



Goal #1: Students will demonstrate entry-level clinical competence in radiation therapy.

Student Learning Outcome	Data Tool /Mechanism	Benchmark	Frequency/Time Frame	Responsibility	Outcome Results
1.1 Students will demonstrate appropriate immobilization and positioning when preparing patients for treatment and simulation.	1.1a Clinical Eval, Domain B: Administer/Monitor of Rad Therapy; item 2 "Pt positioning/immobilization"	Mean \geq 3.5 (4 point scale)	Semi-Annually (semester I & II)	Clinical Supervisors	2016 Sem I = 3.92 Sem II = 3.94 2015 Sem I = 3.91 Sem II = 3.97 2014 Sem I = 3.80 Sem II = 4.00 2013 Sem I = 3.86 Sem II = 3.84 2012 Sem I = 3.78 Sem II = 4.0
	1.1b Clinical Competency Exam Section IIB, "Psychomotor Domain"	Mean \geq 95% (100 pt scale)	Semi-Annually (Semester I & II) Minimum 3 exams/student/sem: random sample	Program Director	2016 Sem I = 97.9 Sem II = 99.7 2015 Sem I = 100 Sem II = 100 2014 Sem I = 97.9 Sem II = 100 2013 Sem I = 100 Sem II = 100 2012 Sem I = 99.5 Sem II = 99.5
1.2 Students will correctly operate equipment and accessories to deliver prescribed therapeutic doses.	1.2a Clinical Eval, Domain B: Administer/Monitor of Rad Therapy; item 1 "Equipment operation"	Mean \geq 3.5 (4 point scale)	Semi-Annually (Semester I & II)	Clinical Supervisors	2016 Sem I = 3.89 Sem II = 3.92 2015 Sem I = 3.96 Sem II = 3.97 2014 Sem I = 3.80 Sem II = 4.0 2013 Sem I = 3.81 Sem II = 3.84 2012 Sem I = 3.85 Sem II = 4.0
	1.2b. Program Director Evaluation of Student; item 4"Equipment operation"	Mean \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I = 3.94 Sem II = 4.0 2015 Sem I = 3.79 Sem II = 4.0 2014 Sem I = 3.50 Sem II = 4.0 2013 Sem I = 3.50 Sem II = 3.88 2012 Sem I = 3.50 Sem II = 4.0
1.3 Students will demonstrate adequate clinical skills to perform as an entry level therapist.	1.3a Comprehensive Competency Exam	Mean \geq 95% (100 pt. scale)	Semi-annually; each semester, min. of 2 exams/student/ semester	Program Director	2016 Sem I = 99.74 Sem II = 99.67 2015 Sem I = 99.62 Sem II = 99.89 2014 Sem I = 99.73 Sem II = 100 2013 Sem I = 96.38 Sem II = 99.38 2012 Sem I = 99.5 Sem II = 99.88
	1.3b. Program Director Evaluation of Student; item 20"Overall Progress"	Mean \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I = 3.94 Sem II = 4.0 2015 Sem I = 4.0 Sem II = 4.0 2014 Sem I = 4.0 Sem II = 4.0 2013 Sem I = 3.88 Sem II = 4.0 2012 Sem I = 3.63 Sem II = 3.88

Analysis & Action Plan

Student Learning Objective 1.1

Data Tool 1.1a

Goal met. Will continue to monitor

Data Tool 1.1b

Goal met. Will continue to monitor

Student Learning Objective

Data Tool 1.2a

Goal met. Will continue to monitor

Data Tool 1.2b

Goal met. Will continue to monitor

Student Learning Objective

Data Tool 1.3a

Goal met. Will continue to monitor

Data Tool 1.3b

Goal met. Will continue to monitor



Goal #2 : Students will practice effective communications skills.

