

# Clark College - Radiography

## Standard One: Integrity

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### List the major strengths of this standard in order of importance

High ethical standards

Valid educational experiences.

Policies that protect students, faculty, and staff against discrimination.

Actively engages in communities of interest in ongoing program improvement.

### List the major concerns of this standard in order of importance

Students in the past cohort did not receive a student handbook initially as there was a temporary Program Director for one year.

Students are allowed to go to observation rotations during their last quarter based on completion of requirements and acceptable performance expectations. It has been identified that these rotations and the expectations can be made clearer. The Clinical Coordinator will clarify expectations and rotations in the MRAD 227 Clinical Experience VII syllabus.

Fees for distance learning and hybrid courses can be further clarified in the cost sheet.

### Provide the program's plan for addressing each concern identified

The handbook has been updated and given to the current cohort. Future cohorts will be given the handbook upon admission orientation.

The Clinical Coordinator will be updating the syllabus for MRAD 227 (fall 2014) in order to clarify the expectations for the clinical observation rotations (standard 1.2).

We are in the process of reviewing the cost sheet to identify fees for distance and hybrid courses.

### Describe any progress already achieved in addressing each concern

The MRAD student handbook was recently revised and given to the new cohort during their first week of school (January 2013). The handbook was recently updated to the radiography web site.

### Describe any constraints in implementing improvements

None.

## Objective 1.1

Adheres to high ethical standards in relation to students, faculty, and staff.

Clark's high ethical standards assure the rights of students, faculty, and staff are protected. Policies on non-discrimination, Code of Conduct, and professionalism are given to the students through the Admissions process, Medical Radiography (MRAD) Student Handbook, syllabi, and catalog. Students receive the MRAD handbook at the start of the program. The Catalog and Code of Conduct is available through the Clark web site at: <http://www.clark.edu/academics/catalog/2012/index.php?id=107>. During initial orientation to Clark students are directed to pick up the Clark College Student Handbook (with planner) at the Office of Student Life. This handbook includes information on nondiscrimination, equal opportunity, and Code of Conduct.

The faculty receives information on ethical standards through the Clark College Association for Higher Education (AHE) agreement, catalog, faculty handbook, orientation, and Clark policies on the intranet. Staff also receives information via the catalog, Clark intranet and Washington Public Employees Association Higher Education (WPEA HE) Collective Bargaining Agreement.

[MRAD student handbook professional behaviors exhibit 1.1.pdf](#)

[MRAD student handbook code of conduct exhibit 1.1.pdf](#)

[2012 E CollegeInformation exhibit 1.1.pdf](#)

[Code of student conduct web page exhibit 1.1.pdf](#)

[Section A Enrollment AID and College Life Office of Diversity and Equity pg. A36.pdf](#)

[NewFacultyOrientationChecklist-09-13-11.pdf](#)

[WPEA workplace behavior exhibit 1.1.pdf](#)

[Clark College Association for Higher Education agreement job description exhibit 1.1.pdf](#)

[Faculty handbook ethics pgs 57-57 exhibit 1.1.pdf](#)

### **Objective 1.2**

Provides equitable learning opportunities for all students.

Students rotate to a minimum of two clinical sites to assure equitable learning opportunities and fulfill the required competencies (see sample clinical schedules for 1st and 2nd year). Students that have achieved performance expectations and have completed all required competencies in their final quarter are offered the opportunity to go to specialty rotations. We do not have a clinical site that will accept male students for the mammography rotation at this time. We are actively pursuing this as an option rotation for the fall 2014 schedule.

[Clinical schedule exhibit 1.2.pdf](#)

[Student clinical schedules 2013 2012 and 2011 exhibit 1.2.pdf](#)

### **Objective 1.3**

Provides timely, appropriate, and educationally valid clinical experiences for each admitted student.

The Clinical Coordinator assigns students to their clinical site during the second quarter after evaluating the student's lab skills and readiness for placement in either a hospital or outpatient environment. The Clinical Coordinator reviews all student competencies, log sheets, and evaluations in order to make certain that students are receiving the opportunity to achieve required competencies, adequate volume of exams, and variety each quarter in order to make any adjustments in their current or future clinical schedules. Students are not assigned to clinical sites that are over one hour's driving time for more than four quarters. (See student schedules and sample log sheets Exhibits 1.3)

Students do not start their clinical rotations until their second quarter in the spring. By the time the students have completed the first quarter they have sufficient educational didactic and lab experiences in radiographic procedures and patient care to prepare them for clinical education. Students will experience two different clinical settings in order to provide a wide range of procedures for competency achievement including mobile, surgical and trauma examinations. Clinical placement is non-discriminatory in nature and solely determined by the program. The Students may have alternate schedules in order to experience mobile radiography and/or traumas. The program ensures that students do not go over 25% of their clinical hours during off hours which the Clinical Coordinator ensures by checking the student's weekly hours worksheets (see weekly hours worksheets Exhibits 1.3). In order to track off hours more efficiently the weekly hours form changed last year and was implemented in the summer 2012.

The program assures that there is always a staff technologist to student ratio of 1:1 (except for the students temporarily assigned to one technologist during uncommonly performed procedures). The recent update of clinical sites on the Portal demonstrate compliance with the list of clinical instructors and staff technologists that assure the required ratio as well as Clinical Coordinator communication with Clinical Instructors during site visits.

[Sample Student Clinical Hours Calendars and Time Sheets exhibit 1.3.pdf](#)

[Student clinical schedules 2013 2012 and 2011 exhibit 1.3.pdf](#)

[Student Examination and Repeat Log sheets exhibit 1.3.pdf](#)

### **Objective 1.4**

Limits required clinical assignments for students to not more than 10 hours per day and the total didactic and clinical involvement to not more than 40 hours per week.

The Clinical Attendance Policy as outlined in the student handbook requires that student hours are not to exceed 40 hours per week and shifts longer than eight hours may not exceed 10-hour shifts plus a mandatory 30-minute lunch break (handbook Exhibit 1.4). Most assignments are eight hours in length. Clinical assignment hours are ensured by the Clinical Coordinator by quarterly review of the student's clinical Weekly Extern Time Sheet and Student Clinical Hours Calendars (see Weekly Extern Time Sheet and Clinical Hours Calendar Exhibit 1.4).

[MRAD handbook attendance policy exhibit 1.4.pdf](#)

[Sample Student Clinical Hours Calendars and Time Sheets exhibit 1.4.pdf](#)

### **Objective 1.5**

Assures the security and confidentiality of student records, instructional materials, and other appropriate program materials.

The program maintains records in accordance with the Family Education Rights and Privacy Act (FERPA). All confidential student records are kept in a secure location in the Allied Health and faculty offices. Access to student records is limited to Clark College faculty and staff (See Exhibits 1.5 confidentiality of student records and Clark FERPA policy). Students maintain their own competencies in their clinical notebook until the Clinical Coordinator collects them at which time the clinical records are kept in a secure location.

Students review their radiation dosimeter reports monthly without any confidential information.

[MRAD handbook Confidentiality of Student Records exhibit 1.5.pdf](#)

[FERPA exhibit 1.5.pdf](#)

### **Objective 1.6**

Has a grievance procedure that is readily accessible, fair, and equitably applied.

Clark College's Medical Radiography program is committed to maintaining the highest standards of program integrity. A procedure has been developed to resolve any issues or concerns regarding student grievances (Exhibit 1.6 Grade Change/Academic Appeal Policy pg. 53, Grievances Other than Above pg. 54, and Discrimination & Harassment Policy pg. 5). Students receive this information in the student handbook upon the start of the program.

[MRAD handbook Discrimination and Harassment Policy pg. 5 exhibit 1.6.pdf](#)

[MRAD handbook grade appeal and other grievances policy exhibit 1.6.pdf](#)

### **Objective 1.7**

Assures that students are made aware of the JRCERT Standards for an Accredited Educational Program in Radiography and the avenue to pursue allegations of non-compliance with the STANDARDS.

