

Goal #1: To facilitate student learning through the integration and application of didactic theories in clinical practice.

Expected Outcome	Data Mechanism	Benchmark	Frequency	Responsibility	Status	Outcome (2008-2009)	Notes
1.1. Program structure will facilitate student learning and successful completion.	1.1a Attrition / Retention Statistics	Retention =>85% Attrition =<15%	Annually	Program Director	MET	Retention = 97% Attrition = 3% (32 out of 33 remain enrolled)	
	1.1b Program Completion Rate	Mean/year =>85%	Annually	Program Director	MET	Class of '09 = 88% 15 of 17 completed the program.	
1.2 Program structure will provide the students with the necessary didactic knowledge base.	1.2a. Didactic Grade Calculation Form, Overall Weighted Average	Mean GPA / Class / Semester => 3.00	Biannually	Program Director	MET	Semester I Fall '08 = 3.6 Semester III Fall '08 = 3.63 Semester II Spring '09 = 3.42 Semster IV Spring '09 = 3.44	
	1.2b. A.R.R.T. Annual Program Summary Report, Mean Section, Scaled Score	Mean Scores /Section => or no less than 25% of the standard deviation per category.	Annually	Program Director	MET UNMET MET MET MET	ARRT Exam - 2009 WVUH Radiation Protection = 8.4 Equipment / Operation/QC = 7.8 Image Production and Eval = 8.2 Radiographic Proc. = 8.5 Patient Care & Educ. = 8.8	US SD 25% SD 8.6 0.8 0.2 8.2 1.0 0.3 8.4 0.9 0.2 8.4 0.8 0.2 8.9 0.7 0.2
	1.2c. Grade Calculation Form, Individual Course Grades / Course completion rate	Course Completion rate => 90% of the students will successfully pass (=>78%) each didactic course per semester	Biannually	Program Director	MET	Semester I & III Fall '08 = 97% 32 of 33 students passed all didactic courses in Semesters I & III Semester II & IV Spring '09 = 97% 31 of 32 students passed all didactic courses in Semesters II& IV	
1.3 Program structure will facilitate the development of clinical competence.	1.3 Clinic Grade Calculation Form, Overall Weighted Average	Mean / Class / Semester => 90%	Biannually	Program Director	MET	Sem. I = 93.43% Sem. II = 93.14% Sem. III = 94.42% Sem. IV = 97.03%	
(1.3.1) The student will apply appropriate positioning techniques.	1.3.1a Qualifying Exam Section IB Part H. "Correct Radiographic Positioning"	Mean / Class / semester =>1.5	Biannually, random sample, min. of 15 exams /class/ semester	Clinical Coordinator	MET	Sem. I = 1.94 Sem. II = 1.94 Sem. III = 1.95 Sem. IV = 1.93	
	1.3.1b Practicum Evaluation, Section 3 "Position of Part"	85% of Section 3 scores => 3.5 (out of a 5 point scale)	Biannual (each semester) 1st year class	Course Instructor	MET	Sem I = 100% of scores =>3.5 (mean = 4.94) Sem II= 94% of scores =>3.5 (mean = 4.44)	

