FY2009 DEPARTMENTAL ANNUAL REPORT OF CONTINUOUS IMPROVEMENT

Department of Allied Health Fort Hays State University

DEPARTMENTAL OVERVIEW

I.

The Allied Health Department provides students with the opportunity for careers in Medical Diagnostic Imaging to include radiologic technology, bone densitometry, cardiovascular-interventional technology, computed tomography, diagnostic medical sonography magnetic resonance imaging and mamography. The department offers two degree options: an Associate of Science in Radiologic Technology (RT) and a Baccalaureate of Science in Medical Diagnostic Imaging (MDI) or a Baccalaureate of Science in Medical Diagnostic Imaging with an emphasis in Diagnostic Medical Sonography(DMS). Approximately 30 new students are accepted into the RT program each year with an additional 45-50 students being accepted into the MDI program. The didactic education is provided with six highly qualified faculty with individual expertise in specific modalities. In addition, over 18 adjunct faculty/clinical instructors assist with the clinical education at the respective clinical affiliates throughout the state of Kansas, Nebraska, and Colorado. Graduates of the various programs are highly sought out, evident with the 100% graduate job placement of those seeking employment. In addition, several graduates each year pursue advanced health programs beyond the FHSU baccalaureate degree to include nuclear medicine, radiation therapy, physician assistant, and medicine.

A. Departmental Mission and Vision Statements

The programs offered within the Department of Allied Health are based on the foundation of Fort Hays State University, a liberal arts college, established to meet the needs of the students and communities of western Kansas. One particular community need that is becoming more evident is the lack of imaging professionals in rural areas. To help meet this increasing demand, the department strives to recruit and educate students of outstanding ability to perform this vital role in the health care team.

Through individual instruction, the programs provide excellent instruction, at both the campus and the clinical setting. In the programs, students learn the academic theory on campus and then apply their knowledge in the affiliate clinical education centers with patients under the supervision of qualified hospital staff and physicians. During both aspects of the students' training, special emphasis is given to the need for empathy and compassion for the patients.

The programs are continually evaluated to improve the educational opportunities provided to students and the quality of graduates providing health care in Kansas. By fulfilling its mission, the department improves the quality of health care throughout the state of Kansas.

B. Departmental Goals, Objectives, and Strategic Priorities

The Department of Allied Health had experienced rapid growth from 2003 to 2006 evident within the number of majors and SCH production. In 2007/2008, the department's growth stabilized and in some instances decreased slightly. Evaluating the 4-5 year averages, the department has increased overall from 2003. The SCH increased from 2925 to 3204 this past year. This resulted with new courses offered in the on-line BS and certificate programs. The department faculty continue to increase efforts in ensuring a progressive approach to implementing current technological advancements. To this end, the department goals, objectives and strategic priorities focus on these components for FY2010 while maintaining the high quality programs that are offered.

The number one department goal remains to successfully grow a quality distance education curriculum for the BS in MDI and the certificate programs. The target audience will be graduates of other radiology programs and practicing technologists who want to pursue further educational goals. Faculty members have and continue to develop new courses to be offered within the on-line BS degree and certificate programs

In conjunction with the launch of the on-line BS degree and certificate programs, a goal is to further expand recruitment efforts. The department will work with the new FHSU tag line/marketing effort and the Denver center to increase our potential recruits from the state of Colorado. The department will aim to host an event in the Denver center to promote the programs as well as establish relationships with alumni in the area.

Another department goal is to continue to increase the number of high quality clinical affiliates for the programs. The stability of clinical facilities is uncertain with increased financial constraints and reorganization. This may potentially impact the clinical component of the program and the students assigned to these facilities. It is critical to develop more partnerships/affiliations with additional medical facilities to continue growth of the various programs. The department will need to become innovative in securing these facilities and support through additional OOE funds to support the additional growth.

The department faculty evaluated and incorporated assessment techniques and revised the outdated affinity diagram for the radiology program last year. The department's goal is to ensure processes are in place for continued assessment. The academic audit will be on-going within the DMS program for the year. Faculty within the DMS program will continue with the evaluation of the Diagnostic Medical Sonography curriculum. This will be essential as documents are prepared for submission of programmatic accreditation with the Joint Review Committee on Education in Diagnostic Medical Sonography.