Students are notified in their student handbook that we are working toward programmatic accreditation through The Joint Review Committee on Education in Radiologic Technology (JRCERT) and given the JRCERT web site (see handbook pg. 4, Exhibit 1.7).

[JRCERT notice to students exhibit 1.7.pdf](#)

### **Objective 1.8**

Has publications that accurately reflect the program's policies, procedures, and offerings.

Students have information available online through the catalog and MRAD web site, as well as through the Advising Office (see catalog and web site documents, Exhibit 1.8). Program policies are reviewed with the students and are available in the MRAD student handbook. Students are required to take MRAD 101 Introduction to Radiologic Technology. MRAD 101 is an online class except for a face-to-face orientation at which time we outline the program and requirements. The curriculum, checklist of requirements, point system worksheet, application and letter of intent, are available online on the MRAD web site (see exhibit 1.8).

[Medical Radiography catalog pgs exhibit.pdf](#)

[MRADCurriculum exhibit 1.8.pdf](#)

[RadiographyChecklist exhibit 1.8.pdf](#)

[MRADPointsAug11 exhibit 1.8.pdf](#)

[MRADApplication and stmt of intent exhibit 1.8.pdf](#)

## **Objective 1.9**

Makes available to students, faculty, and the general public accurate information about admission policies, tuition and fees, refund policies, academic calendars, academic policies, clinical obligations, grading system, graduation requirements, and the criteria for transfer credit.

Prospective students have access to program institutional policies online via the Clark and Radiography web sites and catalog (see Exhibits 1.9). The MRAD student handbook has recently been added to the Radiography web site. We go over important requirements such as the background check and drug screen with the students during the accepted student orientation and also review the handbook at the start of the program. All students are required to attend the MRAD 101 orientation which also includes a program overview.

[Admissions & Financial Aid How to Apply Admissions Tuition Grades exhibit 1.9.pdf](#)

[Advising and Registration Refunds Dates Withdrawals Transfer exhibit 1.9.pdf](#)

[About Clark Policies and Procedures exhibit 1.9.pdf](#)

[Support and Services home page Commencement and apply for a degree exhibit 1.9.pdf](#)

[academic calendar exhibit 1.9.pdf](#)

[Schedule Medical Rad spring 2013 exhibit 1.9.pdf](#)

[MRADUponAcceptance exhibit 1.9.pdf](#)

[MRAD web site FAQs exhibit 1.9.pdf](#)

[MRAD 141 syllabi with grade policy pgs. 5and6 exhibit 1.9.pdf](#)

[Course and clinical schedules exhibit 1.9.pdf](#)

[MRAD handbook drug screen pg 41 exhibit 1.9.pdf](#)

[MRAD handbook grading policy and graduation exhibit 1.9.pdf](#)

[MRAD handbook student agmt exhibit 1.9.pdf](#)

## **Objective 1.10**

Makes the program's mission statement, goals, and student learning outcomes readily available to students, faculty, administrators, and the general public.

The program's mission statement and goals are published in the student handbook, and online via the Radiography web site (see Exhibit 1.10). Students are made known the mission and program outcomes in their student handbook.

[MRAD web site Mission Statement and Outcomes exhibit 1.10 .pdf](#)

[MRAD handbook Mission Statement exhibit 1.10.pdf](#)

## **Objective 1.11**

Documents that the program engages the communities of interest for the purpose of continuous program improvement.

We engage our communities of interest during the advisory committee meetings, clinical site visits, and surveys. Formal feedback is received by course and faculty evaluations, graduate and employer surveys, and student evaluations of clinical site.

Courses are surveyed periodically for continuous program improvement. We decided to move our Radiation Safety and Physics courses face-to-face instead of the previous online/hybrid due to concerns that were raised in the prior course surveys.

During our Advisory Committee meetings we look at continuous program improvement. One of the goals we addressed at the meeting was evaluating student selection criteria and the strategies included whether or not to incorporate an interview process or pre-entrance exam. We decided to keep the current selection criteria. We did add a Communications course to the Humanities course recommendations.

Another area we have worked in the Advisory Committee meetings are the student and graduate surveys. We sent out a survey to employers in the spring of 2012 after receiving graduate survey information from our Planning and Effectiveness department. During our February Advisory meeting we revised the graduate and employer survey questions that will go out in the spring for the December 2012 graduates (See Exhibit 1.11 for examples of the Advisory Committee work plans and other related exhibits).

[Sample faculty evaluations redacted A and B exhibit 1.11.pdf](#)

[MRAD Advisory Committee web site exhibit 1.11.pdf](#)

[Advisory Committee work plans 2012-2013 and 2011-2012 exhibit 1.11.pdf](#)

[10-23-12MRADMinutesfinal exhibit 1.11.pdf](#)

[Graduate surveys from Planning and Effectiveness 2009 10 and 2010 11 and data spread sheets exhibit 1.11.pdf](#)

[MRAD employer survey March 2012 exhibit 1.11.pdf](#)

### **Objective 1.12**

Has student recruitment and admission practices that are non-discriminatory with respect to any legally protected status such as race, color, religion, gender, age, disability, national origin, and any other protected class.

Clark College has a zero tolerance policy for any acts of discrimination or harassment of any kind. For more information, please see the Catalog Notice of Nondiscrimination, Admissions commitment from discrimination, faculty and staff union agreements on nondiscrimination, Bias-based incident protocol, Office of Diversity and Equity web site, and sample syllabus page on nondiscrimination.

[Catalog Section E Notice of Nondiscrimination and Equal Opportunity pg. E4 exhibit 1.12.pdf](#)

[admissionsapplication exhibit 1.12.pdf](#)

[Admissions nondiscrimination exhibit 1.12.pdf](#)

[WPEA nondiscrimination exhibit 1.12.pdf](#)

[AHE Faculty nondiscrimination exhibit 1.1.pdf](#)

[Faculty handbook nondiscrimination pg 18 exhibit 1.12.pdf](#)

[ClarkCollegeBiasBasedIncidentProtocol exhibit 1.12.pdf](#)

[Office of Diversity and Equity exhibit 1.12.pdf](#)

[Syllabus MRAD 227 Fall 2012 pg. 5 exhibit 1.12.pdf](#)

### **Objective 1.13**

Has student recruitment and admission practices that are consistent with published policies of the sponsoring institution and the program.

Students are selected according to the published admissions and selection criteria. The radiography admissions procedure includes a point based selection process. Advising worksheets and MRAD application are available online and in the Advising Office when meeting directly with prospective students.

Clark's Credentials Evaluations Office reviews all applications and tallies all points in the selection process. Students are then notified by Credentials when they are accepted or an alternate (see Exhibits 1.13).

[RadiographyChecklist exhibit 1.13.pdf](#)

[Sample points worksheets A and B exhibit 1.13.pdf](#)

[Sample MRAD Advising work sheet A and B exhibit 1.13.pdf](#)

[MRAD selection statistics exhibit 1.13.pdf](#)

[Sample acceptance and alternate letters exhibit 1.13.pdf](#)

#### **Objective 1.14**

Has program faculty recruitment and employment practices that are non-discriminatory with respect to any legally protected status such as race, color, religion, gender, age, disability, national origin, and any other protected class.

Clark College affirms a commitment to freedom from discrimination for all members of the College community. The College expressly prohibits discrimination against any person on the basis of race, color, national origin, sex, age, creed, religion, sexual orientation, gender identity, gender expression, marital status, presence of physical, sensory or mental disability, disabled veteran status, or Vietnam-era veteran status.