Goal #1 Continued

Expected Outcome	Data Mechanism	Benchmark	Frequency	Responsibility	Status	Outcome (2007-2008)	Notes
(1.3.2) The student will select, adjust, and utilize the proper exposure techniques.	1.3.2a. Exposure factor category 3a.&5b. Core Competency Exams.	85% of Core Competency exams surveyed will indicate acceptable("Yes") ratings in category 3a.&5b.	Biannually, random sample, min. of 15 exams /class/ semester	Clinical Coordinator	MET	Sem. I = 100% acceptable Sem. II = 100% acceptable Sem. III = 100% acceptable Sem. IV = 100% acceptable	
	1.3.2b. Exposure Factor Calculation Review Exercise	100% of students will complete assignment with a 78% or >("C" letter grade)	Annually, Semester II, prior to Comp. Final exam	Course Instructor	MET	100% scored = or >78%. Low = 79% High =100% Mean = 94%	
(1.3.3) The student will utilize appropriate radiation protection procedures	1.3.3a OSL dosimeter report. Quarterly dose equivalent	100% of students will document a quarterly occupational dose equivalent exposure of =< 40 mRem / Q	Quarterly	Clinical Coordinator	MET	Q3 '08= Min=0mR, Max = 38 mRem Q4 '08= Min = 0mR, Max = 10 mRem Q1 '09= Min = 0 mR, Max = 9 mRem Q2 '09= Min = 0 mR, Max = 16 mRem	
	1.3.3b. Student Evaluation form, Section IC "Radiation Protection"	Mean Score/Section IC/ Semester => 7.0 (10 point scale)	Biannually, random sample, min. of 15 evals. /class/ semester	Clinical Coordinator	MET	Sem. I = 8.08 Sem. II = 8.38 Sem. III = 9.78 Sem. IV = 9.30	
1.4 Students will identify that the program's structure & resources were effective in facilitating learning	1.4a Post-Exit Survey results	Mean Overall Score (Q1-5, Program assessment section) => 4.0 (on a 5 point scale)	Annually (July)	Program Director	MET	Mean Overall Score = 4.90 (n=10)	
	1.4b Post-Exit Survey, Program recommendation section	90% of graduates would recommend the program to others.	Annually	Program Director	MET	100% indicated that they would recommend the program to others. (n=10)	
	1.4c. Instructor Evaluations, Full time faculty	Mean Score / Instructor / Semester = > 4.0 (on a 5 point scale.	Biannually, random sample, One course /instructor/Sem	Program Director	MET	Instructor 1= 4.95 (RADT 125) & 4.72 (RADT Instructor 2= 4.89 (RADT 126) & 4.97 (RADT Instructor 3= 4.93 (RADT 133) & 4.69 (RADT Instructor 4= 4.91 (RADT 117) & 4.95 (RADT	

Goal #2: To provide students with diverse and comprehensive educational opportunities that promote the development of communication and critical thinking / problem solving skills.

Expected Outcome	Data Mechanism	Benchmark	Frequency	Responsibility	Status	Outcome (2008-2009)	Notes
2.1 Students will communicate effectively in the healthcare environment	2.1a. Comprehensive Exam, Section 1A, Part "D" score Pt. Care & Communication Skills	Mean / class / semester =>1.5	Biannually, random sample, min. of 15 exams /class/ semester	Clinical Coordinator	MET	Sem. I (Juniors) = 2.0 Sem II (Juniors) = 2.0 Sem III (Seniors) = 2.0 Sem IV (Seniors) = 2.0	
	2.1b Image Analysis Presentations, Presentation component, Section "J"	Mean =>4.0	Biannual (each semester) 1st year class	Course Instructor	MET	4.05 = Semester I 4.47 = Semester II	
	2.1c. Employer Survey, Communication Skills Section	Mean employer response => 3.5 (5 point scale)	Annually (July)	Clinical Coordinator	MET	Mean = 4.25 (n=4)	
2.2 Students will apply the problem-solving and critical thinking skills necessary to function effectively in the healthcare environment	2.2a Employer Surveys, Analytical & Critical Thinking Skills section	Mean employer response => 3.5 (5 point scale)	Annually (July)	Clinical Coordinator	MET	Mean = 4.25 (n=4)	
	2.2b Comprehensive Exam, Section IA, Performance Evaluation	Mean / class / semester = >18% (out of a possible 20%)	Biannually, random sample, min. of 15 exams /class/ semester	Clinical Coordinator	MET	Sem. I = 20% Sem II = 19.46% Sem III = 20% Sem IV = 20%	
	2.2c Trauma Qualifying exam	85% of students will achieve a score =>90% (B letter grade) on Trauma exam	Annually, Semester IV	Clinical Coordinator	MET	100% (15 out of 15) students scored =>90% on Trauma exam. Low = 92%	

Goal #3: To assure exceptional quality to patients, employers, and other institutions through the development of dedicated, ethical, and conscientious students.

