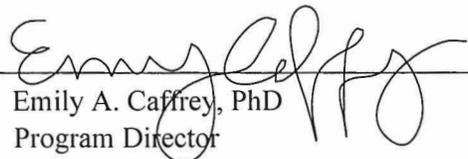


*Clinical and Diagnostic Sciences
Health Physics Program*

**2021-2022
STUDENT HANDBOOK**



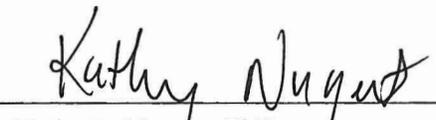
UAB SCHOOL OF HEALTH PROFESSIONS
DEPARTMENT OF CLINICAL AND DIAGNOSTIC SCIENCES
HEALTH PHYSICS PROGRAM
2021 - 2022 ACADEMIC HANDBOOK



Emily A. Caffrey, PhD
Program Director

April 27, 2021

Date



Kathy L. Nugent, PhD
Associate Professor and Chair

8/25/2021

Date



Andrew J. Butler, PhD, FAPTA
Dean, School of Health Professions

8/25/2021

Date

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INTRODUCTION

DEAN'S WELCOME MESSAGE

Welcome to the University of Alabama at Birmingham School of Health Professions! We are pleased you chose to join one of our many excellent programs, which in combination have established us as a national leader in health professions education.

We are home to one of the largest health professions schools in the nation with more than 30 programs at the certificate, baccalaureate, master's, and doctoral levels, with more than 2,000 undergraduate and graduate students enrolled.

Moving into a post-COVID environment is a new start for everyone in health care, and you are in the best place to begin your personal journey toward joining this dynamic field. We are all committed to providing you a world-class education, and to support your pursuit of knowledge and your strong desire to serve others as a healthcare professional.

The pandemic has challenged all of us in many ways, and your entry into one of our professional programs demonstrates one of the most precious personal qualities one can have: resilience. That resilience has brought you here today and will continue to serve you well during your journey at UAB.

We recognize that healthcare needs - even outside of a pandemic - are constantly changing. That is why we continue to add innovative programs to our academic portfolio, and to enhance and revitalize ongoing programs. We also offer graduate programs you will only find in Alabama at UAB, such as Genetic Counseling, Nuclear Medicine and Molecular Imaging, Low Vision Rehabilitation, Healthcare Quality and Safety, doctoral-level Rehabilitation Science, and Biomedical and Health Sciences.

Our degrees and programs are fully accredited by their respective professional organizations. This means you will be eligible for licensure, national certification or registration and enjoy being in high demand within the job market. Our first-time student exam pass rate on many credentialing exams is an astounding 98 percent or higher.

Graduating from the School of Health Professions means you will acquire an esteemed degree, have a host of job opportunities in healthcare – an industry that continues to grow rapidly – and be well prepared to make a difference in your community. And, we look forward to maintaining our relationship with you when you join our alumni community.

Our alumni give advice to current students that is worth repeating: “learn your craft, be a better professional for your patients, be open minded to future possibilities, and remember to have a healthy work/ life balance”.

I look forward to seeing you grow in your respective field and watching you become the leader we know you can be.



Andrew J. Butler, PhD, FAPTA

OVERVIEW OF THE SCHOOL OF HEALTH PROFESSIONS

A leader in federally funded research, the UAB School of Health Professions (SHP), is one of the largest academic institutions of its type in the United States and currently boasts several nationally ranked programs. What began in the 1950's as a collection of training programs in various para-professional disciplines has grown into an internationally recognized center of academic excellence.

The SHP initially took shape in 1969 as UAB gained autonomy within the University of Alabama System. Originally christened the School of Community and Allied Health Resources (SCAHR), the school incorporated the School of Health Services Administration and the Division of Allied Health Sciences from the College of General Studies with parts of the Department of Public Health and Epidemiology from the medical school. An innovative facility designed to meet the growing needs of the health care industry, the SCAHR was divided into four academic divisions that functioned like regular academic departments: Health Services Administration, Public Health and Environment, Allied Health Sciences, and the Regional Technical Institute for Health Occupations.