The college president delegates investigation of grievances on the basis of race, sex, creed, religion, color, national origin, age, sexual orientation, gender identity, gender expression and/or marital status to:

Darcy Rourk

Associate Vice President of Human Resources

(360) 992-2325

The college president delegates investigation of grievances on the basis of any physical, sensory or mental disability, or status as a disabled or Vietnam-era veteran to:

ADA Compliance Office (ADACO)

Room 137, Gaiser Hall

(360) 992-2580

VP 360.991.0901

[AffirmativeAction plan exhibit 1.14.pdf](#)

[Discrimination and harassment exhibit 1.14.pdf](#)

[Human Resources affirmative action equal opportunity stmt exhibit 1.14.pdf](#)

#### **Objective 1.15**

Has procedures for maintaining the integrity of distance education courses.

The MRAD program has a limited number of distance and hybrid course offerings. The following courses are online: MRAD 251 Radiographic Information Management 2 credits, and MRAD 253 Radiobiology 2 credits. There are a total of 4 credits (quarter). This represents 1% of the total program credits (out of 123 program credits).

Hybrid: MRAD 255 Advanced Modalities 1 credit (proctored exams), MRAD 279 Cross Sectional Anatomy for Imaging Professional 3 credits (proctored exams), MRAD 214 Pharmacology and IV Therapy 3 credits. There are a total of 7 hybrid credits (quarter). This represents 1% of the remaining program credits.

Our eLearning department has developed secure login procedures. There are multiple resources available to assist students and faculty utilizing the online learning management system (see exhibits 1.15).

Students have access to the estimated costs via the radiography web site and orientation. Each schedule also highlights the associated fees (see Exhibits 1.15).

[eLearning login credentials exhibit 1.15.pdf](#)

[eLearning info and tech support exhibit 1.15.pdf](#)

[eLearning FAQs exhibit 1.15.pdf](#)

[eLearning Student Resources exhibit 1.15.pdf](#)

[eLearning Faculty Resources exhibit 1.15.pdf](#)

[MRADCostSheet exhibit 1.15.pdf](#)

[MRAD schedule summer 12 fees exhibit 1.15.pdf](#)

## Standard Two: Resources

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### List the major strengths of this standard in order of importance

Clinical instructors and sites

Faculty

Student learning resources

Clark support and services

Ongoing financial resources

Administrative support

### List the major concerns of this standard in order of importance

We may be losing a clinical site at the end of the fall quarter (two clinical placements). This would affect the clinical placements for the next cohort in winter 2015 as we have two clinical sites that only take 2nd year students for 2014.

Library resources are somewhat outdated (standard 2.7).

We did not have a process for reviewing student resources.

### Provide the program's plan for addressing each concern identified

The Program Director is actively pursuing additional clinical sites.

The program will research obtaining current texts for the Cannell Library.

Prior to the start of each cohort we will review equipment and resources to assure the program has maintenance of resources that promote current and developing imaging technologies.

### Describe any progress already achieved in addressing each concern

We are in contact with one potential clinical site who is considering an affiliation with Clark next year.

Our publisher recently offered to provide a set of textbooks for our Library reserves.

We are researching additional books to add to the Library reserves that promote current and developing imaging technologies and recently added Health Physics journals and two texts to the course reserves.

### Describe any constraints in implementing improvements

There are other programs in the region that also utilize many of our clinical sites or those we are pursuing.

### Objective 2.1

Has an appropriate organizational structure and sufficient administrative support to achieve the program's mission.

The Medical Radiography (MRAD) Program is a within the Business & Health Sciences unit and division of Allied Health. The college supports the mission and outcomes of the program by providing resources and personnel as identified in the organizational charts (see Exhibits 2.1). The Program Director does not teach which allows time for other administrative duties as Director of Allied Health. The Program has clerical and functional support through the Administrative Assistant of Allied Health. The program also has administrative and managerial support through the Business and Health Science Unit Dean and Administrative Assistant.

[Allied Health Org Chart exhibit 2.1.pdf](#)

[InstructionalUnits and divisions org chart exhibit 2.1.pdf](#)

[instructionaladmin org chart exhibit 2.1.pdf](#)

[general org chart exhibit 2.1.pdf](#)



## **Objective 2.2**

Provides an adequate number of faculty to meet all educational, program, administrative, and accreditation requirements.

The program maintains a sufficient number of clinical instructors for each clinical site to ensure that there is a minimum of one clinical instructor for 10 students. Student clinical supervision is addressed in the student and clinical instructor handbook to provide a student to staff technologist ratio of 1:1 (see Exhibits 2.2).

Faculty work load is an average of 18 credit hours or equivalent per quarter, over three quarters of the academic year. The summer quarter is considered "moon lighting" for the Clinical Coordinator. Last summer 2012 the Clinical Coordinator worked under the "moon light" status. We are in the process of hiring a temporary Clinical Coordinator for this summer 2013 as the Clinical Coordinator will be off. The faculty work load is consistent with other Allied Health programs. The Program Director does not teach which allows time for other administrative duties as Director of Allied Health. The full-time Clinical Coordinator has 25% load for "other" hours for additional duties of the position.

[Radiation Practice Pt Safety studentandtech ratio exhibit 2.2.pdf](#)

[Faculty teaching load exhibit 2.2.pdf](#)

## **Objective 2.3**

Provides faculty with opportunities for continued professional development.

Clark College is committed to professional growth and development of the faculty and staff. Clark faculty and staff are encouraged to apply for funds to continue their professional development. There are opportunities for professional development funds available through various sources including Perkins and Murdock funds. The Teaching and Learning Center holds many professional development opportunities for both faculty and staff.

Professional development activities that the Program Director attended included the Accreditation Seminar/Outcomes Assessment Workshop with the Joint Review Committee on Education in Radiologic Technology November 2011 and MTMI 2 day Diagnostic Imaging Conference for Technologists for continuing education October 2012. The Clinical Coordinator went to the JRCERT accreditation seminar and ACERT conference in Feb 2012. Clark provides additional opportunities through the Teaching and Learning Center with Faculty Development programs and Employee Development events (see Exhibits 2.3).

[Faculty AHE agreement professional dev exhibit 2.3.pdf](#)

[Email Perkins funds Oct 2012 exhibit 2.3.pdf](#)

[Email Murdock funds Sept 2012 exhibit 2.3.pdf](#)

[Teaching and Learning Center web pg exhibit 2.3.pdf](#)

[TLC faculty dev programs exhibit 2.3.pdf](#)

[TLC employee dev events exhibit 2.3.pdf](#)

## **Objective 2.4**

Provides clerical support services, as needed, to meet all educational, program, and administrative requirements.

The program is supported with administrative services through the Allied Health division Administrative Assistant (see organization chart Exhibit 2.4). The Advising Office supports the program in advising of prospective students. The Credential Evaluation office supports the program by evaluating applications/transcripts and assigning points in the selection process.

[Allied Health Org Chart exhibit 2.4.pdf](#)

## **Objective 2.5**

Assures JRCERT recognition of all clinical education settings.

We have submitted documentation to the JRCERT for recognition of 14 clinical sites (see site list Exhibit 2.5):

Currently all clinical sites that students rotate through are with an affiliated clinical site (applications sent to the JRCERT).

[MRAD Clinical Sites March 2013 exhibit 2.5.pdf](#)

## **Objective 2.6**

Provides classrooms, laboratories, and administrative and faculty offices to facilitate the achievement of the program's mission.

The program has a fully equipped laboratory and classroom to support its mission and outcomes. The physical facilities are located in the T Building. There are offices for the Dean, Program Director, Clinical Coordinator, Administrative Assistants, Adjunct Faculty, and conference room which allow for private meetings with students for advising or counseling. A full time Administrative Assistant supports all the programs in Allied Health.

[MRAD handbook contact and physical resources exhibit 2.6.pdf](#)

### **Objective 2.7**

Reviews and maintains program learning resources to assure the achievement of student learning.

