

2017-2018 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

phone/email communication between the Program Director and main faculty members.

3. Program Description and History

The program began in 2007 as the first national fully-online CAAHEP accredited program for polysomnography. Students take online didactic courses along with a part-time clinical rotation in an AASM accredited sleep lab in their local area. Students must complete a total of 540 clinical hours during the program per our CAAHEP accreditation, with 360 of the hours being completed during night shift.

Meeting with Advisory Board

Program faculty holds an annual meeting with their Advisory Board during Fall term each academic year. The minutes of the 2017 meeting are below:

Advisory Board Annual Meeting Minutes:

Polysomnographic Technology Program

Advisory Board Meeting 12/1/2017

Attendance: Tanya Breshears, Sharon Keenan, Jill Foster, David Panossian, Jane Perri, Michael Schwartz

Missing: Janette Isaacson, Michele Gentile, Jamie Hall

Convened: 2:00 pm PST via a phone conference

Ended: 2:45 pm PST

Enrollment:

We are continuing to average 12 in the program with 2-4 graduating each 10 week quarter. We graduated 9 students in the 2016-2017 academic year. We are graduating 1 student this Fall but expect 5-6 graduates after winter 2018. We also have 6-7 probable new students starting winter 2018 this Jan.

One new CSH student (our first) has been admitted to start in Jan. We have 2 on-campus psychology students currently taking a CSH course as electives. We anticipate an increased in CSH applicants as the BRPT has formally ended its 1-day symposium as a pathway to take the CCSH exam.

We continue to have the largest phone and online requests from prospective students, more than any other program on campus, but the smallest actual enrollment. Efforts are being made to convert more of the inquiries to actual applicants. We have removed the requirement that they must speak to me, and instead we have added all of the information that I typically tell them to the web site and require that

they check off that they have read the material. I am making every effort to be in close phone communication with new admits.

Our main barrier to increased enrollment is difficulty obtaining clinical site agreements.

Our main competition regionally continues to be Linn Benton CC and more recently Concorde Career College in Portland. LBCC has reduced clinical hours in lieu of Sat dry labs 2x per month. Concorde is much more expensive than OIT.

Program Enrollment and Graduates

The

4. Program Student Learning Outcomes

In spring of 2018, the BRPT made significant changes in the RPSGT exam blueprint. Therefore, PSLOs were revised and updated to reflect these changes.

PROGRAM STUDENT LEARNING OUTCOMES Sleep Health A.A.S. - Polysomnographic Technology Option
PSLO #1: Demonstrate the ability to review patient information and prepare for a polysomnogram.
PSLO #2: Demonstrate the 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.

5. Assessment Map & Measures

F – Foundation –

Course/Event	Practical Exam
Legend	C - capstone
Assessment Measure	Direct – behavioral observation at practical exam
Criterion	80% of students score 3 or 4 out of 4
Course/Event	Students Exit Survey
Legend	C - capstone
Assessment Measure	Indirect – student exit survey
Criterion	80% of students score 3 or 4 out of 4

OIT -ASPT 2017-2018	
PSLO #2:	
Demonstrate the ability to apply sensors correctly with acceptable impedances for data collection.	
Course/Event	Written Exam
Legend	C - capstone
Assessment Measure	Direct - written exam
Criterion	All students earn 70% or greater
Course/Event	Practical Exam
Legend	C - capstone
Assessment Measure	Direct – behavioral observation at practical exam
Criterion	80% of students score 3 or 4 out of 4
Course/Event	Students Exit Survey
Legend	C - capstone
Assessment Measure	Indirect – student exit survey
Criterion	80% of students score 3 or 4 out of 4

OIT -ASPT 2017-2018	
PSLO #3:	
Demonstrates ability to calibrate signals, document, and troubleshoot recording artifact.	
Course/Event	Written Exam
Legend	C - capstone
Assessment Measure	Direct - written exam

OIT -ASPT 2017-2018	
PSLO #4:	
Demonstrates ability to accurately analyze and summarize adult PSG data.	
Course/Event	Written Exam
Legend	C - capstone
Assessment Measure	Direct - written exam
Criterion	All students earn 70% or greater
Course/Event	Practical Exam
Legend	C - capstone
Assessment Measure	Direct – behavioral observation at practical exam
Criterion	80% of students score 3 or 4 out of 4
Course/Event	Students Exit Survey
Legend	C - capstone
Assessment Measure	Indirect – student exit survey
Criterion	80% of students score 3 or 4 out of 4
Course/Event	Online ISR Scoring
Legend	P - practice
Assessment Measure	Direct - simulation

Demonstrates knowledge of PAP therapy adherence, management, and patient education.	
Course/Event	Written Exam
Legend	C - capstone
Assessment Measure	Direct - written exam
Criterion	All students earn 70% or greater
Course/Event	Students Exit Survey
Legend	C - capstone
Assessment Measure	Indirect – student exit survey
Criterion	80% of students score 3 or 4 out of 4

6. Program Student Learning Outcomes Assessment Cycle

PROGRAM STUDENT LEARNING OUTCOMES 3-Year Cycle Sleep Health A.A.S. Polysomnographic Technology Option PSLO #1: Demonstrate the ability to review	2017-2018 Assessment Methods	2018-2019 Assessment Methods	2019-2020 Assessment Methods
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	in a much more standardized way. As this is a new assessment measure, we simply used "greater than 85%" as meeting criteria.
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OIT -ASPT 2017-2018	
PSLO #5:	
Demonstrates understanding of PAP and O2 theory, application and contraindications.	
Criterion	Met (80% of Students score 3 or 4)
Summary	Over 80% of students scored 3 or 4 in direct and indirect assessment.
Improvement Narrative	Assessment of this area was strengthened this year by means of adding a practical component in which students must apply PAP masks and headgear to a volunteer. Students did very well with this.

OIT -ASPT 2017-2018	
PSLO #6:	
Demonstrates knowledge of PAP therapy adherence, management, and patient education.	
Criterion	Met (80% of Students score 3 or 4)
Summary	Over 80% of students scored 3 or 4 in direct and indirect assessment.
Improvement Narrative	The relative importance of this area was greatly increased this year by the BRPT. Course material in PSG 291 was revised to reflect this change.

References

Program Assessment Coordinator: Michael Schwartz, Program Director, Sleep Health
Office of Academic Excellence



AR DATA
2017-2018.xlsx

*Exam hard copies on file with Program Director.

8. Evidence of Improvement in Student Learning.

Closing the Loop from 2016-2017

Program Faculty implemented actions during the academic year based on assessment findings from previous assessment cycles. We have gathered assessment data following changes that indicated further action is needed.

