
FY2008 DEPARTMENTAL ANNUAL REPORT OF CONTINUOUS IMPROVEMENT

Department of Allied Health Fort Hays State University

I. DEPARTMENTAL OVERVIEW

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. The past two years, the department's growth has again stabilized and in some instances decreased slightly. However, evaluating the 4-5 year averages, the department has increased overall from 2003. The SCH within the past year decreased from 3044 to 2925, however is consistent with the 4 year average. Most importantly, the department program faculty continues to increase their efforts in ensuring a progressive approach to implementing current technological advancements within all of its programs. To this end, the department goals, objectives and strategic priorities focus on these components for FY2009 while maintaining the high quality programs that are offered within the Allied Health Department.

The number one department goal is to successfully launch the distance education curriculum for the BS in MDI and the advanced specialty certificate programs. The target audience will be graduates of other radiology programs throughout the state and practicing technologists who want to pursue further educational goals. The Allied Health Distance Education Coordinator position was awarded in the prior fiscal year and has been searched and the position filled. Curriculum will be available beginning in the Fall semester for both the BS in MDI and certificate programs through the virtual college.

Another department goal is 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 was successful in completing the remaining steps of the academic audit for the radiologic technology program this year. A major component of this initiative was evaluating and incorporating assessment techniques and revising an outdated affinity diagram for the radiology program. 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 B. In addition, the Affinity diagrams for the department programs are found within Appendix A.

II. DEPARTMENTAL HIGHLIGHTS

A. Department Productivity and Distinctive Accomplishments

The department was successful through the strategic planning process this year securing funds for the installation of a new Digital Imaging Radiographic System. This new system will allow for traditional radiographic imaging and computed radiographic imaging, which replaces an older, outdated x-ray unit. In addition, the unit will allow for the future upgrade to direct digital imaging, positioning the FHSU program with cutting edge imaging equipment. The continued support of updated technology available at FHSU will continue to showcase the outstanding campus facilities in comparison to other programs throughout the state and surrounding regions.

From the successful strategic planning process of the prior year, the department conducted a national search and recruited a new full-time faculty member responsible for coordinating the distance education components of the BS in MDI and advanced specialty certificate programs. New virtual college courses have been developed or are being developed to be offered as part of the advanced certificate and/or BS in MDI program beginning in the new academic year.

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:

Instructional/Advising Activity:

- In FY 2008, the number of courses being taught in the department remained steady. The SCH production decreased from 3044 to 2925, approximately 4%, compared to FY 2007. However, the SCH average over the past 4 years remains at 3200. The decrease in SCH is most likely the remnant of the loss of clinical site placement within the RT program within the past three years. The number of majors decreased slightly this past year. The SCH per FTE is approximately 490.
- The department faculty recruitment efforts continue to remain steady. The faculty expend their efforts within recruitment activities through campus activities, attendance at SRPs, and again, hosting the annual recruitment session with the Trego Community High School Biology students. The department hosted an open house during the first week of school for prospective students to visit. The department contacted over 525 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 450 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.
- 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. Kristina Befort received 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 7 out of the 9 past years. In addition, in the team competition, the FHSU team consisting of Kristina Befort, Sarah Schiller, and Kimberly Roblyer placed second in the final competition. FHSU Radiology students have placed 1st, 6 of the past 8 years and placed 2nd this year. Students also had the opportunity to enter the scientific exhibit, and radiographic film competitions. FHSU students swept the scientific exhibit competition with Kristina Befort, Sarah Schiller, and Carissa Cacy taking 1st, 2nd, and 3rd places. Sarah Schiller placed first in the student radiographic contrast competition and Marti Karlin earned second place. The FHSU Allied Health Department was once again very well represented by outstanding student achievements.

- Three FHSU students, Ashley Stieben, Megan Ziegler and Tiana Stebens, were selected to serve as student mentors for the KSRT for the 2008-2009 year.
- The Department had several senior students and faculty that were nominated for the Torch, Pilot, and Navigator Awards.