The classroom and laboratory have modern technology which supports learning. The classroom has a multi-media projector, computer with internet access, document camera, and white board. The laboratory includes two energized rooms, computed radiography, two work stations, gurneys, phantom parts and two whole body phantoms, two manikens that are utilized for patient transfer, sponges, lead aprons, and quality control equipment. There are books in the lab available for use for instructors or students.

Cannell Library has 23 imaging books available for students. Our computer labs and library services are all available to students and faculty. The library offers articles and databases for research that can be accessed online. Our text book publisher recently offered to send a complimentary set of text books which we will include in the Library course reserves. We are researching additional Library resources for current and developing imaging technologies to add to the course reserves. The Clinical Coordinator and Program Director reviewed needed equipment and proposed the needs to the Advisory Committee who approved these items February 2013. The Program Director submitted a grant proposal for a refurbished C-arm and mobile unit March 2013. We should find out in May if our proposal was approved.

[Library resources exhibit 2.7.pdf](#)

[Draft 2-19-13 MRAD Minutes exhibit 2.7.pdf](#)

### **Objective 2.8**

Provides access to student services in support of student learning.

Students are given information on what types of student services are available through their student handbook under Support and Services. Student services include: Disability Support Services, Financial Aid, and Counseling Services. Students also have access to information for services through the Clark web site.

[MRAD handbook support and services and computer labs exhibit 2.8.pdf](#)

[MRAD handbook Disability Support Services exhibit 2.8.pdf](#)

[Financial Aid exhibit 2.8.pdf](#)

[Counseling and Health Center exhibit 2.8.pdf](#)

[Clark College Support and Services web page exhibit 2.8.pdf](#)

### **Objective 2.9**

Has sufficient ongoing financial resources to support the program's mission.

The Medical Radiography Program is funded by the state. The MRAD Program budget adequately supports all aspects of instruction.

[MRAD program budget spreadsheet exhibit 2.9.pdf](#)

### **Objective 2.10**

For those institutions and programs for which the JRCERT serves as gatekeeper for Title IV financial aid, maintains compliance with United States Department of Education (USDE) policies and procedures.

The JRCERT is not our gatekeeper.

[Letter to JRC on 2.10.pdf](#)

## **Standard Three: Curriculum and Academic Practices**

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### **List the major strengths of this standard in order of importance**

Well-structured competency-based curriculum

Learning opportunities in current and developing imaging and/or therapeutic technologies

Mission statement that defines the MRAD program's purpose with strong support from our Advisory Committee

The master plan is in place on the shared drive and in the Allied Health Office

### **List the major concerns of this standard in order of importance**

There are none at this time

### **Provide the program's plan for addressing each concern identified**

N/A

### **Describe any progress already achieved in addressing each concern**

N/A

### **Describe any constraints in implementing improvements**

N/A

### **Objective 3.1**

Has a program mission statement that defines its purpose and scope and is periodically reevaluated.

The program's mission statement is consistent with the Clark College mission. The MRAD mission statement is published in the student handbook and online on the radiography program web site. The program periodically evaluates the mission with input from the Advisory Committee (see Exhibits 3.1)

[MRAD handbook Mission Statement exhibit 3.1.pdf](#)

[MRAD web site Mission Statement page exhibit 3.1.pdf](#)

[MRAD Advisory minutes on mission statement Feb 2013 pg. 3, Jan 2012 pg. 2, and Oct 2011 pg. 2 exhibit 3.1.pdf](#)

[Clark catalog web page mission stmt exhibit 3.1.pdf](#)

### **Objective 3.2**

Provides a well-structured, competency-based curriculum that prepares students to practice in the professional discipline.

The program provides a well-structured, competency based curriculum that supports the program's mission and outcomes. The program's curriculum was developed utilizing the American Society of Radiologic Technologist's curriculum guidelines for radiography.

Most courses are on campus. There are 1% of the courses that are completely online and 1% that are hybrid. The MRAD program has a limited number of distance and hybrid course offerings. The following courses are online: MRAD 251 Radiographic Information Management 2 credits, and MRAD 253 Radiobiology 2 credits. There are a total of 4 credits (quarter). This represents 1% of the total program credits (out of 123 program credits).

Hybrid: MRAD 255 Advanced Modalities 1 credit (proctored exams), MRAD 279 Cross Sectional Anatomy for Imaging Professional 3 credits (proctored exams), MRAD 214 Pharmacology and IV Therapy 3 credits. There are a total of 7 hybrid credits (quarter). This represents 1% of the remaining program credits.

Courses are structured so that students learn the didactic portion prior to clinical education. The courses are sequenced so that students will build upon learning from beginning to advanced procedures. Students will be evaluated on clinical procedures every quarter in either lab or clinical or both. The students learn in the lab prior to going to the clinic. Clinical coursework starts in the 2nd quarter. Competency requirements are based on the American Registry of Radiologic Technologist's guidelines. The program curriculum is comprehensive, appropriately sequenced, and provides student evaluations. Student's perform increasingly more difficult radiologic examinations on patients under direct supervision of a technologist until competency has been achieved. The MRAD 102 Introduction to Patient Care course is during the 1st quarter which includes the competencies for patient transport, equipment, and vital signs. The MRAD 214 Pharmacology and IV Therapy course is in the 4th quarter which includes competencies for veinipuncture and sterile and aseptic technique.

Students are evaluated based on competencies and Clinical Instructor Evaluation. Students receive all clinical forms from the Clinical Coordinator via the online management system. Clinical courses include seven separate quarters. Clinical course requirements include the following documentation.

- Initial facility orientation documentation form
- Individual Education Plan (IEP) with dates of achievement noted.
- Clinical Exam Record
- Pre- Competencies
- Competencies
- Student Clinical Hours Calendar including daily sign in/out sheets, monthly calendars, evening (after 7pm) and weekend hours totaled separately
- Student exam log sheets including:
  - Total # exams
  - Total solo # exams
  - # repeated solo images
- Clinical Instructor Evaluation
- Student Evaluation of Clinical Site

[Radiography Curriculum Analysis Grid 2012.doc](#)

[MRAD handbook course schedule pg 9 exhibit 3.2.pdf](#)

[Clinical schedules and competency requirements pgs21 26 exhibit 3.2 .pdf](#)

[MRAD handbook ARRT comp requirements exhibit 3.2.pdf](#)

[Sample Student Records Master Checklists exhibit 3.2.pdf](#)

[Sample pre comp and comps 1st and 2nd yr exhibit 3.2.pdf](#)

[Sample Clinical Instructor Evaluation of Students exhibit 3.2.pdf](#)

[Sample Student Clinical Hours Calendars and Time Sheets exhibit 3.2.pdf](#)

[Sample Student Individual Education Plan exhibit 3.2.pdf](#)

[Revocation of Competency exhibit 3.2.pdf](#)

[Student Examination and Repeat Log sheets exhibit 3.2.pdf](#)

### **Objective 3.3**

Provides learning opportunities in current and developing imaging and/or therapeutic technologies.

Students learn about developing imaging and therapeutic technologies in MRAD 216 Radiographic Pathology, MRAD 255 Advanced Modalities, and during MRAD 279 Cross Sectional Anatomy For Imaging Professional courses. During the final quarter of the program students are allowed to rotate to developing imaging and/or therapeutic technologies after completing all required competencies and achieving performance expectations.

[MRAD handbook course descriptions pgs 14 16 exhibit 3.3.pdf](#)

[MRAD handbook clinical expectations pg 26 exhibit 3.3.pdf](#)

#### **Objective 3.4**

Assures an appropriate relationship between program length and the subject matter taught for the terminal award offered.

The program is eight quarters in length. The program of study includes didactic and clinical education. Successful completion of all course requirements results in an Associate of Applied Science Degree and eligibility to take the American Registry of Radiologic Technologist's examination in Radiography. The program curriculum outlines the sequence of courses (Exhibit 3.4) over the eight quarters with 123 quarter credits. The catalog includes the MRAD AAS requirements. Note: MRAD 013 Skills Enhancement Lab III for the 6th quarter was a recent addition and is not yet reflected in the catalog. Students were made aware of this change during orientation and in the handbook.