The Strategic Priorities are included on the Brand Essence Statement of the Allied Health Department contained within Appendix E. In addition, the Affinity diagrams for the department programs are found within Appendix A.

C. Department Productivity and Distinctive Accomplishments

The department was successful in conducting a national search and recruiting a new full-time faculty member responsible for coordinating the distance education components of the BS in MDI and advanced specialty certificate programs. Ms. Lisa Carpenter oversees the programs. New virtual college courses have been and continue to be developed to be offered as part of the on-line advanced certificate and/or BS in MDI program successfully launched in the spring of 2009.

The productivity of the Department of Allied Health excels in various instructional, service and scholarly activities. The following is a summation of the productivity and distinctive accomplishments in each area:

<u>Instructional/Advising Activity:</u>

- In FY 2009, the number of courses being taught in the department increased with the successful Spring launch of the on-line BS in MDI and certificate programs. The SCH production increased from 2925 to 3204, approximately 9.5%, compared to a 4% decrease in FY 2008. The SCH average over the past 5 years is approximately 3200. The number of first majors decreased slightly this past year, falling below the 214 five year average. The SCH per FTE is approximately 460.
- The department faculty recruitment efforts continue to remain steady in terms of participation in activities. However, the effort made to recruit students for the on-line BS in MDI and advanced certificate programs has greatly increased. The faculty expended their efforts within recruitment activities through campus activities, attendance at SRPs, and participation in career days, such as the Ellsworth High School and community career day. The department continues to host an open house during the first week of school for prospective students to visit. The department contacted over 1144 prospective students throughout Kansas, Nebraska, Missouri, Oklahoma, Arizona, and Colorado for the RT, MDI, and MDI with emphasis in ultrasound programs. The department contacts increased from 565 in the prior year.
- The utilization of the tablets and DyKnow software continues to expand within several additional courses within the department. More importantly, faculty became more knowledgeable in the implementation of the various tools. Faculty are more aware through various workshops, departmental discussions, and interactions with other DyKnow faculty users of how and when to implement the various applications. Several faculty have provided CTELT workshops relative to the use of DyKnow within the classroom and virtual setting.
- FHSU students participated in various activities of the annual Kansas Society of Radiologic Technologists state meeting held in Hays, KS in April. The students participated in the Ray Bowl Competition (quiz bowl), in which students compete against other students from radiology programs across Kansas. FHSU students, Jennifer Conway and Gareth Hampton tied for the highest overall score on the written examination component competing against 90+ other students throughout the state. Since the inception of this competition, FHSU students have earned this great achievement 8 out of the 10 past years. In addition, in the team competition, the FHSU team consisting of Katie Ballou, Jennifer Conway, and Gareth Hampton placed first in the final competition. FHSU Radiology students have placed 1st, 7 of the past 9 years and placed 2nd in the other years. Students also had the opportunity to enter the scientific exhibit,

and radiographic film competitions. FHSU students swept the scientific exhibit competition with Jennifer Conway, Breanna Maltby, and Cal Ziegler taking 1st, 2nd, and 3rd places. Heather Balthazar placed 1st in the radiographic essay competition, with Katie Girard securing 3rd. Breanna Maltby placed 3rd in the student general lateral knee competition. April Overmiller was awarded the most interesting case, being selected over all student and technologist entries. The FHSU Allied Health Department was very well represented by outstanding student achievements.

• Two FHSU students, Riana Legleiter and Jessica Rehmer, were selected to serve as a student mentor and the student representative, respectively, for the KSRT for the 2009-2010 year.