Service/Scholarship Activities:

- Ms. Jennifer Wagner co-authored a Mammography Registry Review textbook and was published in December 2007.
- Dr. Mike Madden published the second edition of the *Introduction to Sectional Anatomy and Introduction to Sectional Anatomy Workbook and Board Review Guide*. In addition, he published *Introduction to Sectional Anatomy: An Instructor's Resource Center*. Dr. Madden was recognized for his scholarship as the University's Spring Faculty Research recipient.
- Ms. Christa Weigel & Ms. Brenda Hoopingarner, co-authored with others *Exploring the Pen-Computing Learning Environment: Empower Students to Learn*.
- Ms. Denise Orth presented "Making Sense of Certification, Registration, & Licensure" at the KSRT Symposium and presented "CVIT: Past, Present, Future" at the KSRT annual convention.
- Dr. Mike Madden presented "Radiologic Technology ERB Writing and Research Workshop: Research Methods" at the American Society of Radiologic Technologists annual meeting in Albuquerque, NM.
- Ms. Teal Sander presented "Evolving Field, Advancing Technologist" at the KSRT 2007 Student Conference in Salina, KS.
- Ms. Denise Orth presented at the KSRT Student Symposium "Practice Standards: Impact of RT's."
- 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 Technologists* and *Association of Educators in Radiologic Sciences Journal*.
- Denise Orth was re-elected to the American Society of Radiologic Technologists Practice Standards Advisory Council. At the state level, she was appointed Chair of the Publicity Committee and webmaster for the state society, Kansas Society of Radiologic Technologist.

B. Department Performance Indicators

Key Performance Indicator	Baseline FY2004	Actual FY2005	Actual FY2006	Actual FY2007	Actual FY2008
Freshmen	53	40	38	44	41
Transfer Students	12	25	18	25	17
Majors					
Undergraduate (first majors/second majors)	197	229	219	219	213
	89	60	87	69	72
Graduate majors	0	0	0	0	0
MLS students	0	0	0	0	0
Major Retention	N/A	71.78%	66.36%	67.62%	63.68%
Student Credit Hour					
Undergraduate	2933	3402	3453	3044	2925
Graduate	0	0	0	0	0
Faculty					
Tenured or Tenure-track Faculty (Headcount)	3	3	4	3	5
Non Tenure-Track Faculty (Headcount)	2	3	2	3	1
Other Faculty (Headcount/Sections Taught)	0.3	0	0	0	0
Degrees					
Undergraduate degrees	55	60	86	82	67
Graduate degrees	0	0	0	0	0
MLS degrees	0	0	0	0	0
Scholarly Activity (See Section IV for documentation requirement)					
Number of books, book chapters, and refereed articles published	1	2	8	8	6
Percent of faculty publishing refereed books, chapters, or articles	20%	33%	33%	50%	66%
Number of non-refereed articles and presentations	6	21	3	10	9
Percent of faculty publishing non-refereed articles or presentations	60%	100%	50%	83%	83.3%

Key Performance Indicator	Baseline FY2004	Actual FY2005	Actual FY2006	Actual FY2007	Actual FY2008
Number of scholarly performances and other creative activities	0	0	5	4	0
Percent of faculty in scholarly performances or other creative activities	0%	0%	66%	50%	0%
Total number of external grant applications submitted/percent of faculty submitting	3/40%	2/33%	2/17%	0/0%	0/0%
Total number of funded external grants/percent of faculty funded	4/100%	2/33%	4/33%	1/16%	1/16%
Service Activity					
Percent of faculty meeting acceptable standard of service activity [NOTE: this percent includes faculty meeting exceptional standard of service activity.]	100%	100%	100%	100%	100%
Percent of faculty meeting exceptional standard of service activity	100%	100%	100%	100%	100%
Assurance of Student Learning					
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 - Percentage/pass rate of capstone course: Seminar: Registry Review/TEVAL indicator of student amount of material learned	100%/4.45	100%/4.48	100%/4.89	100%/4.77	100%/4.33
Direct Outcome 3 – Ratio of FHSU pass rate (%) for ARDMS examinations for Diagnostic Medical Sonography Curriculum/national pass rate (%) of each ARDMS exam:					
-Abdomen	No data to report – no program graduates at this time	100/58.2%	75/64.0%	100/65.0%	N/A
-OB/GYN		N/A	100/80.6%	100/81.0%	
-Ultrasound Physics		80/58.6%	100/63.3%	83/62.0%	
-Vascular Physics		67/66.18%	57/65.8%	100/59.0%	
-Vascular Tech		33/59.6%	50/61.9%	100/62.0%	
Indirect Indicator 1- RT Clinical preparedness Survey question “how adequately did the program prepare you in the following area: Patient Care”	N/A	V well-12 Well-12 Adequate-4 Needs Improve-0	V well-6 Well-10 Adequate-0 Needs Improve-0	V Well-11 Well-11 Adequate-1 Needs improve-0	N/A