[MRAD handbook course schedule pg 9 exhibit 3.4.pdf](#)

[Catalog MRAD AAS requirements exhibit 3.4.pdf](#)

#### **Objective 3.5**

Measures the length of all didactic and clinical courses in clock hours or credit hours.

The program measures the length of all didactic and clinical courses in quarter credit hours. The Clark College Admissions & Financial Aid web site gives a basic description on the quarter system and credit hours. There is one lecture hour for each credit hour, two laboratory hours for each credit, and three clinical hours per credit which is determined on the original Course Action Request that goes through our Curriculum Committee (see sample Exhibit 3.5).

Credits are indicated on the course descriptions which are included in the handbook and catalog. Credits are indicated on the Course Schedule with a summary of lab and clinic hours (handbook pg 9). Clinical days, hours, and weeks are indicated in the Clinical Schedule (handbook page 25). Each syllabus indicates required hours. (see Exhibits 3.5).

[AdmissionsandFinancial Aid credit hour web pg exhibit 3.5.pdf](#)

[MRAD 227 Course Action Request CAR exhibit 3.5.pdf](#)

[MRAD handbook course descriptions pgs 10 16 exhibit 3.5.pdf](#)

[Course and clinical schedule exhibit 3.5.pdf](#)

[MRAD 141 syllabus pg. 1 exhibit 3.5.pdf](#)

[Syllabus MRAD 227 Fall 2012 exhibit 3.5.pdf](#)

#### **Objective 3.6**

Maintains a master plan of education.

A Master Plan of Education was developed for the program in accordance with the Joint Review Committee in Education in Radiologic Technology (JRCERT) standards. A copy of the Master Plan is in hardcopy in the Allied Health office and electronically on the MRAD hard drive. Students are made aware of the master plan in the student handbook page 4 and acknowledge this via the student agreement on page 67 (see Exhibits 3.6).

[MRAD MASTER PLAN Table of Contents.pdf](#)

[MRAD handbook master plan pg 4 exhibit 3.6.pdf](#)

[Student agreement master plan pg 67 exhibit 3.6.pdf](#)

#### **Objective 3.7**

Provides timely and supportive academic, behavioral, and clinical advisement to students enrolled in the program.

Any student that is not succeeding academically typically receives an Academic Early Warning (AEW) which is the method that most instructors utilize to communicate with their students about any behaviors that are interfering with the student's success in their class. Enrolled students meet with the Clinical Coordinator each quarter to go over their individual education plan for clinical advisement. Behavioral issues are addressed one-on-one with the student. (see Exhibits 3.7)

[Sample Student Individual Education Plan exhibit 3.7.pdf](#)

[MRAD handbook Academic Early Warning pg. 40 exhibit 3.7.pdf](#)

### **Objective 3.8**

Documents that the responsibilities of faculty and clinical staff are delineated and performed.

The Medical Radiography Program is within the Business and Health Sciences Unit, division of Allied Health. The program is supported by the Administrative Assistant for Allied Health. The Director's duties include assuring effective program operations, evaluation and leadership. The Clinical Coordinator's duties include coordination of clinical education, maintains student clinical records, cooperates with the program director in periodic review and revision of clinical course materials, and provides course instruction.. Adjunct faculty provide course instruction and for the summer 2013 clinical coordination. Clinical instructors supervise and evaluate students. All Clark College staff and clinical instructors at each facility support the fulfillment of the program's mission and outcomes. Clinical instructors receive a Clinical Instructor handbook which includes roles and responsibilities, all program policies, clinical guidelines, and copies of clinical competency forms.

[Director of Allied Health position description exhibit 3.8.pdf](#)

[Clinical Coordinator job description exhibit 3.8.pdf](#)

[Clark Assn for Higher Ed AHE agmt faculty job description exhibit 3.8.pdf](#)

[Clark College Assn. for Higher Education AHE agmt adjunct faculty job description exhibit 3.8 .pdf](#)

[MRAD Clinical Instructor handbook exhibit 3.8.pdf](#)

### **Objective 3.9**

Evaluates program faculty and clinical instructor performance regularly to assure instructional responsibilities are performed.

Evaluation of faculty is a critical component of tenure recommendations. Evaluation of probationary faculty members (academic years 1- 3) include student evaluations, peer review, self-report, and teaching observation by the Director of Allied Health (see tenure policy). Tenured faculty are formally evaluated once every 5th year. Adjunct faculty are evaluated by students once during years 1-3, twice during years 4-7, and 3 times during an eight year cycle thereafter. Faculty receive a e-mailed copy of the evaluation summary (see Exhibits 3.9).

Students evaluate clinical sites and instructors each quarter. Clinical instructors receive evaluation feedback regularly from the Clinical Coordinator (see sample evaluations Exhibit 3.9).

[Clark College Assn. for Higher Ed AHE agrmt faculty tenure policy exhibit 3.9.pdf](#)

[Clark intranet web page for tenure evaluation forms exhibit 3.9.pdf](#)

[Sample faculty evaluations A and B exhibit 3.9.pdf](#)

[Sample Clinical Site Evaluation summaries spring 2012 and fall 2012 exhibit 3.9.pdf](#)

## **Standard Four: Health and Safety**

---

### **List the major strengths of this standard in order of importance**

Students are protected in health and safety with procedures and policies in place.

Policies and procedures ensure that radiation safety is promoted.

The clinical instructors and sites are supportive in maintaining compliance with supervision policies.

Clark College maintains continued support of student health and safety with policies that are in place that protect students.

### **List the major concerns of this standard in order of importance**

The Student Health office recently lost their full-time Nurse Practitioner.

### **Provide the program's plan for addressing each concern identified**

Clark's Environmental Health and Safety Office is in the process of revising accident procedures as we no longer have a Nurse Practitioner available to order a blood test for an accidental needle-stick through the Student Health Office.

### **Describe any progress already achieved in addressing each concern**

Clark College is in the process of reviewing these accident response procedures in the Blood Borne Pathogens committee.

### **Describe any constraints in implementing improvements**

None.

### **Objective 4.1**

Assures the radiation safety of students through the implementation of published policies and procedures that are in compliance with Nuclear Regulatory Commission regulations and state laws as applicable.

Students receive radiation safety guidelines during the handbook review and also prior to their first radiography lab. The student is required to fill out a Previous Radiation Exposure form in order for the Program Director to monitor the students' lifetime dose limits. Students receive a monthly radiation dosimeter and are required to view and initial their dosimetry reports. The students are also notified by e-mail so they can view their records in a timely manner through Landauer's online account. Exposures exceeding recommended levels will be investigated by the Program Director. An action plan will be developed if students exceed the dose limit. The action plan may include issuing clinical rotation adjustments, taking an incomplete that quarter (if the dose exceeds the limit), or readmission with the next cohort (see handbook radiation safety page 34 and other related Exhibits 4.1).

Note: The final dosimetry records for the graduating cohort (Dec 2012) were mailed to each graduate.

[MRAD handbook radiation safety exhibit 4.1.pdf](#)

[Radiation monitoring badge exhibit 4.1.pdf](#)

[MRAD handbook Previous radiation work experience form exhibit 4.1 .pdf](#)

[Email notifying students of Landauer report availability exhibit 4.1..pdf](#)

[Landauer radiation dosimeter report Dec to Jan 2013 and Nov to Dec 2012 exhibit 4.1.pdf](#)

## Objective 4.2

Has a published pregnancy policy that is consistent with applicable federal regulations and state laws, made known to accepted and enrolled female students, and contains the following elements:

<ul>

<li>

Written notice of voluntary declaration,

Option for student continuance in the program without modification, and

Option for written withdrawal of declaration.

