Attachment B

SIUC's Medical Dosimetry Program
Assessment Plan

Southern Illinois University Carbondale
College of Applied Sciences and Arts
School of Allied Health
Medical Dosimetry Program
Assessment Plan
August 05 – July 06 Analysis and Actions

MISSION: The mission of the Medical Dosimetry Program through Southern Illinois University Carbondale is to provide a quality program integrating education, research and service in order to meet the needs of the profession and improve health care of the people and communities we serve.

GOAL #1: Prepare the student to practice as an entry level professional Medical Dosimetrist by offering a balanced curriculum and quality didactic/clinical instruction.

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Graduates indicate overall satisfaction with education from the program.	Graduates will be surveyed approximately 6 months following graduation.	Graduate Survey	Graduates will report average score of ≥4.0 on a scale of 1-5 ("Excellent" or "Very Good") on item #10 of graduate survey.	Spring Semester	Program Director	#10 Avg /5 surveys	Met benchmark. No action necessary.
2. Employer indicates graduate was adequately prepared to perform as an entry-level dosimetrist.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #IIH.	Spring Semester	Program Director	#IIH Avg /5 surveys	Benchmark met. Continue to monitor.
3. Graduates will pass MDCB certification exam on first attempt.	Graduates will sit for MDCB certification exam the year following graduation.	MDCB Report if available/Graduate Feedback	A five year average of 80% of the graduates will pass the credentialing exam on first attempt	Fall Semester	Program Director	100% 2001/2002 1/1 Students 100% BJH 2002/2003 2/2 Students 100% BJH 2003/2004 2/2 Students 100% BJH 2004/2005 1/1 Students 100% BJH 2005/2006 5 Students SIUC 2006/2007 4 Students SIUC	Benchmark met. Continue to monitor.
4. Employers indicate graduate demonstrates essential skills and knowledge necessary to work effectively with other health care practitioners.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to items #IA, #IB, #IIH, #IIIK.	Spring Semester	Program Director	#IA Avg #IB Avg #IIH Avg #IIIK Avg /5 surveys	Benchmark met. Continue to monitor.
5. Students will be clinically competent upon graduation	Students' clinical competencies.	Clinical Competency Check Lists	Each students will complete 95% of the suggested competencies	Summer Semester	Program Director	2005/2006 5/5 students 100% 1 student did not complete 2 competencies.	Met benchmark. Continue to monitor.

GOAL #2: Provide didactic and clinical experiences that lead to research in educational, professional, or health care issues relating to medical dosimetry.

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Students demonstrate essential skills to plan and execute a research project.	Students will be evaluated on two research assignments.	Grades on the two required research papers while at external clinical rotations.	Students will achieve an average score of 85% on assignments.	Summer Semester	Program Director	100% scored at or above benchmark of 85%. 5/5 students	Met benchmark. Continue to monitor.

GOAL #3: Provide avenues to students for professional development and growth within the profession.

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Graduates will become members of professional organizations.	Graduates will be surveyed at end of program.	End of program paperwork	20% of the graduates will have joined the AAMD at time of graduation.	Summer Semester	Program Director	20% -1 of 5 students indicated they were members of the AAMD as of 8-29-06.	Met Benchmark. Continue to monitor.
	Graduates will be surveyed approximately 6 months following graduation.	Graduate surveys.	50% of the graduates join the AAMD within six months post graduation.	Spring Semester, Approximately 6 months post graduation	Program Director		
2. Students participate in CE activities.	Student attendance of continuing education activities will be monitored throughout the year.	Sign in sheets of continuing education activities.	100% of students will attend at least one continuing educational activity during the program year.	Summer Semester	Program Director	100% 5/5 Students	Met benchmark. Continue to encourage attendance at CE lectures.
3. Graduates will maintain their CE activities to grow with the profession	Alumni will be surveyed 5 years post graduation	Check MDCB Directory or Alumni Surveys	90% of graduates will participate in the required CE activities to maintain their MDCB Certification.	Spring Semester	Program Director		

GOAL #4: Provide avenues for students to develop and apply skills in effective communication, analytical and critical thinking and problem-solving necessary for successful medical dosimetry practice.

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Students demonstrate effective problem solving and critical thinking skills.	A passing score must be achieved on the Comprehensive Final Exam in RAD 570B to successfully complete the program.	Final Exam in RAD 570B	Senior students will achieve an average score of ≥80% out of 100%.	Summer Semester	Program Director	Avg 85% 5/5 students	Benchmark met. Continue to monitor.
2. Graduates demonstrate effective problem solving and critical thinking skills.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #IF.	Spring Semester	Program Director	#IF Avg /5 surveys	Benchmark met. Continue to monitor.
3. Students demonstrate effective communication skills.	Growth Evaluations are performed during each clinical rotation.	Growth Evaluations.	Students will achieve an average score of 4.0 on a scale of 0-5 ("Acceptable" to "Excellent") on item #I.	Summer Semester	Program Director	#I Avg 4.893 5/5 students	Met benchmark. Continue to monitor.
4. Graduates demonstrate effective communication skills.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #III I.	Spring Semester	Program Director	#III I Avg /5 surveys	Benchmark met. Continue to monitor.