Key Performance Indicator	Baseline FY2004	Actual FY2005	Actual FY2006	Actual FY2007	Actual FY2008
Indirect Indicator 2- RT Clinical preparedness survey question "how adequately did the program prepare you in the following are: Exposures & technical aspects"	N/A	V Well-7 Well-18 Adequate-3 Needs Improve-0	V Well-2 Well-8 Adequate-3 Needs Improve-2	V Well-5 Well-11 Adequate-6 Needs improve-1	N/A
Other Department Key Performance Indicators (up to 3 additional measures, optional)					
Outcome/Indicator 1- Contact with prospective students through department brochure information requested & mailed	544	515	713	437	565
Outcome/Indicator 2 - Faculty attendance/support at Scholarship Recognition Programs/percent of faculty participating	4/6=66.6%	5/6=83.3%	6/6=100%	5/6=83.3%	6/6=100%
		<i>(5 of the 6 faculty attended all SRP programs with awardees attending)</i>	<i>(All 6 faculty attended all SRP programs with awardees attending)</i>	<i>(5 of the 6 faculty attended all SRP programs with awardees attending with the exception of Denver)</i>	<i>(All 6 faculty attended all SRP programs with awardees attending)</i>
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 70 students in the RT/MDI programs/ 41% of attending	Total of 87 students in the RT/MDI programs/ 50.6% of attending	Total of 84 student in the RT/MDI program/5 8.3% of attending	Total of 72 students in the RT/MDI programs/ 77.7% of attending	Total of 73 students in the RT/MDI programs/ 93% of attending
Number of Faculty Visiting Foreign Campuses	XX	XX	XX	XX	0
Number of Students (majors) Participating in Study Abroad and Exchange Programming	XX	XX	XX	XX	1

C. Department Quality Initiatives and Results

FY2008 Quality Initiatives	Results
<p>INITIATIVE NUMBER ONE: Program Accreditation</p> <p>Secure continued accreditation status of the associate degree radiography program sponsored by FHSU through the Joint Review Committee on Education in Radiologic Technology.</p>	<p>The FHSU Radiologic Technology Program received a maximum 8-year accreditation award in November 2007. See appendix for award letter.</p>
<p>INITIATIVE NUMBER TWO: Academic Audit: Diagnostic Medical Sonography</p> <p>The program faculty will be focusing on all steps involved in the academic audit with the main focus is the development of an assessment plan for the degree program.</p>	<p>The academic audit: Diagnostic Medical Sonography is in progress.</p>

FY2009 Quality Initiatives	Responsible Party, Resources, and Plan
<p>INITIATIVE NUMBER ONE: Develop & implement strategies for increased communication with all Allied Health Department alumni.</p>	<p>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.</p>
<p>INITIATIVE NUMBER TWO: Continuation of the Academic Audit: Diagnostic Medical Sonography</p> <p>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.</p>	<p>Program faculty will work cooperatively through 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.</p>