</li>

Students are provided the Student Pregnancy policy in their student handbook. The policy provides information for pregnant students to voluntarily notify the Program Director of their condition. Included in the handbook are forms for: Student Declaration of Pregnancy, Student Pregnancy Instruction Acknowledgement, and Student Pregnancy Release. Pregnant students will receive the United States Nuclear Regulatory Commission Guide 8.13 Instruction Concerning Prenatal Radiation Exposure, Guide 8.29 Instruction Concerning Risks From Occupational Radiation Exposure, and discuss this information with the Program Director.

Students are given the option of withdrawing from the program at any time and re-entering at a later date, remaining in the program without modification, and withdrawing from their declaration of pregnancy at any time. Pregnant students that remain in the program will be issued an additional radiation monitor to be worn at the waist level.

[MRAD handbook student pregnancy policy exhibit 4.2.pdf](#)

[MRAD handbook pregnancy forms exhibit 4.2.pdf](#)

## Objective 4.3

Assures that students employ proper radiation safety practices.

Students receive instruction in radiation protection practices prior to clinical education during their 1st quarter with the MRAD 104 Radiation Safety (see course and clinical schedules Exhibit 4.3). Students also learn and practice radiation protection during the Radiographic Positioning I, II, III, IV, and V courses and labs as well as their practice skills labs MRAD 011, 012, and 013 (1st through 6th quarters) along with the clinical education courses. In the 7th quarter students take MRAD 253 Radiobiology reinforcing radiation safety practices (see related syllabi Exhibits 4.3). The students start taking x-rays in the clinic during their 2nd quarter after receiving radiation safety guidelines. Students wear their radiation dosimeter badges while attending all labs and clinical education. Students practice radiation protection in the clinical setting and laboratory throughout the program.

The energized lab is automatically locked when the door is shut. Students using the energized laboratory are supervised at all times by a qualified radiographer who is readily available.

[MRAD handbook radiation safety exhibit 4.3.pdf](#)

[MRAD handbook rad lab safety rules exhibit 4.3.pdf](#)

[Course and clinical schedule exhibit 4.3.pdf](#)

[MRAD 104 Radiation Safety and MRAD 253 Radiobiology syllabi exhibit 4.3.pdf](#)

## Objective 4.4

Assures that medical imaging procedures are performed under the direct supervision of a qualified radiographer until a student achieves competency.

Students are under direct supervision of radiographic procedures until competency has been achieved. Mobile procedures including c-arm and repeat x-rays will be under direct supervision at all times. Students are made aware of this policy during their handbook orientation. Students sign a Student Agreement form acknowledging that they understand the student handbook and have had their questions answered. Clinical instructors are oriented and given a copy of the policies and procedures in the Clinical Instructor handbook. Students will be reminded of this policy through discussions with the Clinical Coordinator and an online clinical review quiz (questions #3, 10, 16, & 18). Clinical instructors will be periodically reminded of the standard during meetings with the Clinical Coordinator or Program Director or via e-mail. Clinical instructors are expected to inform the staff technologists of this standard during staff meetings.



[MRAD handbook radiation safety supervision exhibit 4.4.pdf](#)

[MRAD handbook student agmt exhibit 4.4.pdf](#)

[Email to Clinical Instructors on supervision exhibit 4.4.pdf](#)

[Email from Legacy Mt Hood on staff meeting minutes on student supervision exhibit 4.4.pdf](#)

[Email from PeaceHealth SW on staff meeting minutes on student supervision exhibit 4.4.pdf](#)

[PeaceHealth St John student supervision exhibit 4.4.pdf](#)

[Clinical Review Quiz and grade sheet summer 2012 exhibit 4.4.pdf](#)

#### **Objective 4.5**

Assures that medical imaging procedures are performed under the indirect supervision of a qualified radiographer after a student achieves competency.

Students that have achieved competency are required to perform procedures under indirect supervision as stated in the student handbook page 33. We orient the students to the supervision requirements and they receive a copy of the policy in the Student Handbook for reference (online on the MRAD web site and given during the handbook orientation). The student will periodically be reminded in class and/or clinical discussions of proper indirect supervision procedures and an online quiz (Clinical Review Quiz questions 11 & 18). Clinical instructors are oriented to this policy and will be reminded in meetings with the Program Director or Clinical Coordinator or via e-mail of proper supervision procedures. Clinical instructors will instruct the staff technologists at staff meetings (see Exhibits 4.5).

[MRAD handbook rad practice pt safety indirect supervision exhibit 4.5.pdf](#)

[Clinical review quiz indirect supervision exhibit 4.5.pdf](#)

[Email to clinical instructors on indirect supervision exhibit 4.5.pdf](#)

[Email from Legacy Mt Hood and meeting minutes on indirect supervision exhibit 4.5.pdf](#)

[Email from PeaceHealth Southwest and meeting minutes on indirect student supervision exhibit 4.5.pdf](#)

#### **Objective 4.6**

Assures that students are directly supervised by a qualified radiographer when repeating unsatisfactory images.

Students are required to repeat radiographs under the direct supervision of a qualified radiographer. Students are instructed on the repeat policy when they receive a copy of the Student Handbook. Students are required to log any repeats in the Student Examination and Repeat Log which the Clinical Coordinator will review with the student each quarter. Clinical instructors are also instructed on the supervision in regards to repeats and periodically reminded of the procedure through clinical instructor meetings with the Program Director and/or Clinical Coordinator or via e-mail. Clinical instructors instruct the staff technologists during staff meetings (see related Exhibits 4.6).

[MRAD handbook Rad Safety Guidelines repeats exhibit 4.6.pdf](#)

[Clinical review quiz on repeats and supervision question 3 exhibit 4.6.pdf](#)

[Email to clinical instructors on repeats and student supervision exhibit 4.6.pdf](#)

[Email from Legacy Mt Hood and meeting minutes on repeats and student supervision exhibit 4.6.pdf](#)

[Van Rad 6-27-12 X-ray Meeting Minutes on supervision exhibit 4.6.pdf](#)

[Student Examination and Repeat Log sheets exhibit 4.6.pdf](#)

#### **Objective 4.7**

Assures sponsoring institution's policies safeguard the health and safety of students.

Clark College and the Medical Radiography program assure the health and safety of students associated with educational activities by adhering to the following policies and procedures: MRAD handbook policies on harassment, emergencies, professional behaviors, code of conduct, accidents/injuries to students, substance abuse, standard precautions - communicable diseases and injuries, and bloodborne pathogens. Clark College also maintains policies that safeguard the health and safety of students which include procedures against discrimination and harassment, emergency management, and code of conduct. There are also follow-up forms available in the Allied Health Office, radiography lab and Clark intranet in case of a student or employee injury.

Clark ensures that full-time faculty and staff are trained in college policies and procedures which includes: disability in the workplace, discrimination-free workplace, drug-free workplace, emergency protocols, ethics, mandatory reporting of child abuse and neglect, sexual harassment for school employees, and student privacy rights (see Exhibits 4.7).

[MRAD handbook Discrimination and Harassment Policy pg. 5 exhibit 4.7.pdf](#)

[MRAD handbook Emergencies and Class cancellations pg. 8 exhibit 4.7.pdf](#)

[MRAD handbook professional behaviors pg. 31 exhibit 4.7.pdf](#)

[MRAD handbook Code of Conduct exhibit 4.7.pdf](#)

[MRAD handbook accidents injuries to students pg. 41 exhibit 4.7.pdf](#)

[MRAD handbook Substance Abuse policy pgs. 47-49.pdf](#)

[MRAD handbook Standard Precautions policy on communicable diseases pg. 56 exhibit 4.8.pdf](#)

[MRAD handbook Bloodborne pathogens policy pgs. 59-60 exhibit 4.7.pdf](#)

[Clark College web pages on Discrimination & Harassment exhibit 4.7.pdf](#)

[Clark College web pages on Emergency Management exhibit 4.7.pdf](#)

[Clark College web page on Student Code of Conduct exhibit 4.7.pdf](#)

[Clark intranet web page for Environmental Health and Safety accident reporting forms exhibit 4.7.pdf](#)

[Training records for Ortiz, D. King, J. and Admin Assistant Thorsen. S. exhibit 4.7.pdf](#)

#### **Objective 4.8**

Assures that students are oriented to clinical education setting policies and procedures in regard to health and safety.