Throughout the 1970's and 80's the school's offerings were amended to reflect the changing health care industry. As a result of the changes, SCAHR became the School of Public and Allied Health (SPAHE). Next it became the School of Community and Allied Health (SCAH) and later the School of Health Related Professions (SHRP). During this time, the school added several new areas of study including a nationally ranked program in Nutrition Sciences. Through the leadership and guidance of early visionaries, the school experienced unparalleled success, which continues to date.

Today, the School of Health Professions is comprised of more than 30 programs – at the certificate, baccalaureate, master's and doctoral levels – across five academic departments: Clinical and Diagnostic Sciences, Health Services Administration, Nutrition Sciences, Occupational Therapy, and Physical Therapy. The school is housed in three buildings, the Susan Mott Webb Nutrition Sciences Building, the Learning Resource Center Building, and the School of Health Professions Building (SHPB).

With more than 2,200 faculty, staff, and students, SHP is one of six schools comprising the world-renowned UAB Academic Health Center. Students have access to vast academic resources, state-of-the-art facilities, and progressive research.

SHP is proud of many accomplishments including:

- U.S. News & World Report ranks SHP programs in the nation's top 25
- Research funding is over \$14 million and growing
- The school is at the top of the list in research funding from the National Institutes of Health for schools of its type and has been either first or second in funding received since 1969

Under the current leadership of Dean Andrew Butler, the school has never been stronger, or better positioned as a national leader in health professions education.

SCHOOL OF HEALTH PROFESSIONS CONTACT INFORMATION

In addition to your program director and program faculty, the following individuals may be able to provide assistance with questions and issues related to your school and program activities.

Kristin Chapleau, Director of Student Services and Advising

205-996-4721; kjohnsto@uab.edu

Mary Foster, Dean Butler's Executive Assistant

205-934-5149; fostermg@uab.edu

Samantha Giordano-Mooga, PhD, Director of Undergraduate Honors Program

205-996-1399; sgiordan@uab.edu

Donna Slovensky, PhD, Senior Associate Dean for Academic and Faculty Affairs

205-934-1679 ; donnaslo@uab.edu

Kevin Storr, Director of Communications

205-934-4159; storr@uab.edu

Lee Test, Director of Academic and Faculty Operations

205-975-8034; ltest@uab.edu

Marci Willis, Director, Learning Resource Center

205-934-9472; mbattles@uab.edu

SECTION 1 – SCHOOL AND UNIVERSITY INFORMATION

ACADEMIC CALENDAR

All dates related to registration, payments of tuition and fees drop/add dates, other administrative requirements, and official school holidays are recorded on the UAB Academic Calendar available at www.uab.edu/academiccalendar.

ACADEMIC INTEGRITY CODE

The University established a new Academic Integrity Code effective August 23, 2021. This Code, which applies to undergraduate, graduate, and professional students as well as all academic activities, defines academic misconduct and outlines procedures for breaches of the code. Policies are established for resolution of charges of academic misconduct, and these processes are managed by the Academic Integrity Coordinator (AIC). In the School of Health Profession, the AIC is the Senior Associate Dean for Academic and Faculty Affairs, Dr. Donna Slovensky. Dr. Slovensky's office is located in SHPB 660. The full text of the Academic Integrity Code is available at:

https://www.uab.edu/compliance/images/FINAL_Academic_Integrity_Code__2021-June-22.pdf

ADVISING

Undergraduate student advising is provided through the Student Services and Advising unit, which is housed in the SHPB 230 suite of offices, near the elevators on the 2nd floor. Walk-ins are accepted, but appointments are preferred. Contact information for individual advisers is listed below.

Kristin Chapleau, Director of Student Services and Advising - 205-996-4721; kjohnsto@uab.edu

Carla Crews-McGirt, Academic Advisor II –934-4194; ccrewmc@uab.edu

Eileen Hatfield, Academic Advisor II - 205-934-4185; mehatfie@uab.edu

Rachel Mars, Academic Advisor II – 205-996-0867; rmars@uab.edu

Adam Pinson, Academic Advisor II – 205-975-4194; apinson@uab.edu

Graduate student advising is provided through the SHP graduate programs.

ASKIT

AskIT is the technology help desk for faculty, staff, and students. They provide free support via telephone, email, or in-person. You will be asked to supply your BlazerID when you request assistance.

