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Course Outcomes Assessment

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Course/Program Title: DHY 202 Dental Hygiene Clinical III   Date: 12/19/16

Course/Program Team: Marlaina Lantzy RDH, MS (lead instructor); Jennifer Suminski RDH, MS; Rhonda Hull RDH, BS; Raychene Michaels RDH, BS; Lucinda Oberholzer RDH, MS; Lisa Stewart RDH, BS, Kelanie Yordy RDH, MS; Paul Kane DDS; John Stull, DDS

Expected Learning Outcomes:

1. Apply comprehensive dental hygiene process of care strategies that incorporate assessment, planning, implementation and self-evaluation for the child, adolescent, adult, geriatric, special needs and medically compromised patients.
2. Demonstrate competence in assessing periodontal diseases and implementing non-surgical periodontal therapy treatment and disease prevention strategies.
3. Apply critical thinking and problem solving skills in a variety of clinical situations.

Assessment: (How do or will students demonstrate achievement of each outcome? Please attach a copy of your assessment electronically.)

Students are evaluated on all areas of clinical performance by meeting the minimum course requirements for number and type of patient, skills evaluations, radiography performance, clinical engagement and attendance. Patient care is assessed using the software program TalEval and all other portions of the total course grade are evaluated using Moodle.

	Minimum Points	Weighted Total
DHPCE- Clinical Patient Care Score- patients	20 patients	80%
Radiography & Critique	714	5%
Skill Evaluations (16 @ various points each + 3 P/F)	357	10%
CA Rotations/Clinic Engagement	225	3%
Attendance _	225	2%
Total	**1521**	**100%**

We have customized TalEval to fit our clinical procedures and evaluate each student on 117 aspects of patient care for each patient encounter. TalEval is a comprehensive, objective grading format that gathers data about the student's performance on specific procedures and items over a span of time on a variety of patients of various levels of difficulty. Student's skill performance is compared to all the times they performed the skill on all patients treated. TalEval measures all the items of patient care over each half of the semester and generates a grade based on the mean and the standard deviation.

Validation: (What methods have you used or will you use to validate your assessment?)
1. TalEval software program is used by many dental hygiene programs across the country and meets several CODA accreditation standards including: 1-1 outcomes assessments, 2-15 through 2-17 process of care; 3-9 instructor calibration; and 6-2 quality assurance.
We will continue to collect grade data and analyze student and faculty performance.
(90% of students achieve an average of 75% or higher on the Dental Hygiene Process of Care
90% of students achieve an average of 80% or higher on Skills Evaluations
90% of students achieve an average of 75% or higher on Radiography skills)

2. Commission on Dental Competency Assessments (CDCA) ADEX Patient Care Exam and Computer Simulated Clinical Exam (CSCE): this is a regional third party clinical exam required for dental hygiene licensure. Exam results will help the program refine and improve clinical courses.

Results: (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

1. Fall 2016 Class of 2017 DHY-202 Grade Data

Fall 2016 Final Course Grades	N=20	Course Grade Component (weight)	Class Average	Validation Outcomes
A	0	DHPOC (80%)	85.7%	20/20 <75%
B	10	Skills Evals (10%)	92.3%	18/20 <80%
C	3	Radiology (5%)	94.7%	20/20 <90%
I	7	Engagement (3%)	98.0%	20/20 <90%
Overall Average	82.8%	Attendance (2%)	98.8%	20/20 <90%

2. CDCA Results

Class of 2016 (n=17)	ADEX Patient Care	CDCA Computer Simulated Exam
Pass on 1st attempt	16/17 (94%)	17/17 (100%)
Pass on 2nd attempt	1/1 (100%)	

Follow-up: (How have you used or how will you use the data to improve student learning?)
This is the second time this course has been conducted and the faculty have discovered several design and implementation weaknesses that need to be addressed.

TalEval will continue to be utilized to evaluate student's clinical performance. The recommended default medial performance level of 80 may be adjusted up, based on data trend in the rigor and grade distribution of the class.

The radiography evaluation instrument will be revised, based on the changes in DHY 104 Radiography, to reduce grade inflation and have the grading schema more accurately reflect performance.

Skills Evaluations are revised annually, based on revisions to DHY 101 Clinic I. The faculty anticipate minor changes in Fall 2017. Due dates and consequences for missed deadlines have been amended to encourage on-time student completion and a greater emphasis on mandatory remediation for weak areas.

Overall Grade Distribution: This year we had 7 incomplete grades due to unmet course requirements (there was one Clinic II incomplete in Spring 2016 and zero Clinic III incompletes in Fall 2016). The faculty have determined that the verbiage in the syllabus and the presentation to the students by the lead instructor require more structure and emphasis on consequences for missed deadlines. Changes to course grading rules have been implemented for the Spring 2017 Clinic II and IV courses and will be added to the Fall 2017 Clinic III syllabus. We hope to reduce the number of incompletes and improve student outcomes.

As the Clinic III and IV coordinator, Marlaina Lantzy has spent time discussing the events of this semester and her teaching style with Kathleen D'Ambrisi and worked to develop as an instructor and leader. Marlaina plans to present student expectations and grading requirements in a more clear, objective manner with an emphasis on actions and consequences.

Budget Justification: (What resources are necessary to improve student learning?)
No additional financial resources are needed at this time. TalEval has been funded through academic year 2018; the subscription was renewed in 2016 for two years as a discounted rare.