

2018-2019 Program Assessment Report

Sleep Health A.A.S. Polysomnographic Technology Option

1. Mission, Objectives & Learning Outcomes

Oregon Tech Mission

Oregon Institute of Technology, an Oregon public university, offers innovative and rigorous applied degree programs in the areas of engineering, engineering technologies, health technologies, management, and the arts and sciences. To foster student and graduate success, the university provides an intimate, hands-on learning environment, focusing on application of theory to practice. Oregon Tech offers statewide educational opportunities for the emerging needs of Oregonians and provides information and technical expertise to state, national and international constituents.

Core Theme 1: Applied Degree Programs

Oregon Tech offers innovative and rigorous applied degree programs. The teaching and learning model at Oregon Tech prepares students to apply the knowledge gained in the classroom to the workplace.

Core Theme 2: Student and Graduate Success

Oregon Tech fosters student and graduate success by providing an intimate, hands-on learning environment, which focuses on application of theory to practice. The teaching and support services facilitate students' personal and academic development.

Core Theme 3: Statewide Educational Opportunities

Oregon Tech offers statewide educational opportunities for the emerging needs of Oregon's citizens. To accomplish this, Oregon Tech provides innovative and rigorous applied degree programs to students across the state of Oregon, including high-school programs, online degree programs, and partnership agreements with community colleges and universities.

Core Theme 4: Public Service

Oregon Tech will share information and technical expertise to state, national, and international constituents.

Program Mission

The Sleep Health - Polysomnography option, an Associate of Applied Science degree program, provides

The program began in 2007 as the first national fully-online CAAHEP accredited program for polysomnography.

Description

Students take onn9 (t)-3 (n)2.d (t)-3id (t)-3a(it)-3 (t)7it (it)-3 ((n)2.0. Tw 21.(at)-2.9e(ak)8.3 (e4)-3 l68)-6.6 (n)2.0.68ryal f

Thorough; felt prepared; great clinical experience; varied courses

PSLO #2: Demonstrate ability to apply sensors correctly with acceptable impedances for data collection.

PSLO #3: Demonstrates ability to calibrate signals, document, and troubleshoot recording artifact.

PSLO #4: Demonstrates ability to accurately analyze and summarize adult PSG data.

PSLO #5: Demonstrates understanding of PAP and O2 theory, application and contraindications.

PSLO #6: Demonstrates knowledge of PAP therapy adherence, management, and patient education.

The PSLOs were last revised in 2017-2018 academic year to align with industry standards and objectives

5. Assessment Cycle

Due to the relatively small student cohorts (<20 per year), all PSLOs are assessed annually.

***All data taken from PSG 271C in final term of PSG Certificate Program**

***All outcome measures are direct except for the student survey**

	2016-2017	2017-2018	2018-2019
PSLO 1	Comp Exam	Comp Exam	Comp Exam
	Direct Practical	Direct Practical	Direct Practical
	Student Survey	Student Survey	Student Survey
PSLO 2	Comp Exam	Comp Exam	Comp Exam
	-----	-----	10/20 Diagram
	Practical	Practical	Practical
	Student Survey	Student Survey	Student Survey
PSLO 3	Comp Exam	Comp Exam	Comp Exam
	Practical	Practical	Practical
	Student Survey	Student Survey	Student Survey
PSLO 4	Comp Exam	Comp Exam	Comp Exam
	-----	-----	Summary Graphs
	-----	-----	EKG Recognition
	ISR	ISR	ISR
	Practical	Practical	Practical
	Student Survey	Student Survey	Student Survey

PSLO 5

logistically. Program assessment was also changed from a 1-4 rubric to a 1-5 rubric, following straight percentages of 90/80/70/60/below 60 for all measures.

This assessment cycle, three measures were broken-out from another measure for increased sensitivity:

10/20 DIAGRAM	91.0%	5	YES
PRACTICAL CHECKLIST	100.0%	5	YES
STUDENT SURVEY	94.3%	5	YES

PSLO #3:

Demonstrates ability to calibrate signals, document, and troubleshoot recording artifact.

MEASURE	MEAN SCORE %	RUBRIC SCORE (1-5)	MEET CRITERIA?
---------	--------------	--------------------	----------------

https://oregontech-my.sharepoint.com/:x:/g/personal/michael_schwartz_oit_edu/EWxNwtlsnYRDlvTfJWPe-MYBj1IyII-RCe5IyVJ6T62wYw?e=S5cERe

Results Trend History (compared to 2017-2018)

PSLO #1: Students are improving

PSLO #2: Remains a challenge for students

PSLO #3: Remains a challenge for students

PSLO #4: Students are improving

PSLO #5: Remains a strong area for students

PSLO #6: Remains a strong area for students

Faculty Discussion

Assessment data were shared with key faculty via cell calls during the month of October 2019. Sampled students in PSG 271C, the capstone course, overall did fairly well. This was reflected in the finding that only 1 (5%) of all 22 measures across all six PSLOs did not meet the per

- Upon further investigation, the following specific content areas were identified as problematic for students:
 - Recording parameters for pediatric sleep study
 -