Service/Scholarship Activities:

- Dr. Mike Madden authored Diagnostic Imaging of Cerebrovascular Injury and co-authored with Nowalczyk, Writing a Case Report, within the *Journal of Radiologic Technology*.
- Ms. Christa Weigel submitted for publication within the Association of Educators in Imaging and Radiologic Science journal, Integration of Tablet Computers and DyKnow into a Radiologic Science Curriculum.
- Ms. Denise Orth, presented, Best Educational Practice: Teaching Vital Signs Using Simulation, at the FHSU Annual Multidisciplinary Practice Conference, Hays, KS and also as an invited speaker at the Inland Northwest Health Sciences Research Symposium in Spokane, WA.
- Ms. Christa Weigel presented, Digital Mamography What Has It Given Us, at the Kansas Society of Radiologic Technology Annual Convention.
- Ms. Christa Weigel, Ms. Brenda Hoopingarner, Mr. Bill Weber & Ms. Hong Wang co-presented, DyKnow Implementation at FHSU, at the DyKnow Users Group Meeting in Indiana.
- Ms. Brenda Hoopingarner & Ms. Jennifer Wagner co-presented, Pen-Based Technology, at Seattle University Educators Summit in Milwaukee, WI
- Dr. Mike Madden presented, Imaging and Sectional Anatomy of the Abdomen, at the Kansas Society of Radiologic Technologist Spring Symposium.
- Ms. Brenda Hoopingarner presented, The Breast: Sounding Off, at the Kansas Society of Radiologic Technologist Annual Convention, Hays, KS.
- Ms. Denise Orth was the invited Memorial Lecturer for the Kansas Society of Radiologic Technology Annual Convention, Topeka, KS.
- Ms. Christa Weigel and Ms. Brenda Hoopingarner presented, Using DyKnow to Engage Students in Blended and Online Learning, for the FHSU CTELT Faculty Development Workshop.
- Dr. Mike Madden continues to serve as a member of the editorial review board of the Radiologic Technology Journal of the American Society of Radiologic Technologis and Association of Educators in Radiologic Sciences Journal.
- Denise Orth was re-elected to the American Society of Radiologic Technologists Practice Standards Advisory Council and is President-Elect.

II. DEPARTMENTAL PERFORMANCE METRICS

A. Department Performance Indicators

Key Performance Indicator	FY2005	FY2006	FY2007	FY2008	FY2009
Freshmen	40	38	44	41	35
Transfer Students	25	18	25	17	9
Undergraduate (first majors/second majors)	229/60	219/87	219/69	213/72	192/73
Major Retention	71.28%	66.36%	67.62%	63.68%	62.87%
Undergraduate Student Credit Hours	3402	3450	3044	2925	3204
Graduate Student Credit Hours	0	2	0	0	0
Tenured or Tenure-track Faculty (Headcount)	4	3	5	5	5
Non Tenure-Track Faculty (Headcount)	2	3	1	1	2
Other Faculty (Headcount/Sections Taught)	0	0	0	0	0
Undergraduate Degrees	60	86	82	59	72

Briefly note 2-3 improvements over the last year prompted from the above enrollment indicators.

The department developed new course offerings and successfully launched the on-line BS in MDI and advanced certificate programs. The new programs offer practicing radiographers and/or graduate radiographers opportunities to earn CEU's, take coursework to prepare for advanced certification or completion of a BS degree.

Number of books, book chapters, and refereed articles published	2	8	8	6	2
Percent of faculty publishing refereed books, chapters, or articles	33%	33%	50%	66%	14%
Number of non-refereed articles and presentations	21	3	10	9	12
Percent of faculty publishing non-refereed articles or presentations	100%	50%	83%	83%	71%
Number of scholarly performances and other creative activities	0	5	4	0	6
Percent of faculty in scholarly performances or other creative activities	0%	66%	50%	0%	43%
Total number of external grant applications submitted/percent of faculty submitting	2/33%	2/17%	0/0%	0/0%	1/14%
Total number of funded external grants/percent of faculty funded	2/33%	4/33%	1/16%	1/16%	1/14%

Briefly note 2-3 improvements over the last year prompted from the above scholarly/creative activities indicators.

Increased scholarly presentations, as FHSU faculty were sought out to present at the Annual Kansas Society of Radiologic Technology meeting in Hays, KS in 2008. Also, faculty was invited to present topics at state and regional meetings.

