT 120S | Polysomnography I

3 cr. Hr. (3-1-3)

“This course is designed to provide both didactic and laboratory training for entry-level personnel in the basics of polysomnography technology. Students will become familiar with terminology instrumentation setup and calibration, patient safety and infection control, recording and monitoring techniques, documentation, professional issues, and patient-technologist interactions related to polysomnography technology.” **Requires Departmental Approval.**

PSGT 125S | Sleep disorders

2 cr. Hr. (2-0-2)

“This course will present disorders that affect sleep including insomnias, circadian rhythm disorders, narcolepsy, sleep disordered breathing, movement and neuromuscular disorders and medical and psychiatric disorders.” **Requires Departmental Approval.**

PSGT 130S | Neuroanatomy and Physiology

3 cr. Hr. (3-0-3)

“This course is a study of the anatomy of the human central nervous system. The student will also be introduced to cardiopulmonary structures and function as well as ECG interpretation.” **Requires Departmental Approval.**

PSGT 135s | Neurophysiology of Sleep

3 cr. Hr. (3-0-3)

“This course is an introduction to the history of sleep medicine and the different stages of sleep. Emphasis is on associated wave patterns and collection and utilization of sleep histories.” **Requires Departmental Approval.**

PSGT 140S | Respiratory Care Procedures

3 cr.hr. (3-0-3)

“This course is an in-depth study of basic respiratory concepts, theories and techniques needed in the education of the polysomnography student. Application of these procedures are instructed and performed in the laboratory and in the clinical area under supervision.” **Requires Departmental Approval.**

PSGT 145S | Polysomnography Clinical I

6 cr. Hr. (0-24-6)

“This course provides the student with patient contact in a sleep lab. This experience offers health-related work-based learning that enables the student to apply specialized occupational theory, skills, and concepts. The student will have the opportunity to observe, perform (under supervision), and evaluate sleep studies. Direct supervision is provided by the clinical professional. (24 clinical hours/week).” **Prerequisite: PSGT 120s.**

PSGT 150S | Sleep Scoring & Staging

3 cr. Hr. (3-0-3)

“This course provides the student with the skill to score and stage sleep studies; prepare comprehensive sleep records, identify effects of medication, age, gender, sleep/wake schedules and sleep habits and other relevant factors. Evaluate pertinent parameters in sleep disorder studies.”

Prerequisite: PSGT 120s

PSGT 155s | Polysomnography Clinical II

4 cr. Hr. (0-24-4)

“This course offers a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. They will gain insight on scoring, result reporting and Home Health equipment (DME Setups and Follow Ups). (24 Clinical hours/week)

Direct supervision is provided by the clinical professional.” **Prerequisite: PSGT 145s**

PSGT 160S | Polysomnography II

3 cr. Hr. (3-1-3)

“This course is a lecture and lab, designed to develop skills needed for scoring and staging.

Consideration of medication effects, age, gender, sleep/wake schedules, changes in sleep habits, and other pertinent factors. Students will evaluate parameters such as total record time, total sleep time, sleep efficiency, total wake time, wake after sleep onset, wake after sleep offset, sleep latency, REM latency, stage 1-3, REM sleep, awakenings arousals. EEG, sleep disordered breathing, leg movements, and cardiac patterns.” **Prerequisite: PSGT 120s**

PSGT 200S | Special Topics in Polysomnography

2 cr. Hr. (3-0-2)

“This course addresses recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the field of polysomnography and relevant to the professional development of the students.” **Prerequisite: PSGT 160s**

PSGT 205S | Infant & Pediatric Polysomnography

2 cr. Hr. (2-0-2)

“This course is an introduction to the sleep patterns of the infant and pediatric population. The student will be provided with opportunities to perform a pediatric study.” **Prerequisite:**

PSGT 160s

PSGT 210S | Polysomnography Clinical III

4 cr. Hr. (0-24-4)

“This course provides the student with patient contact in a sleep lab. The student will have the opportunity to observe, perform (under supervision), and evaluate sleep studies. (24 clinical hours/week).” **Prerequisite: PSGT 155s**

PSGT 215s | Exam Review and Career Preparation

3 cr. Hour (3-1-3)

“This course will be a comprehensive review in order to optimize success with passing the boards and

job placement. They will undergo mock interviews, take practice exams through the BRPT website, complete some Inter-Reliability Scoring through the AASM and get assistance with Resume' development." **Requires Departmental Approval.**