Student Learning Outcome	Data Tool /Mechanism	Benchmark	Frequency/Time Frame	Responsibility	Outcome Results
2.1 Students will demonstrate effective verbal communication skills.	1.1a Clinical Eval, Domain C: Caregiving ; section C score	Mean Score Section "C" \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Clinical Supervisor	2016 Sem I= 3.97 Sem II= 3.98 2015 Sem I= 3.99 Sem II=4.0 2014 Sem I= 3.91 Sem II=4.0 2013 Sem I= 3.95 Sem II=3.88 2012 Sem I= 3.62 Sem II=3.98
	2.1b. Clinical competency exam, Section II C: Interpersonal Domain	Mean score Section II C \geq 95% (100 pt. scale)	Semiannually Sem I & II min. of 3 exams/student/sem; random sample	Program Director	2016 Sem I= 97.25 Sem II= 98.25 2015 Sem I= 99.58% Sem II=100% 2014 Sem I= 99.3% Sem II=100% 2013 Sem I=100% Sem II=100% 2012 Sem I=98.67%Sem II=99.6%
	2.1c. Employer Survey, Communication Skills Section (Q-7)	Mean employer response \geq 3.5 (5 point scale)	Annually	Program Director	2016 = 4.33 (3 returned surveys) 2015 = 4.33 (3 returned surveys) 2014 = 5.0 (1 returned survey) 2013 = 4.0 (1 returned survey) 2012 = 5.0 (2 returned surveys)
2.2 Students will demonstrate appropriate written communication skills	2.2a RADTT 323 & RADTT 343 - Technical writing research projects	Research Paper eval. form-mean score \geq 86 points (100 pt scale)	Annually Sem I	Program Director	2016 Sem I= 93.50% Sem II=n/a 2015 Sem I= 96.98% Sem II=n/a 2014 Sem I= 97.5% Sem II=n/a 2013 Sem I= 98.3% Sem II=n/a 2012 Sem I= 96.75% Sem II=99.0%
	2.2b Comprehensive Competency Exam Section I	Mean score \geq 95% (100 pt scale) Section I "Completion of Pt. information"	Semiannually Sem I & II min. of 2 exams/student/sem; random sample	Program Director	2016 Sem I= 100% Sem II=100% 2015 Sem I= 100% Sem II=100% 2014 Sem I=98.2% Sem II=100% 2013 Sem I=96.4% Sem II=99.4% 2012 Sem I=100% Sem II=100%
2.3 Students will communicate and interact appropriately with patients/family members and colleagues.	2.3a Clinical Eval, Domain C: Caregiving ; item 3 "pt & family interaction"	Mean \geq 3.5 (4 point scale)	Annually	Course Instructor	2016 Sem I=3.97 Sem II=3.98 2015 Sem I=4.0 Sem II=4.0 2014 Sem I=3.9 Sem II=4.0 2013 Sem I=4.0 Sem II=3.88 2012 Sem I=3.95 Sem II=4.0
	2.2b Program Director evaluation of student; item 3 "Pt & family interaction", item 13 "attitude toward colleagues"	Mean Score items 3 & 13 \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I=4.0/4.0 Sem II=4.0/3.93 2015 Sem I=4.0/4.0 Sem II=4.0/4.0 2014 Sem I=4.0/4.0 Sem II=4.0/4.0 2013 Sem I=4.0/3.9 Sem II=4.0/4.0 2012 Sem I=3.88 Sem II=3.88

Analysis & Action Plan

Student Learning Objective 2.1

Data Tool 2.1a

goal met
will continue to monitor

Data Tool 2.1b

goal met
will continue to monitor

Data Tool 2.1c

goal met
will continue to monitor

Student Learning Objective 2.2

Data Tool 2.2a new evaluation mechanism implemented for class of 2016 using a new grading rubric

goal met
will continue to monitor Physics project discontinued in 2013.

Data Tool 2.2b

goal met
will continue to monitor

Student Learning Objective 2.3

Data Tool 2.3a

goal met
will continue to monitor

Data Tool 2.3b



Goal #3 : Students will employ critical thinking / problem solving skills.