All students will receive an orientation to their assigned clinical site at the start of their rotation which includes hazards (fire, electrical, and chemical) emergency preparedness, medical emergencies, HIPAA, standard precautions, and emergency codes. All students are instructed in the MRAD 102 course in: emergency preparedness, medical emergencies, standard precautions, hazards (fire and electrical), infection control, and HIPAA privacy/confidentiality laws. Students are required to take First Aid and CPR prior to admittance into the program. In addition during orientation students receive information on bloodborne pathogens, and are required to sign the confidentiality and acknowledgement of risks form.

[MRAD orientation confidentiality agreement exhibit 4.8.pdf](#)

[MRAD orientation Bloodborne Pathogens exhibit 4.8.pdf](#)

[MRAD orientation Acknowledgement of Risks electronic form exhibit 4.8.pdf](#)

[Clinical site orientation verification PeaceHealth Southwest exhibit 4.8.pdf](#)

[Clinical site orientation verification Longview Radiology exhibit 4.8.pdf](#)

[MRAD handbook confidentiality exhibit 4.8.pdf](#)

[MRAD handbook standard precautions infection control bloodborne pathogens exhibit 4.7.pdf](#)

## **Standard Five: Assessment**

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### **List the major strengths of this standard in order of importance**

Excellent credentialing examination pass rate.

Thorough outcomes assessment plan.

### **List the major concerns of this standard in order of importance**

The outcomes assessment plan, as a whole was not reviewed by the Advisory Committee. There were aspects that were presented to the committee although the entire plan was not reviewed.

Program Effectiveness Measures and Results have not been accessible by the public.

The program has a continuous improvement process with the outcomes assessment plan and Program Effectiveness Measures however, there is a need for additional program review.

### **Provide the program's plan for addressing each concern identified**

Present the up-to-date outcomes assessment data and plan to the Advisory Committee which we plan to do at the next Advisory meeting in May 2013.

Add the Program Effectiveness Measures and Results to the web site and notify the students.

The program will be reviewed by the college's Program Improvement Process Committee.

### **Describe any progress already achieved in addressing each concern**

The Program Effectiveness Measures and Results have been recently added to the program web site and shared with the current cohort, faculty, and Clinical Instructors.

### **Describe any constraints in implementing improvements**

None.

### **Objective 5.1**

Develops an assessment plan that, at a minimum, measures the program's student learning outcomes in relation to the following goals: clinical competence, critical thinking, professionalism, and communication skills.

The program's outcomes assessment plan includes each of the following clinical competence, critical thinking, professionalism, and communication skills. The MRAD outcomes are published in the student handbook, online on the program web site, and in the catalog (see Exhibit 5.1).

[MRAD handbook program outcomes pg. 3 exhibit 5.1.pdf](#)

[MRAD program web site program outcomes exhibit 5.1.pdf](#)

[MRAD catalog web page program outcomes exhibit 5.1.pdf](#)

[MRAD Outcomes Worksheets 2012-2013.pdf](#)

## Objective 5.2

Documents the following program effectiveness data:<br>

<ul>

<li>

Five-year average credentialing examination pass rate of not less than 75 percent at first attempt,

Five-year average job placement rate of not less than 75 percent within six months of graduation,

Annual program completion rate,

Graduate satisfaction, and

Employer satisfaction.

</li>

The Program Effectiveness Data is included on our MRAD Outcomes Assessment worksheets (pgs. 6 & 7). The credentialing examination pass rate is 100% since the program started (2008, 2009, 2010, and 2012). The program completion rate is 87% over four years and 90% for our last graduating class in the fall 2012. For the 2009 & 2010 graduates the job placement rate was 75% and 2010-11 100%. We will be surveying the recent graduates in May 2013.

The graduate satisfaction survey sent from our Planning & Effectiveness Office from the 2009-10 graduates had an average of 2.8 out of a scale of 1 to 3 and the results for 2010-11 graduates had 2.5 out of 1 to 3. Our next survey will be on a scale of 1 to 5 that we will be sending out directly from the Allied Health Office.

We discussed the survey questions and method in our Advisory Committee as part of our work plan. We incorporated the Committees suggestions from the Jan 2012 Advisory meeting into the Feb 2012 employer survey and additional changes to the surveys that will go out in the spring 2013 based on our follow-up Feb 2013 Advisory meeting. This new survey will go out in May 2013 for the graduates and the employer satisfaction survey will be sent out in June 2013 (see related Advisory minutes).

[ARRT Program Summary Reports 2008 to2012 exhibit 5.2.pdf](#)

[ARRT 2008 to 2012 NationalComparison report exhibit 5.2.pdf](#)

[Advisory Committee work plans 2012-2013 and 2011-2012 exhibit 5.2.pdf](#)

[Advisory Committee meeting minutes Jan 2012 May 2012 and Feb 2013 exhibit 5.2.pdf](#)

[MRAD employer survey March 2012 exhibit 5.2.pdf](#)

[Graduate surveys from Planning and Effectiveness 2009 10 and 2010 11 and data spread sheets exhibit 5.2.pdf](#)

[Program Effectiveness Data Outcomes Assessment worksheets exhibit 5.2.pdf](#)

## Objective 5.3

Makes available to the general public program effectiveness data (credentialing examination pass rate, job placement rate, and program completion rate) on an annual basis.

We recently added a document on the program web site for Program Effectiveness Measures and Results. There is information on the program web site under FAQs about the JRCERT and the JRCERT link.

[Medical radiography program home web page exhibit 5.3.pdf](#)

[MRAD web site FAQs exhibit 5.3.pdf](#)

[Program Effectiveness Measures and Results exhibit 5.3.pdf](#)

## Objective 5.4

Analyzes and shares student learning outcome data and program effectiveness data to foster continuous program improvement.

The Radiography Technology Program has a structured evaluation plan to measure program effectiveness and identify opportunities for continuing program improvement. This plan incorporates measurable student and program outcomes. The program shares and reviews this information with communities of interest including the Advisory Committee, the Outcomes Coordinator and faculty. The College Outcomes Committee approved the MRAD outcomes plan in April 2012. The Program Effectiveness Measures and Results have been recently added to the program web site. We will be sharing the outcomes assessment plan and data at our next Advisory Committee meeting in May 2013.

The program has made changes in response to the analysis of outcomes. An example of our analysis and action plan was demonstrated when we received feedback from the Advisory Committee on graduate and employer surveys. As a result of that information and process, we then revised our graduate and employer survey that is to go out in late spring 2013.

When we reviewed the outcomes assessment plan we found that we needed additional tools for patient care (clinically competent), age appropriate communication (communication skills), performing non-routine exams (critical thinking), ethical behavior and positive attitude (professionalism). We are in the process of incorporating these areas into the Clinical Instructor Evaluation and Lab Evaluation forms.

Clark College has recently adopted a committee for the Program Improvement Process (PIP). All programs will be going through this internal college review process and identifying key indicators such as program and course success. Any areas that are deficient will require an action plan by the program with assistance from the committee.

[Advisory Committee meeting minutes Jan 2012 May 2012 and Feb 2013 exhibit 5.4.pdf](#)

[Email from Outcomes Coordinator on College approval of MRAD outcomes exhibit 5.4.pdf](#)

[Medical radiography program home web page exhibit 5.4.pdf](#)

[MRAD Outcomes Worksheets 2012-2013.pdf](#)

[Clark College Program Review Process -IPT Approved 5-9-2012.pdf](#)

## **Objective 5.5**

Periodically evaluates its assessment plan to assure continuous program improvement.