D. Institutional Quality Results

FY2008 University Initiatives	Department Activities/Results
<p>Improve undergraduate student's writing abilities</p>	<p>ACTIVITIES:</p> <ul style="list-style-type: none"> *Encourage students to utilize the writing center on campus and include a statement in course syllabi *Implementation of journal writing experiences in both didactic and clinical courses *Student manuscript submission during final clinical experiences *Including written case presentations/ reviews coinciding with oral case presentations/reviews <p>RESULTS:</p> <ul style="list-style-type: none"> *Students will use the writing center to help improve their writing abilities – Multiple faculty have incorporated information regarding the writing center in course syllabi and encourage students to utilize this resource when writing assignments are implemented *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 rubrics 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.
<p>Develop mobile computing teaching and learning environment</p>	<p>ACTIVITIES:</p> <ul style="list-style-type: none"> *Encourage faculty to attend mobile learning environment training sessions through CTELT *Department involved with DyKnow project *Offer department inservices for those Allied Health faculty who have not utilized DyKnow *Development of distance courses with the use of DyKnow & Blackboard <p>RESULTS:</p> <ul style="list-style-type: none"> *Increase faculty knowledge/skills in the use of various technologies that may be appropriate for their course offerings – 83% of faculty have or are utilizing DyKnow pedagogies and/or IPod's within both campus and virtual classroom environments *Share best practices with colleagues – faculty have presented on panel discussions and conducted workshops with CTELT, and presented at the department level within the college regarding DyKnow pedagogies ; faculty have met in informal sessions to discuss various pedagogies and use of DyKnow in courses within the department and new applications coming with DyKnow 5.1 *Increase student satisfaction with distance courses during clinical experiences – MDI 367 E DMS clinical experience I, II, & III continues to utilize an on-line synchronous DyKnow classroom each week for 2 hours with positive feedback in the format

Internationalize the campus and curriculum	N/A
Strategically manage new enrollment opportunities	<p>ACTIVITIES:</p> <ul style="list-style-type: none"> *Encourage faculty to make visits with admissions office to community colleges in the state *Develop & market the BS in MDI degree, certificate programs, or continuing education course offerings throughout the state with emphasis in greater Kansas City and surrounding area <p>RESULTS:</p> <ul style="list-style-type: none"> *Recruit graduates from other radiologic technology programs and practicing radiologic technologist to FHSU for completion of the BS degree offered via distance format – have increased in the number of graduates from other programs to complete the BS degree in MDI and/or the BS degree in MDI with emphasis in DMS; Mammography course continues to show increased enrollment with practicing mammographers taking the FHSU course *Recruit practicing technologists for certificate programs and continuing education credits – have offered some distance coursework for technologists; with new FTE expect to develop and offer certificate programs; assessing data in the next academic year
Improve student learner outcomes in computing	<p>ACTIVITIES:</p> <ul style="list-style-type: none"> *Implementation of tablet use within the curriculum in programs offered within Allied Health *Implementation of Blackboard and DyKnow software within appropriate courses in the programs *Implementation of computerized testing throughout the curriculum for the programs *Web search activities assigned within the curriculum <p>RESULTS:</p> <ul style="list-style-type: none"> *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, on-line case reviews, professional journal articles, pathologic related items, and associated health conditions - Numerous faculty have incorporated web-based assignments aimed at increasing students’ abilities to locate and utilize the above

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.