Student Learning Outcome	Data Tool /Mechanism	Benchmark	Frequency/Time Frame	Responsibility	Outcome Results
3.1 Students will assess patient needs and adapt radiation therapy procedures as required.	3.1a Clinical Eval, Domain C: Caregiving ; item 1 "pt. assessment"	Mean Score item 1 \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Clinical Supervisor	2016 Sem I=3.97 Sem II=3.98 2015 Sem I=4.0 Sem II=4.0 2014 Sem I=3.90 Sem II=4.0 2013 Sem I=3.95 Sem II=4.0 2012 Sem I=3.957 Sem II=4.0
	3.1b Program Director evaluation of student; item 18 "handles stressful situations", item 19 "management of rapidly changing situations"	Mean Score items 18-19 \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I=3.94/4.0 Sem II=4.0/4.0 2015 Sem I=4.0/4.0 Sem II=4.0/4.0 2014 Sem I=4.0/4.0 Sem II=4.0/4.0 2013 Sem I=3.75/3.89 Sem II=4.0/4.0 2012 Sem I=3.875 Sem II=4.0
	3.1c Employer Survey Q-5 "Analytical/Critical thinking skills"	Mean employer response \geq 3.5 (5 point scale)	Annually (July)	Program Director	2016= 4.17 (on 5 pt scale) 2015=4.67 (on 5 pt scale) 2014= 5.0 (on 5 pt scale) 2013= 4.0 (on 5 pt scale) 2012= 4.0 (on 5 pt scale)
3.2 -Students will demonstrate the application of didactic knowledge in the clinical setting.	3.2 a Program Director evaluation of student; item 5 "application of didactic knowledge"	Mean Score item 5 \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I=3.88 Sem II=3.93 2015 Sem I=3.79 Sem II=4.0 2014 Sem I=4.0 Sem II=4.0 2013 Sem I=3.75 Sem II=3.88 2012 Sem I=3.875 Sem II=3.88
	3.2b Comprehensive Competency Exam section IIA: Cognitive Domain	Mean score \geq 95% (100 pt scale) Section IIA: Cognitive Domain	Semiannually Sem I & II min. of 2 exams/student/sem; random sample	Program Director	2016 Sem I=100% Sem II=99.4% 2015 Sem I=99.48% Sem II=100% 2014 Sem I=100% Sem II=100% 2013 Sem I=100% Sem II=100% 2012 Sem I=100% Sem II=100%

Analysis & Action Plan

Student Learning Objective 3.1

Data Tool 3.1a

goal met
will continue to monitor

Data Tool 3.1b

goal met
will continue to monitor

Data Tool 3.1c

3 of 4 surveys returned

goal met
will continue to monitor

Student Learning Objective 3.2

Data Tool 3.2a

goal met
will continue to monitor

Data Tool 3.2b

goal met
will continue to monitor



Goal #4 : Students will exhibit professional behavior.

Student Learning Outcome	Data Tool /Mechanism	Benchmark	Frequency/Time Frame	Responsibility	Outcome Results
4.1 Students will demonstrate commitment and responsibility to the radiation therapy profession.	4.1a Program Director evaluation of student; item 10 "attendance"	Mean \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I=3.88 Sem II= 4.0 2015 Sem I=3.93 Sem II= 4.0 2014 Sem I=3.75 Sem II= 4.0 2013 Sem I=4.0 Sem II= 3.75 2012 Sem I=3.875 Sem II= 4.0
	4.1b Employer Surveys, "Attendance and Punctuality" section Q-8	Mean employer response => 3.5 (5 point scale)	Annually	Program Director	2016 = 4.33 (on a 5 pt scale) 2015 = 4.67 (on 5 pt scale)3 surveys 2014 = 5.0 (on 5 pt scale) 2013 = 3.0 (on 5 pt scale) 2012 = 5.0 (on 5 pt scale)
4.2 Students will demonstrate positive attitudes.	4.2a Program Director evaluation of student; item 13 "attitude"	Mean \geq 3.5 (4 point scale)	Quarterly	Program Director	2016 Sem I= 4.0 Sem II= 3.93 2015 Sem I= 4.0 Sem II= 4.0 2014 Sem I= 4.0 Sem II= 4.0 2013 Sem I= 3.9 Sem II= 4.0 2012 Sem I= 4.0 Sem II= 4.0
	4.2b Clinical Eval, Domain A: Organization & work role ; item 3 "student attitude toward colleagues"	Mean \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Clinical Supervisor	2016 Sem I= 3.97 Sem II= 3.98 2015 Sem I= 4.0 Sem II= 3.96 2014 Sem I= 3.9 Sem II= 4.0 2013 Sem I= 4.0 Sem II= 3.92 2012 Sem I= 3.875 Sem II= 3.958
4.3 Students will exhibit ethical behavior and judgement.	4.3a RADTT 316: Medical Ethics Course, Exam 1, Situational essay	Grading Mean Score \geq 8 points (out of possible 10)	Annually (Semester I- July)	Course Instructor	2016 = 10.0 pts 2015 = 10.0 pts 2014 = 10.0 pts 2013 = 10.0 pts 2012 = 10.0 pts
	4.3b Clinical Eval, Domain Domain D: Professionalism	Mean \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Clinical Supervisor	2016 Sem I= 4.0 Sem II= 3.99 2015 Sem I= 3.99 Sem II= 3.97 2014 Sem I= 3.92 Sem II= 4.0 2013 Sem I= 3.92 Sem II= 3.87 2012 Sem I= 3.84 Sem II= 3.95