Key Performance Indicator	FY2005	FY2006	FY2007	FY2008	FY2009
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Direct Outcome 1 Pass rate for ARRT Radiologic Technology Examination	100%	97%	100%	100%	(pass rates not reported by ARRT at this time)
Direct Outcome 2					
Ratio of FHSU pass rate (%) for ARDMS examinations for Diagnostic Medical Sonography Program/national pass rate (%) of each ARDMS exam: -Abdomen -OB/GYN -Ultrasound Physics -Vascular Physics -Vascular Tech	100/58.2% N/A 80/58.6% 67/66.18% 33/59.6%	100/80.6% 100/63.3%	-	100/61% 100/74% 100/56% 100/62% 100/61%	(pass rates not reported by ARDMS at this time)
Indirect Indicator 1					
RT Clinical preparedness Survey question "how adequately did the program prepare you in the following area: Patient Care"	4 Needs	V well-6 Well-10 Adequate- 0 Needs Improve-0	V Well-11 Well-11 Adequate- 1 Needs improve-0	V-Well-17 Well-11 Adequate- 1 Needs improve-0	N/A
Indirect Indicator 2					
RT Clinical preparedness survey question "how adequately did the program prepare you in the following area: Exposures & technical aspects"	V well-17 Well-8 Adequate- 3 Needs Improve-0	V well-2 Well-3 Adequate- 8 Needs Improve-2	V well-5 Well-11 Adequate- 6 Needs Improve-1	2 Needs	N/A
Senior students' Level of Academic Challenge			54.86	48.95	55.93
Senior students' Active and Collaborative Learning			50.89	44.05	48.72
Senior students' Student-Faculty Interaction			55.11	51.66	65.95
Senior students' Enriching Educational Experiences			42.77	38.44	32.96
Senior students' Supportive Campus Environment			65.28	63.19	71.83

Briefly note 2-3 improvements over the last year prompted from the above student learning/engagement indicators.

Faculty increased the use of practical learning activities or laboratory experiments to reinforce difficult concepts on campus prior to placement in the clinical setting. Specifically, radiographic exposures implemented an additional exposure laboratory to conduct applicable experiments relative to technical factors. In addition, the use of simulation, through the nursing laboratory, was implemented within the patient care courses to provide more real life scenarios in patient assessment.

Key Performance Indicator	FY2005	FY2006	FY2007	FY2008	FY2009
[NOTE: Departments may pick up to three key perform captured above. These measures could be used to trace might include: number of SRPs attended, number of n based on goals.)]	k departme	ntal results o	on specific y	early goals.	Examples
Outcome/Indicator 1 -Contact with prospective students through department brochure information requested & mailed	515	713	437	565	1664
Outcome/Indicator 2 - Faculty attendance/support at Scholarship Recognition Programs/percent of faculty participating	5/6=83.3% (5 of the 6 faculty attended all SRP programs with awardees attending	6/6=100% (All 6 faculty attended all SRP programs with awardees attending	5/6=83.3% (5 of the 6 faculty attended all SRP programs with awardees attending with the exception of Denver)	6/6=100% (All 6 faculty attended all SRP programs with awardees attending)	6/7=85.7% (6 of the 7 faculty attended all SRP programs with awardees attending)
Outcome/Indicator 3 - Student involvement in life long learning/professional development activities at the state or national level. Measure the number of students in the RT/MDI programs/% of attendance of student members at the professional meetings/continuing education.	Total of 87 students in the RT/MDI campus programs/ 50.6% of attending	Total of 84 student in the RT/MDI campus program/ 58.3% of attending	Total of 72 students in the RT/MDI campus programs/ 77.7% of attending	Total of 73 students in the RT/MDI campus programs/ 93% of attending	Total of 71 students in the RT/MDI campus programs/ 55% of attending

Briefly note 2-3 improvements over the last year prompted from the above indicators.

New recruitment and information postcards were developed to market the new on-line BS in MDI and certificate programs. In addition, more recruitment activities were conducted by departmental faculty.