Phone: (205) 996-5555 Email: askit@uab.edu Website: https://uabprod.service-now.com/service_portal

ATTENDANCE

Class attendance is expected in all SHP programs. Specific class, laboratory or clinical site attendance requirements may be more stringent than university guidelines. Refer to the program requirements in this handbook and in course syllabi for policies. The UAB policy for undergraduates follows.

The University of Alabama at Birmingham recognizes that the academic success of individual students is related to their class attendance and participation. Each course instructor is responsible for establishing policies concerning class attendance and make-up opportunities. Any such policies, including points for attendance and/or participation, penalties for absences, limits on excused absences, total allowable absences, etc., must be specified in the course syllabus provided to students at the beginning of the course term. Such policies are subject to departmental oversight and may not, by their specific prescriptions, negate or circumvent the accommodations provided below for excused absences.

The University regards certain absences as excused and in those instances requires that instructors provide an accommodation for the student who misses assignments, presentations, examinations, or other academic work of a substantive nature by virtue of these excused absences. Examples include the following:

Absences due to jury or military duty provided that official documentation have been provided to the instructor in a timely manner in advance.

Absences of students registered with Disabilities Services for disabilities eligible for "a reasonable number of disability-related absences" provided students give their instructors notice of a disability-related absence in advance or as soon as possible.

Absences due to participation in university-sponsored activities when the student is representing the university in an official capacity and as a critical participant, provided that the procedures below have been followed:

Before the end of the add/drop period, students must provide their instructor a schedule of anticipated excused absences in or with a letter explaining the nature of the expected absences from the director of the unit or department sponsoring the activity.

If a change in the schedule occurs, students are responsible for providing their instructors with advance written notification from the sponsoring unit or department.

Absences due to other extenuating circumstances that instructors deem excused. Such classification is at the discretion of the instructor and is predicated upon consistent treatment of all students. In these instances, instructors must devise a system for reasonable accommodation including, for example, policies allowing for dropped exams/quizzes, make-up exams, rescheduling of student classroom presentations or early or later submission of written assignments.

AWARDS AND HONOR SOCIETIES

All students in the School of Health Professions are eligible for consideration for the following awards or society memberships.

- Alfred W. Sangster Award for Outstanding International Student – This award is presented annually to an international student in recognition of his or her academic and non-academic achievements.
- Alpha Eta Society – The UAB Chapter of this Society recognizes students registered in the final term of a baccalaureate or graduate health professions program. Inductees must have a cumulative grade point average of 3.0 (4.0 = A), and be in the upper 10% of their program. Nominations are made by program directors in spring and summer terms.
- Cecile Clardy Satterfield Award for Humanism in Health Care – This award is made annually to recognize one outstanding student for humanitarianism, professionalism, and commitment to health care. Nominations are coordinated by program directors, but may also be made by faculty, students, patients, or preceptors.
- Charles Brooks Award for Creativity – This award is made annually in recognition of creative accomplishments such as written publications or artistic contributions which complemented the student’s academic activities. Nominations are made by program directors.
- Dean’s Leadership and Service Award – Presented to a maximum of three outstanding SHP students annually, this award recognizes leadership to the School, UAB, and the community. Nominations are made by program directors or faculty.
- Phi Kappa Phi – This is the oldest, and most selective, all-discipline honor society in the nation. Membership is by invitation to the top 7.5% of junior students and the top 10% of seniors and graduate students. Nominations are made by program directors.

Please refer to the program section of this handbook for awards and honors available to students in individual programs.

BACKGROUND CHECK

SHP students in clinical programs are required by policy, to undergo a background check using the school’s approved vendor, CastleBranch <https://discover.castlebranch.com/>, at the time of program admission, and again, prior to placement in a clinical rotation. In addition, some sites are requiring the social media background check. This package code is different than the initial package code given. Instructions for requesting the background check and appropriate consent forms are provided to students by their programs. Please refer to the policy section of this handbook for the policy statement.

BLAZERID / BLAZERNET / EMAIL

BLAZERID: All students receive a unique identifier, the BlazerID, established at: www.uab.edu/blazerid. Your BlazerID is required for accessing BlazerNET and other campus resources. To activate one’s BlazerID, select “Activate Accounts.”