Analysis & Action Plan

Student Learning Objective 4.1

Data Tool 4.1a

Program Director Evaluation
SLO met; no action needed

Data Tool 4.1b

employer surveys
SLO met; no action needed

Student Learning Objective 4.2

Data Tool 4.2a

Program Director Evaluation

SLO met; no action needed

Data Tool 4.2b

clinical evaluation

SLO met; no action needed

Student Learning Objective 4.3

Data Tool 4.3a

medical ethics test

SLO met; no action needed

Data Tool 4.3b

clinical evaluation

SLO met; no action needed



Goal #5: Students will integrate professional growth and development practices.

Student Learning Outcome	Data Tool /Mechanism	Benchmark	Frequency/Time Frame	Responsibility	Outcome Results
5.1 Students will evaluate their clinical performance to assess professional development.	5.1a. Student self-evaluation in Tx room and Sim	Mean student response \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Student/Program Director	2016 Sem I= 3.71/3.72 Sem II=3.95/3.93 2015 Sem I= 3.65/3.5 Sem II= 3.5/3.89 2014 Sem I= 3.48 Sem II= 3.72 2013 Sem I= 3.52 Sem II= 3.88 2012 Sem I= 3.69 Sem II= 3.95
	5.1b. Exit Survey summary results, Q-1 from WVUH and FRCC	Mean \geq 4.5 (4 point scale)	Annually	Student/Program Director	2016 = 4.95/4.44 (5 pt scale) 2015 = 4.98 (5 pt scale) 2014 = 4.86 (5 pt scale) 2013 = 4.13 (5 pt scale) 2012 = 4.6 (5 pt scale)
5.2 Students will demonstrate dependability in the clinical workplace.	5.2a Clinical Eval, Domain D: Professionalism ; item 1 "Arrives on time, returns from class timely"	Mean \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Clinical Supervisor	2016 Sem I= 4.0 Sem II= 4.0 2015 Sem I= 4.0 Sem II= 3.97 2014 Sem I= 3.95 Sem II= 4.0 2013 Sem I= 4.0 Sem II= 3.84 2012 Sem I= 3.875 Sem II= 3.96
	5.2b Employer Surveys, "Attendance and Punctuality" section Q-8	Mean employer response \Rightarrow 3.5 (5 point scale)	Annually	Program Director	2016 4.33 (5 pt scale) 3 returned surveys 2015 4.67 (5 pt scale) 3 returned surveys 2014 5.0 (5 pt scale) 2013 3.0 (5 pt scale) 2012 5.0 (5 pt scale)
5.3 Students will reflect evidence of professional growth.	5.3a Clinical Eval, Domain A: Organization & Work role ; item 2 "Teamwork"	Mean \geq 3.5 (4 point scale)	Semiannually Sem I & II (Mid-term & Final)	Clinical Supervisor	2016 Sem I= 3.97 Sem II= 4.0 2015 Sem I= 3.98 Sem II= 3.97 2014 Sem I= 3.85 Sem II= 4.0 2013 Sem I= 3.95 Sem II= 3.88 2012 Sem I= 3.88 Sem II= 4.0
	5.3b Employer Surveys, "Promotability" section Q-9	Mean employer response \Rightarrow 3.5 (5 point scale)	Annually	Program Director	2016 4.00 (5 pt scale) 3 returned surveys 2015 3.33 (5pt scale) 3 surveys 2014 5.0 (5pt scale) 2013 3.0 (5pt scale) 2012 4.0 (5 pt scale)

Analysis & Action Plan

Student Learning Objective 5.1

Data Tool 5.1a separated treatment room and Sim data in 2015
goal met
will continue to monitor

Data Tool 5.1b added FRCC to report for 2016
goal met
will continue to monitor

Student Learning Objective 4.2

Data Tool 5.2a
goal met
will continue to monitor

Data Tool 5.2b Goal met: 3 of 4 employer surveys returned
goal met

will continue to monitor

Student Learning Objective 4.3

Data Tool 5.3a

Data Tool 5.3b

Goal met: 3 of 4 employer surveys returned

goal met

will continue to monitor