Expected Outcome	Data Mechanism	Benchmark	Frequency	Responsibility	Status	Outcome (2008-2009)	Notes
3.1 Students will demonstrate commitment and responsibility towards the imaging profession.	3.1a Attendance records, Average days absence/ class / semester	Mean / class / semester =< 3.0 days absent	Biannual (each semester)	Clinical Coordinator(s)	MET	Sem. I = 1.67 days absent Sem II = 3.09 days absent Sem III = 1.38 days absent Sem IV = 2.56 days absent	
	3.1b. Employer Surveys, Attendance and Punctuality section	Mean employer response => 3.5 (5 point scale)	Annually (July)	Clinical Coordinator(s)	MET	Mean = 5.00 (n=4)	
	3.1c. Student Evaluation form, Section II-B (Attitude toward patients , staff, and profession)	Mean Score/Section IIB/ Semester => 7.0 (10 point scale)	Biannual (per sem) Random sample/both classes/end of each semester.	Clinical Coordinator(s)	MET	Sem. I = 9.27 Sem II = 9.40 Sem III = 10 Sem IV = 9.64	
3.2 Students will demonstrate ethical behavior and judgement.	3.2a. Medical Ethics Course, Final Exam, Situational essay	90% of students will achieve 86% (B letter grade) on situational essay.	Annually	Course Instructor	MET	100% of students achieved => 86% on essay final. Mean = 95.7%	
	3.2c. Clinical Coordinators Points Evaluation	Mean points awarded /class/semester => 3.5 (out out 5 points)	Biannual (each semester)	Clinical Coordinator(s)	MET	Sem. I = 4.93 Sem II = 5 Sem III = 4.98 Sem IV = 5	

Goal #4: To assure exceptional quality to patients, employers, and other institutions through the development of technically and professionally qualified individuals.

Expected Outcome	Data Mechanism	Benchmark	Frequency	Responsibility	Status	Outcome (2008-2009)	Notes
4.1 Graduates will be academically & clinically qualified as entry-level radiographers	4.1a. A.R.R.T Exam scores, Passing rate	A.R.R.T Exam, 1st time pass rate =>85%	Annually (July)	Program Director	MET	100%= Class of '09 15/15 passed on 1st attempt.	5 Year Pass rate (1st time)= 96.35%
	4.1b. A.R.R.T Exam scores, Mean Scaled Score	A.R.R.T Exam/Overall Mean Scaled Score => or no less than 25% of the standard deviation of the U.S. mean.	Annually (July)	Program Director	MET	WVUH Mean = 83.5 U.S. Mean = 84.8 Standard Dev. = 7.1 x 25%=1.78	
	4.1c. Comprehensive Exam Score, Semester IV, <u>Final Semester</u>	Mean Score (Midterm & Final Comprehensive exams) => 93% ("A" letter grade)	Annually (Sem IV) 2nd year class	Clinical Coordinators	MET	Sem IV(Midterm) = 98.6% Sem IV(Final) = 99.5%	
	4.1d. Post-Exit Survey Q#5 "The degree to which the didactic & clinical curriculum provided the knowledge & skills necessary to practice Radiologic Technology"	Mean Response Q#5 => 4.0 (on a 5 point scale)	Annually	Program Director	MET	Mean Overall Score (Q#5) = 5.00 (n=10)	
4.2 Employers will identify WVUH graduates as being competent imaging professionals	4.2a. Employer Surveys, Total Mean Score	Mean employer response => 4.0 (5 point scale)	Annually (July)	Program Director	MET	Mean = 4.25 (n=4)	
	4.2b. Post-Exit Survey, Job Placement rate	75% of graduates seeking employment will indicate their status as employed within six months post graduation.	Annually (July)	Program Director	MET	82% employment rate (n=11) 9 of 11 students sought & gained employment with 6 months graduation. 4 enrolled as full-time students in the imaging modalities.	5 year employment rate within 6 months graduation = 92.50%

Goal #5: To provide students with an environment that supports and promotes professional growth and development.

Expected Outcome	Data Mechanism	Benchmark	Frequency	Responsibility	Status	Outcome (2008-2009)	Notes
5.1 Students will participate in a local, state, or national conference.	5.1a. Conference CE Credit Documentation form	90% of 2nd year student attendees will document the completion of ≥ 4 CE credits	Annually (Oct / Nov)	Program Director	MET	100% (n=15) met or exceed the CE requirement at the WVSRT annual conference.	
	5.1b. Conference Research Project competition	90% of 2nd year students will participate in the exhibit or research paper competition.	Annually (Oct / Nov)	Program Director	MET	100%(n=15) submitted exhibits to the WVSRT conference.	
5.2 Student will participate in professional activities post-graduation	5.2a. Alumni Survey, CE section	80% of graduates will indicate participation in a professional activities 1 yr post graduation.	Annually (July)	Clinical Coordinator(s)	MET	100 % indicated participation in at least 1 professional activity within last year (n=5)	
5.3 Students will demonstrate professional development in the workplace.	5.3a. Employer surveys, "Promotability Section"	Mean employer response \Rightarrow 3.5 (5 point scale) relative to the graduates potential for promotion	Annually (July)	Clinical Coordinator(s)	MET	Mean =3.5 (n=4)	