BlazerNET is the official portal of the UAB information network and is accessible from any Internet-accessible computer, on- or off-campus. Access BlazerNET from UAB home page www.uab.edu then choose UAB Quicklinks.

Email: uab.edu Monitor your email regularly. Your UAB email is the official communication medium for courses, news, information and announcements. UAB student email is provided through Microsoft

Office 365, a cloud based system. Students have 50 GB of email space and 25 GB of free file 1 TB storage.

BLAZER EXPRESS

The UAB Blazer Express Transit System provides transportation throughout the UAB campus. With a valid UAB ID badge, students can enjoy fare-free bus transportation. All buses are ADA-accessible and can seat approximately 35 riders. For an updated schedule, route maps, and hours of operation please go to www.uab.edu/blazerexpress/.

BOOKSTORE

There is one bookstore located on the UAB campus, offering a wide variety of products and services to students, including online purchasing and shipping. The bookstore stock UAB memorabilia and college wear in addition to all required textbooks and course material.

UAB Barnes and Noble Bookstore

Location: 1400 University Blvd, 35233

Hours: M – F 8:00 a.m. – 5:00 pm.; Sat Closed; Sun Closed

Telephone: (205) 996-2665 Website: <https://uab.bncollege.com/shop/uab/home>

CAMPUS ONECARD

The UAB OneCard is the official university identification card. It is used for personal identification, for entry to campus events and the recreation center, for library checkout, and other UAB services. It also serves as a declining balance card for the UAB meal plans and for Blazer Bucks accounts. Additional information is available at www.uab.edu/onecard.

CAMPUS MAP

UAB's campus map can be found at the following: www.uab.edu/map/

CANVAS LEARNING MANAGEMENT SYSTEM

The Canvas Learning Management System is the platform used for managing instructional materials online. Canvas course sites are accessed through BlazerNET or at www.uab.edu/elearning/canvas. Students should monitor their course sites routinely for communication from faculty and manage course assignments.

COUNSELING SERVICES

The Counseling and Wellness Center offers no cost, confidential counseling for UAB students related to physical, emotional, social, intellectual, or spiritual concerns. The Center is located in Student Health Services at 1714 9th Ave. South. For more information, call 205-934-5816 or <https://www.uab.edu/students/counseling/>

COVID-19 PRECAUTIONS

The COVID-19 pandemic necessitated many changes in our academic and administrative operating practices. While we anticipate a return to regular operations in fall term 2021, we remind students that certain precautions are still recommended. These recommendations include:

- **Masking – masking is required in all UAB spaces.**
- If you are not vaccinated, we highly encourage you to obtain the COVID vaccine – students may receive the vaccine at no cost through Student Health Services, at walk-up clinics, or through UAB Medicine. Scheduling information is available at <https://www.uab.edu/uabunited/covid-19-vaccine>
- If you are vaccinated, please upload an image of your vaccination card through the Student Health Patient Portal at https://studentwellness.uab.edu/login_directory.aspx.
- Students who experience COVID symptoms should not come on campus or clinical sites, and should contact Student Health immediately for further instruction.
- Maintain hand hygiene with frequent handwashing and disinfectant solutions.
- Clean your work areas with disinfectant solution regularly.
- Eat only in designated spaces. Student may consume water in classrooms, but should comply with any restrictions on food and other beverages that may be in place.

Official information about COVID-19 and University guidelines is available at:

<https://www.uab.edu/uabunited/>

DIVERSITY, EQUITY AND INCLUSION (DEI)

The mission of DEI is to “... champion equity and inclusion and, in particular, to advocate for inclusive excellence and equity so that UAB students, faculty, staff, community partners and friends can flourish and excel.” Inspired by “... what we value, what we learn from research and what we teach and share with the world.” DEI’s goal is “... to inspire our people to take a courageous step to inspire equity and inclusive excellence throughout our state, nation and world, every day.” Dr. Paulette Patterson Dilworth is the Vice President responsible for the activities of this office. Information: <http://www.uab.edu/dei/>

DISABILITY SUPPORT SERVICES (DSS)

“DSS provides an accessible university experience through collaboration with UAB partners. These partnerships create a campus where individuals with disabilities have equal access to programs, activities, and opportunities by identifying and removing barriers, providing individualized services, and facilitating accommodations.”