C. **Department Quality Initiatives and Results**

FY2009 Quality Initiatives	Results
INITIATIVE NUMBER ONE: Develop & implement strategies for increased communication with all Allied Health Department alumni.	In progress
INITIATIVE NUMBER TWO: Academic Audit: Diagnostic Medical Sonography	In progress
The program faculty will be focusing on all steps involved in the academic audit. The main focus will be upon development of an assessment plan and revision of the affinity diagram for the degree program.	

FY2010 Quality Initiatives	Responsible Party, Resources, and Plan
INITIATIVE NUMBER ONE: Develop & implement strategies for increased communication with all Allied Health Department alumni.	The Allied Health Department will develop and implement strategies for building a stronger association with all of the department alumni. Through this initiative, the goal is to build a strong relationship with alumni. This will then help to develop more departmental resources including guest speakers, consulting within curriculum development, possible mentoring, additional internship/preceptorship possibilities, and monetary support for scholarships, program expansion, imaging equipment and supplies. Graduate surveys will be evaluated prior to, during, and following this initiative. The department will work with the Alumni Association Office and Endowment. All department faculty, program directors, and the chair will be responsible for this initiative.
INITIATIVE NUMBER TWO: Continuation of the Academic Audit: Diagnostic Medical Sonography The program faculty will be focusing on all steps involved in the academic audit. The main focus will be upon development of an assessment plan and revision of the affinity diagram for the degree program.	Program faculty will work cooperatively though the academic audit process to search best practices, evaluate other assessment plans both within and outside the profession, and utilize supplemental resources available for the academic audit on campus. Cooperative development of the DMS program assessment plan and revision of the affinity diagram is the expected outcome. All program faculty and Chair will be responsible for this initiative.

Institutional Quality Results D.

FY2009 University Initiatives	Department Activities/Results
Increase access and retention for Hispanic students	Faculty within the department have participated as a faculty mentor for the Access to Academic Opportunity Grant recipients and also as a First Year Residential Experience Program Faculty Associate. The overall success/results of these two programs would be outside of the department. However, the faculty participants strongly encourage the programs to continue to help acclimate and retain any students.
Increase the quantity and quality of K-12 teachers educated	N/A
Improve undergraduate students' foundational skills	**Notifies: *Implementation of critical thinking designed scenarios within the radiographic positioning and ultrasound laboratory sessions. Activities were designed to have students analyze the situation, develop a course or plan of action, and implement the appropriate procedures necessary relative to technical skills, patient care skills, and image evaluation. *Continued implementation of journal writing experiences in both didactic and clinical courses *Encouragement of student manuscript submission during final clinical experiences for state organization competition among all radiography program students throughout the state *Implementation of Blackboard and DyKnow software within appropriate courses in the programs *Continued Implementation of computerized testing throughout the curriculum for the programs *Continued Web search activities assigned within the curriculum
	*From course ratings, students comments reinforced the application of the designed scenarios to help them prior to clinical placement; In addition, from the evaluations completed by students for clinical preparedness, an overwhelming majority of students rate their level as very well and well and comments stress the laboratory assignments and setting enforced the concepts learned within the classroom *Demonstrate improvement in student's writing abilities by comparing the student's writing in each semester's journal assignments — faculty have developed journal assignments to evaluate and provide feedback to the students in sequential semesters with regard to writing abilities; grading rubics have been implemented within some of the courses to show any changes between semesters *Students will submit and place in the scientific manuscript competition for the KSRT — this is not a mandatory initiative at this time; there was an increase in the number of students that selected to complete the scientific manuscript assignment within the clinical experience courses for potential submission to the KSRT convention; this was the first year, two FHSU students placed 1st and 3rd place in the competition *Improve the student's computer skills for computerized testing in the

	programs in preparation for all national registry examinations upon graduation; increase the student's comfort level with taking computerized exams – Faculty have implemented simulated computerized testing in the capstone courses for the RT and sonography program curriculum; In addition, within the sonography curriculum, the simulated computerized testing is implemented in the second year courses *Increase student's abilities to locate professional society web pages, online case reviews, professional journal articles, pathologic related items, and associated health conditions - Numerous faculty have incorporated webbased assignments aimed at increasing students' abilities to locate and utilize the above
Enhance physical wellness of students, faculty, and staff	Multiple faculty and program students have participated in the wellness initiative, specifically, the personal assessments, boot camp, and other courses offered throughout both semesters. Faculty have also presented on breast cancer awareness and facts during the Fall pilot program. Participants surveyed gave positive feedback regarding the topic.
Internationalize the campus and curriculum	N/A