Goal #5: Provide a clinical and didactic environment which leads to the development of clinical skills and competence appropriate to an entry level medical dosimetrist.

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Students will be clinically competent upon graduation	Students' clinical competencies.	Clinical Competency Evaluations	Each students will complete 95% of the suggested competencies	Summer Semester	Program Director	2005/2006 5/5 students 100% 1 student did not complete 2 competencies.	Met benchmark. Continue to monitor.
2. Students demonstrate continual improvement of skills as they progress through the program.	Growth Evaluations are performed during each clinical rotation.	Growth Evaluations.	Students will achieve an average score of ≥4.0 on a scale of 0-5 ("Acceptable" to "Excellent") on item # II.	Summer Semester	Program Director	#II Avg 4.868 5/5 students	Met benchmark. Continue to monitor.
3. Students demonstrate professional development and growth as a result of didactic and clinical experiences.	Growth Evaluations are performed during each clinical rotation.	Growth Evaluations.	Students will achieve an average score of ≥40 on a scale of 0-50 ("Acceptable" to "Excellent") on the evaluation overall.	Summer Semester	Program Director	Growth Evaluation Avg 49% 5/5 students	Met benchmark. Continue to monitor.
4. Employer indicates graduate was adequately prepared to perform as an entry-level dosimetrist.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #IIIH.	Spring Semester	Program Director	#IIH Avg /5 surveys	Benchmark met. Continue to monitor.

PROGRAM EFFECTIVENESS OUTCOMES

Outcomes	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Graduates will pass MDCB certification exam on first attempt.	MDCB Report if available/Graduate Feedback	A five year average of 80% of the graduates will pass the credentialing exam on first attempt	Fall Semester	Program Director	100% 2001/2002 1/1 Students 100% BJH 2002/2003 2/2 Students 100% BJH 2003/2004 2/2 Students 100% BJH 2004/2005 1/1 Students 100% BJH 2005/2006 5 Students SIUC 2006/2007 4 Students SIUC	Met Benchmark. Continue to monitor.
2. Graduates will have employment within the medical dosimetry profession post graduation.	End of program paperwork	50% of the graduates will have employment at time of graduation.	Summer Semester	Program Director	80% of students had employment at time of graduation. 4/5 students	Met benchmark. Continue to monitor.
	Graduate Survey.	80% of the graduates will have employment within six months post graduation. Five year average.	Approximately 6 months post graduation. Spring Semester	Program Director	2001/2002 1/1 Students 100% 2002/2003 2/2 Students 100% 2003/2004 2/2 Students 100% 2004/2005 1/1 Students 100% 2005/2006 5/5 Students 100% 2006/2007 4/ Students Overall 11/11 Students	Met benchmark. Continue to monitor.
3. Students who start the program will complete the program.	Program Completion Rate/Student Retention Rate.	80% of the students starting the program will graduate from the program.	Summer Semester	Program Director	2001/2002 1/1 Students 100% 2002/2003 2/2 Students 100% 2003/2004 2/2 Students 100% 2004/2005 1/1 Students 100% 2005/2006 5/5 Students 100% 2006/2007 4/ Students	Met benchmark. Continue to monitor.
4. Graduates will evaluate the program positively.	Graduate survey.	The returned graduate surveys will reflect average score of ≥4 on a scale of 1-5 on ("exceptional" or "adequate") response on item #10.	Spring Semester	Program Director	#10 average score of on /5 surveys sent out	Met benchmark. Continue to monitor.

5. Employers will evaluate the program positively.	Employer survey.	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Excellent" or "Very Good") response to item #IV.	Spring Semester	Program Director	#IV average score of on /5 surveys sent out	Met benchmark. Continue to monitor.
6. Employers will evaluate the program positively.	Employer survey.	The returned employer surveys will have an 80% "yes" response for the following question: "If given the opportunity would you hire a graduate of this program again? Yes or No"	Spring Semester	Program Director	Yes No /5 surveys sent out	Met benchmark. Continue to monitor.

The following will be added when SIUC has graduates out five years from the program:

1. Enrollment of alumni in other graduate/PhD work.
2. Career advancement achieved by program graduates.
3. Percent of students/graduates involved in research projects.
4. Percent of graduates that are presenting or publishing papers.

Things to consider adding in future:

1. Pre and post program testing.
2. Possibility of having students compete in a SIUC research competition, poster.
3. Possibly add community service, i.e. relay for life, search for a cure march.
4. Add end of semester paperwork for students to self-evaluate their level of dosimetry competence.