The program had an outcomes assessment plan that the Clinical Coordinator and Outcomes Coordinator established for the 2010-11 academic year. The Program Director who started in July 2011 worked with the JRC and faculty in implementing the new outcomes assessment plan for the 2012-13 academic year. The program will be evaluating this plan at least every two years. We recently reviewed the 2012-13 plan with the faculty and will with the Advisory Committee in our May 2013 meeting.

[Email from Outcomes Coordinator on College approval of MRAD outcomes exhibit 5.5.pdf](#)

## **Standard Six: Institutional/Programmatic Data**

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### **List the major strengths of this standard in order of importance**

The program has dedicated faculty and Clinical Instructors.

The program has qualified clinical education settings that promote a safe environment for students and others.

### **List the major concerns of this standard in order of importance**

None at this time.

### **Provide the program's plan for addressing each concern identified**

N/A

### **Describe any progress already achieved in addressing each concern**

N/A

### **Describe any constraints in implementing improvements**

N/A

### **Objective 6.1**

Documents the continuing institutional accreditation of the sponsoring institution.

Clark College is accredited through the Northwest Commission on Colleges and Universities (NWCCU). NWCCU accreditation was reaffirmed February 27, 2012 based on the Fall 2011 Year One Evaluation which addressed Recommendation 1 of the Spring 2010 Focused Interim Evaluation Report.

[NWCCU Accreditation Feb 2012.pdf](#)

### **Objective 6.2**

Documents that the program's energized laboratories are in compliance with applicable state and/or federal radiation safety laws.

Both of the energized laboratories are in compliance with applicable state and federal radiation safety laws.

[Clark College WA State Rad Lab license exhibit 6.2.pdf](#)

[Clark College Rad Lab service records Aug 2012.pdf](#)

### **Objective 6.3**

Documents that all faculty and staff possess academic and professional qualifications appropriate for their assignments.

Clark College is committed to providing students with faculty and clinical instructors that have the professional credentials and qualifications for education in radiologic technology. All faculty and Clinical Instructors have American Registry of Radiologic Technologists (ARRT) certification in Radiography and/or an applicable state license except for our part-time instructor in physics Dr. Robert Close who has a PhD in physics. (see Exhibits 6.3).

Exhibits 6.3:

ARRT verification for all Program Officials:

Director:

Debra Ortiz

Clinical Coordinator:

Jenny King

Part-time faculty:

Julie Nylund

Ken Sailer

Heather Tanninen

Clinical Instructors:

Marv Blanco

Heather Cassavoy

JoyLynn Clark

Jeff Dreher

Cynthia Falkenhagen

Jennifer Frunz

Erin Grabenhorst

Amra Harmanson

Dawn Heckathorn

Lynn Howerton Jr.

Trisha Jensen (Cox)

Guadalupe (Lupe) Rojas

WA state licenses for Shayne Yocum, RN, RNP

[ARRT verification for Program Officials Director CC faculty exhibit 6.3.pdf](#)

[ARRT verification for Clinical Instructors exhibit 6.3.pdf](#)

[WA state licenses for Shayne Yocum RN RNP exhibit 6.3.pdf](#)

### **Objective 6.4**

Establishes and maintains affiliation agreements with clinical education settings.

The Medical Radiography Program has affiliation agreements (see Exhibits 6.4) with the following hospitals and imaging centers:

ADVENTIST MEDICAL CENTER  
10123 SE Market St.  
Portland, OR 97216 503-251-6132

GRAYS HARBOR COMMUNITY HOSPITAL  
915 Anderson Drive  
Aberdeen, WA 98520 360-532-8330

LEGACY MT. HOOD MEDICAL CENTER  
24800 SE Stark Street  
Gresham, OR 97030 503-674-1122

LEGACY SALMON CREEK  
2211 NE 139th Street  
Vancouver, WA 98686 360-487-1600

LONGVIEW RADIOLOGISTS  
700 Lincoln Street, Suite 100,  
Kelso, WA 98626 360 425-5131

PEACEHEALTH SOUTHWEST MEDICAL CENTER  
400 Northeast Mother Joseph Place  
Vancouver, WA 98664 360 514-6135

PEACEHEALTH ST. JOHN MEDICAL CENTER  
1615 Delaware Street PO Box 3002  
Longview, WA 98632 360-414-2789

PROVIDENCE CENTRALIA HOSPITAL  
914 S Scheuber Road  
Centralia, WA 98531 360-330-8606

SKYLINE HOSPITAL  
211 Skyline Dr.  
White Salmon, WA 98672 509-493-1101

THE VANCOUVER CLINIC (2 SITES)  
700 NE 87th Avenue, Suite 140 501 SE 172nd Ave., Suite 120A  
Vancouver, WA 98664 360-253-1462 Vancouver, WA 98684

VANCOUVER RADIOLOGISTS (2 SITES)  
4816-A NE Thurston Way 3250 SE 164th Avenue, Suite 108  
Vancouver, WA 98662 360-449-4941 Vancouver, WA 98683 360-944-9729

WILLAPA HARBOR HOSPITAL  
800 Alder Street PO Box 438  
South Bend, WA 98586 360-875-4505



[PORTLAND ADVENTIST MEDICAL CENTER 4-1-13 THROUGH 4-11-2015 exhibit 6.4.pdf](#)

[Grays Harbor Affiliation Agmt exhibit 6.4.pdf](#)

[Legacy Affiliation Agmt exhibit 6.4.pdf](#)

[Longview Radiologists Affiliation agmt exhibit 6.4.pdf](#)

[PeaceHealth Southwest Affiliation agmt exhibit 6.4.pdf](#)

[PeaceHealth St John Affiliation agmt exhibit 6.4.pdf](#)

[Providence Centralia Affiliation agmt exhibit 6.4.pdf](#)

[Skyline Hospital Affiliation agmt exhibit 6.4.pdf](#)

[The Vancouver Clinic Affiliation agmt exhibit 6.4.pdf](#)

[Vancouver Radiologists Affiliation agmt exhibit 6.4.pdf](#)

[Willapa Harbor Hospital Affiliation agmt exhibit 6.4.pdf](#)

### **Objective 6.5**

Documents that clinical education settings are in compliance with applicable state and/or federal radiation safety laws.

All clinical education settings are in compliance with applicable state and/or federal radiation safety laws. See copies of current recognition status or radiation inspection reports in Exhibits 6.5.

Exhibits 6.5:

The Joint Commission accreditation quality reports for:

- Adventist Medical Center
- Grays Harbor Community Hospital
- Legacy Mount Hood medical Center
- Legacy Salmon Creek Hospital
- Providence Centralia Hospital
- PeaceHealth Southwest Medical Center
- PeaceHealth St. John Medical Center

Radiation inspection reports for:

- Longview Radiologists
- Skyline Hospital
- The Vancouver Clinic - 87th Ave.
- The Vancouver Clinic CTC - 172nd Ave.
- Vancouver Radiologists – 164th
- Vancouver Radiologists – Thurston Way
- Willapa Harbor Hospital

[The Joint Commission accreditation quality reports exhibit 6.5.pdf](#)

[Longview Rad Rad Inspection Report.pdf](#)

[Skyline Rad report exhibit 6.5.pdf](#)

[TVC 87th Ave Rad Inspection report Oct 2012 exhibit 6.5.pdf](#)

[TVC CTC Rad inspection report Oct 2012 exhibit 6.5.pdf](#)

[Vancouver Rad 164th FishersLandingXrayJuly2012.pdf](#)

[Vancouver RadThurston Dec2012.pdf](#)

[Willapa Radiation Inspection Report.pdf](#)

### **Objective 6.6**

Complies with requirements to achieve and maintain JRCERT accreditation.

Since the database has been recently updated on the "Portal" and this is an initial application/self-study there are no additional updates at this time.