III. FY2009 STRATEGY AND OPPORTUNITIES FOR IMPROVEMENT

A. Departmental Reflection of Strengths, Needs, Opportunities, and Threats

The Department of Allied Health faculty members contribute/provide input to the strategic planning process through an informal process each year. The first SWOT analysis was conducted in 1996, 2004, and most recently in 2007. The strategic planning process was only conducted through informal feedback sessions each year. The feedback provided through this SWOT analysis process will be circulated to all faculty for further feedback. The department has utilized the feedback in development of goals, strategic plans and opportunities for the future. The department will implement this formal process every 3 years. The following is the analysis conducted Spring 2007.

- On-line B.S.
- Mobile computing savvy instructors/students
- We provide several avenues of study/review for students out side of the classroom- i.e. podcasting, articulates, films, etc.
- Continued clinical education (Christa/Jennifer @ US)
- Gaining North Platte as clinical site
- Have a more diverse population of students in MDI programs
- Increasing number of clinical affiliates
- Ability to accept more students into RT program due to additional clinical affiliates
- Dedicated faculty who provide an excellent learning environment for students in all programs.
- Faculty that strive to to enhance student learning by using new instructional tools like DyKnow and ITunes

Future Opportunities Future Threats

- Majority of faculty support and/or participate in on-line offerings of MDI courses to offer completion of MDI degrees
- Certificate granting
- Chance to have completely on-line baccalaureate degree
- Expand program to include more clinical sites
- Certificate programs
- Completely on-line B.S.
- New clinical affiliates
- Courses- PACS Admin, CT Procedures (as listed in the course catalog, not the CT Physics and Instrumentation that is really taught under that course heading)
- New Clinical sites (Salina increasing numbers, interest from others)
- To expand SCH by offering certificates in advanced imaging modalities to practicing radiologic technologists
- Develop marketing strategies for advertising program courses to practicing radiologic technologists

- Loss of clinical sites impacting program(s) enrollment
- Program accreditation status JRCERT accreditation probation
- Other potential programs offering degrees online
- Market trends
- Lack of funding may impact employee travel, training/ education, equipment replacement and/or equipment service contracts
- Other programs wanting same clinical sites
- Another program possibly offering an on-line baccalaureate degree first
- Other colleges/universities advertising on-line B.S.
- Increased demands to establish additional coursework with limited department funding
- Increasing number of universities and colleges who are implementing bachelor degree programs for practicing radiologic technologists

B. Opportunities for Improvement

[NOTE: Short-term OFIs are meant to be low or no-resource quick changes that can favorably impact the department. If these simply replicate what you have declared as a FY2009 Departmental Initiative, then delete this section.]

Short-Term OFI	Resources Required	Expected Result and Completion Date
Creation of electronic film library for faculty and student access to improve learning outcomes.	A film digitizer has been purchased capable of converting plain-film radiographs to digital format for viewing. A training session for faculty and a work-study student will need to be completed to demonstrate how to scan and store images in appropriate files to the workstation and begin creating the electronic resources.	The desired outcome is to increase the accessibility and utilization of various instructional case studies by both faculty and students to assist in student learning in both on and off campus courses.
Development of alumni newsletter as a way to increase the department contact with alumni.	This will require department liason/committee to meet, develop the format and formulate entries for the first issue. Electronic mailings will be considered to the traditional paper format.	From the CHLS alumni survey, close to 40% of alumni disagreed with the statement "my academic department has maintained appropriate contact with alumni." The development of the newsletter will be one avenue that the department can increase the contact with alumni. The date of completion for the newsletter is Fall 2009.

[NOTE: Long-term OFIs are meant to be resource-intensive changes requiring permanent or one-time resources that can favorably impact the department over the long-term.]