“DSS serves as the university-appointed office charged with providing institution-wide advisement, consultation, and training on disability-related topics which include legal and regulatory compliance, universal design, and disability scholarship.”

To apply for accommodations, contact DSS. **Note:** *You must have your Blazer ID and password.*

Telephone: (205) 934-4205 or (205) 934-4248 (TDD) Fax: (205) 934-8170

Email: dss@uab.edu Website: www.uab.edu/students/disability/

DRUG SCREENING

By policy, SHP students in programs requiring fieldwork/internship placement are required to undergo a routine drug screen using the school's approved vendor, CastleBranch, www.castlebranch.com, at the time of program admission and again prior to placement in a clinical rotation. Instructions for requesting the drug screen and appropriate consent forms will be provided to students by their programs. Please refer to the policy section of this handbook for the school and university policy statements. If you have questions, please contact (205) 934-4194 or shp@uab.edu or visit room 230 in the School of Health Professions Building. For more information visit: [Students - School of Health Professions | UAB](#)

EMERGENCIES

Report suspicious or threatening activity to the UAB Police Department immediately. Law officers are available 24 hours, seven days a week. Also, more than 300 emergency blue light telephones connected directly to the police dispatch are located throughout campus.

UAB Police: Dial 911 *from a campus phone* or call: 934-3535; 934-HELP (4357); or 934-4434

Emergencies affecting campus are communicated via the following:

Weather & Emergency Hotline: (205) 934-2165 • University home web page: www.uab.edu

- Webpage: www.uab.edu/emergency
- Announcements on BlazerNET
- Twitter@UABALERT: www.twitter.com/uabalert
- [facebook.com/UABALERT](https://www.facebook.com/UABALERT)
- Cell phone messages and SMS text – register for B-ALERT notices via <https://idm.uab.edu/ens/b-alert>

FERPA

The Family Educational Rights and Privacy Act (FERPA) of 1974 provides protection for all educational records related to students enrolled in an educational program. Information about your rights and protection of your records is available at the following sites:

<https://sa.uab.edu/enrollment/services/ferpa/>; If you have questions or concerns about FERPA issues, you may email FERPA@uab.edu, or contact (205) 934-4194 or shp@uab.edu.

FINANCIAL AID

The Office of Financial Aid is located at 1700 University Blvd., Lister Hill Library, Room G20. Hours of Operation are from 8:00 am to 5:00 pm Monday thru Friday. Phone: (205) 934-8223; Fax: (205) 975-6168. Additional information can be located on the website www.uab.edu/students/paying-for-UAB.

FOOD SERVICES

Dining facilities available on campus closest to the SHP buildings include the Commons on the Green – located on the Campus Green, south of 9th Avenue and the Campus Recreation Center. Vending machines are located in the basement of the Learning Resource Center and on the 6th floor of the Webb Building. Additional information about meal plans and campus dining facilities is available at www.uab.edu/dining.

GRADUATE SCHOOL

The UAB Graduate School offers doctoral programs, post-master's specialist programs, and master's level programs. Graduate programs in SHP are coordinated through the Graduate School and students must adhere to the Graduate School policies and procedures. Graduate School information for current students is available at www.uab.edu/graduate/.

GRADUATION

All students must complete an application for degree six months prior to graduating and not later than the deadline in the academic calendar. <https://www.uab.edu/commencement/faqs>. The University holds commencement every semester. Check the commencement website for the most current information: <https://www.uab.edu/commencement/>

MEDICAL CLEARANCE

SHP students in programs that are on campus (not fully online), are required to receive medical clearance at the time of program admission. UAB Student Health Services utilizes a secure web-based process for the storage of required documents accessed through BlazerNET. More information is available at the Student Health Services website: www.uab.edu/students/health/medical-clearance/immunizations.