Current Strengths	Current Needs
<ul style="list-style-type: none"> - Have received significant financial support to help replace dated equipment - 3 energized x-ray units - Computed Radiography unit - Film processor - Full-body phantom - Baccalaureate degree programs - High quality faculty members - Faculty that stay ahead of changes in the field - Adequate clinical training for students - Low attrition rate - High pass rate on board examinations - 100% graduate placement rate upon graduation for those seeking employment - High use of media and technology in the classroom - Modality diversification of faculty - Proactive faculty regarding the laptop initiative of the university - Dyknow application to the classroom improving the learning environment of the classroom - Continued large student applicant pool for programs - PIXY phantom has enhanced lab learning opportunities - CR system and FS systems are able to accommodate both types of clinical learning and allow for ARRT content specs to be met - Film digitizer and mini-PACS system will improve faculty teaching of cases on campus and off campus - Continued growth of the Sonography curriculum - Program reputation - Only B.S. in the state - 100% pass rate 	<ul style="list-style-type: none"> - X-ray lab 2 equipment will need replaced - Film processing system needs replaced - Portable unit needs replaced - Program curriculum should be carefully examined and revamped to be in accordance with ARRT, ASRT, JCERT - Certain modalities are currently not offered via on-line teaching or in current offerings at all - Additional clinical site expansion to accommodate the number of qualified program applicants - It would be nice to have a clinical coordinator who oversaw all clinical sites - Students spread out at clinical sites - More computed radiography systems may be helpful - Newer x-ray units - Staff-distance coordinator - Clinical sites - More courses available on line - Due to personnel/time constraints no big initiative to move forward - Loss of GI clinical site, reduced number of student placement - Lack of funding for equipment: R/F room, processor - Additional funding for service contracts for equipment - Develop and implementation of online courses for radiologic technologists - Need a substantial amount of server space to convert film library to digital images - Lack of patient diversity for practice lab sessions

<ul style="list-style-type: none"> - Ray bowl champs 3rd year running - 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 enhance student learning by using new instructional tools like DyKnow and iTunes 	
Future Opportunities	Future Threats
<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - Loss of clinical sites impacting program(s) enrollment - Program accreditation status – JRCERT accreditation probation - Other potential programs offering degrees on-line - 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 FY2008 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.	<p>A film digitizer has been purchased capable of converting plain-film radiographs to digital format for viewing.</p> <p>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.</p>	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 liaison/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 2008.

[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 Department physical facilities.	<p>The Department has recently expanded in physical resources available through strategic planning processes and through unexpected major clinical affiliate donations. Most relevant is the facility in which the current DMS laboratory sessions are located. During the course of the spring semester this year, the ultrasound equipment increased from two units and associated patient areas to 5 units with associated patient areas. The space is extremely overcrowded and is not acceptable for the amount of students, patients, and instructors in</p>	<p>A proposal would be submitted to the University Facilities, Finance & Planning committee. In addition, an action plan would be submitted requesting funds to renovate available space through the strategic planning process. The sequential year following successful renovation, an action plan would be submitted through the strategic planning process to secure funding and/or matching funds to purchase the computed tomography unit.</p> <ul style="list-style-type: none"> ○ State-of-the art facilities for housing the sonography units and

	<p>the room. The current space is approximately 16 feet X 18 feet. It is anticipated that just for expansion of the ultrasound laboratory there would be a need for approximately two-three times the space. The major need is compounded by the new faculty member being assigned to CH 129 C. This room currently houses a significant film library as well as media resources/equipment. These have been temporarily relocated to a conference room until new facilities can be identified. Finally, for future planning, there is 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.</p>	<p>associated patient care areas.</p> <ul style="list-style-type: none"> ○ 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.
<p>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 component. The cardiac component would be either a separate or additional track to the current curriculum. Through the Sunflower Foundation grant and other supported funds, the department purchased a PC based ultrasound unit with cardiac capabilities. The need for this long term goal besides all the development of the curriculum would be to purchase a cardiac ultrasound transducer for the equipment. The department faculty ensured that the current equipment purchase would have the necessary cardiac package with the equipment so that the only additional purchased would need to be the transducer component.</p>	<p>The department would need to develop the curriculum for the cardiac component and purchase a cardiac transducer compatible for the current equipment. The estimated cost for a cardiac transducer (projected cost) would be approximately \$14,000. Adjunct faculty would need to be hired to teach in the curriculum or additional campus faculty training within echocardiography would be necessary through support of faculty attendance at educational training sessions</p>	<p>Review of the existing American Registry of Diagnostic Medical Sonography echocardiography curriculum for the development and implementation of the cardiac curriculum. The program faculty would submit an action plan through strategic planning process for either full funding of the cardiac transducer or matching funds from the MDI program fund FY 2010 depending on potential fund availability and faculty education</p> <ul style="list-style-type: none"> ○ Addition of cardiac curriculum to the program beginning with class of 2010 ○ 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

F. Special AQIP Report