Long-Term Strategic Initiatives	Resources Required	Expected Result
Expansion of the Allied Health	The current space is approximately	A proposal would be submitted to
Department facilities:	16 feet X 18 feet. It is anticipated	the University Facilities, Finance &
	that just for adequate expansion of	Planning committee. In addition, an
The Department has expanded in	the ultrasound laboratory, there	action plan would be submitted
physical resources available through	would be a need for approximately	requesting funds to renovate
prior strategic planning processes	two-three times the space. The	available space through the strategic
and through unexpected major	major need is compounded by the	planning process as soon as
clinical affiliate donations. Most	new faculty member being assigned	resources are available. The
relevant is the facility in which the	to CH 129 C. This room currently	sequential year following successful
current sonography laboratory	houses a significant film library as	renovation, an action plan would be
sessions are located. During the	well as media resources/equipment.	submitted through the strategic
course of the spring semester this	These have been temporarily	planning process to secure funding
year, the ultrasound equipment	relocated to a conference room until	and/or matching funds to purchase
increased from two units and	new facilities can be identified.	the computed tomography unit.
associated patient areas to 5 units	Finally, for future planning, there is	 State-of-the art

with associated patient areas. The space is extremely overcrowded and is not acceptable for the amount of students, patients, and instructors in the room. In addition, the program has increased by 3 students beginning in the Fall of 2009.

potential to house a computed tomography unit for training on the FHSU campus to offer practical experiences for FHSU MDI students. FHSU would be the only program in the state to have such equipment and to offer such training, setting it apart from other programs. There would be a need to have a space of approximately 26 X 20 feet for this equipment. Through the strategic planning process,, it is proposed to reallocate and finish renovations of the remaining portion of the repurposing of the womens locker room to become a dedicated Allied Health laboratory.

- facilities for housing the sonography units and associated patient care areas.
- Addition of computed tomography practical experiences within the RT, MDI, and MDI with emphasis in DMS programs beginning with the class of 2010.
- Provide highly qualified
 MDI technologists
 increasing the quality of health care in Kansas.

Development of cardiac sonography concentration

As the Department establishes the general and vascular components of the ultrasound curriculum, a long term goal is to support the addition of a cardiac concentration. The cardiac component would be either a separate or additional track to the current curriculum. This initiative meets the need for formal education within cardiac ultrasound in western Kansas and surrounding regions.

The department would need to hire a Cardiac Ultrasound Program Director, 1 FTE. This individual would develop the curriculum and oversee the program. In addition, it would be necessary to provide current ultrasound faculty with training opportunities and necessary support for continuing education and skills within cardiac sonography. For training purposes, a dedicated cardiac unit and an additional cardiac transducer for a current machine would need to be purchased. This would provide two fully functioning ultrasound units for laboratory sessions for training of cardiac students.

The program faculty would submit an action plan through strategic planning process for 1 FTE and dedicated cardiac ultrasound computed equipment and transducer.

- Addition of cardiac concentration to the program beginning with class of 2011
- Provide highly qualified cardiac sonographers increasing the quality of health care in Kansas

IV. SUPPORTING MATERIALS

A. Department Degree Program Affinity Diagram(s)

See appendix A

B. Department Staffing Plan

See appendix B

C. Bibliography of Departmental Scholarly Activity

See appendix C

D. Department Program Assessment Results

See appendix D

E. Other Departmental Information

See appendix E

General Parameters

- 1. No more than 20 pages, excluding appendix information.
- 2. Report submitted electronically to Dean, Assistant Provost for Quality Management, and Provost.
- 3. Note deadlines attached below.

Annual Timeline for Department Annual Report

March 1	Draft template distributed to Deans.
April 15	Final template and Directions distributed to Department Chairs. Selected enrollment data (fall 20 th day counts) distributed to Chairs and Deans in the departmental template.
June 1	Student system information (graduates, SCH) delivered to Chairs.
June 1	Final cutoff date for elements to be considered in the Department's Annual Report.
June 30	Complete Department Annual Report due to Deans, Assistant Provost for Quality Management, and Provost. Submit electronically.
August 15	Completed College Annual Report due to Assistant Provost for Quality Management and Provost.