IMMUNIZATION POLICY

To provide a safe and healthy environment for all students, faculty and staff at the University of Alabama at Birmingham (UAB), first-time entering students, international students and scholars, and students in clinical programs, provide proof of immunization against certain diseases: <https://www.uab.edu/policies/content/Pages/UAB-AD-POL-0000086.aspx>

INSURANCE WAIVERS

To ensure that all students have adequate health care coverage, including ongoing primary and specialty care, the University of Alabama at Birmingham (UAB) requires all eligible students to have major medical health insurance. Students can provide proof of their own private coverage or be enrolled in the Student Health Insurance Plan (SHIP). The SHIP is a 1-year commercial policy provided by United HealthCare and is re-negotiated annually. This policy is a comprehensive health insurance policy at an affordable cost that is specifically designed to meet the needs of UAB Students. If you are required to have insurance but have sufficient coverage on another plan and wish to opt out of the SHIP, you are required to submit a waiver to Student Health Services at the beginning of every semester. More information including submitting a waiver can be found at this website: <https://www.uab.edu/students/health/insurance-waivers/waivers>

HIPAA TRAINING

The Health Insurance Portability and Accountability Act includes significant requirements for protecting individual privacy of health information. All students in the School of Health Professions must complete

an online tutorial and be tested on HIPAA regulations at the time of program admission. A BlazerID is required to access the training site, located at www.uab.edu/learningsystem. Compliance with the training requirement is monitored monthly.

INSTITUTIONAL REVIEW BOARD FOR HUMAN USE (IRB)

Student researchers must comply with all requirements for protection of human subjects. Detailed information is available on the IRB website www.uab.edu/irb

INTELLECTUAL PROPERTY

Intellectual property refers to an asset that originated conceptually, such as literary and artistic works, inventions, or other creative works. These assets should be protected and used only as the creator intends. Training materials defining inventor status, patent criteria, and other intellectual property issues is available at www.uab.edu/research/administration/offices/OSP/Pages/Training.aspx.

LACTATION CENTERS

Through the work of the UAB Commission on the Status of Women, the University has provided several lactation centers for students, faculty, and staff across the campus. Locations of the centers are available at <https://www.uabmedicine.org/-/lactation-consultants-help-moms-navigate-breastfeeding-journey>. The School of Health Professions' lactation room is in the Susan Mott Webb Nutrition Sciences Building at 1675 University Boulevard, room 219A. Female students enrolled in the School of Health Professions have access to the room via their student ID/OneCard. If you cannot access the room, contact the building administrator, Andrew Eaton at (205) 934-4133.

LIBRARIES AND LEARNING RESOURCE CENTER

UAB's libraries house excellent collections of books, periodicals, microforms, and other media. Have online remote access to catalogs and online collections. Computers are available for student use during regular hours of operation. <https://library.uab.edu/locations>

SHP Learning Resource Center (LRC)

The School of Health Professions Learning Resource Center (LRC) provides a unique set of enterprise solutions that promote an exciting, intriguing and innovative learning environment. It provides a state-of-the-art media studio; audio/visual support; and information technology management of public, classroom and testing labs. Web: <http://www.uab.edu/lrc/>

Located: 1714 9th Avenue S. Phone: (205) 934-5146 Email: shplrc@uab.edu

Hours: Monday – Thursday 7:00 am – 8:00 pm; Friday 7 am – 5:30 pm;

Saturday - closed; Sunday - closed

Lister Hill Library of the Health Sciences

This is the largest biomedical library in Alabama, and one of the largest in the south. Located across the crosswalk from the School, the LHL has extension libraries in

University Hospital and The Kirklin Clinic. Dedicated librarians hold “office hours” in the Learning Resource Center weekly.

Location: 1700 University Boulevard Website:

<https://library.uab.edu/locations/lister-hill>

Phone: (205) 934-2230

Mervyn H. Sterne Library

A collection of more than one million items supporting teaching and research in the arts and humanities, business, education, engineering, natural sciences and mathematics, and social and behavioral sciences.

Location: 913 13th Street South

Website: <https://library.uab.edu/locations/sterne>

Phone: (205) 934-6364 (Reference) (205) 934-4338 (User Services)

ONESTOP STUDENT SERVICES

If you have questions or need assistance with an academic or administrative process, the UAB OneStop is where to go! Advisers will help you solve your problem or do the legwork for you if another UAB resource is needed. OneStop is located in the Hill Student Center 1400 University Blvd. You may contact the OneStop office by phone or email at (205) 934-4300; 855-UAB-1STP; (855) 822-1787; onestop@uab.edu. Additional information is available at www.uab.edu/onestop.

PARKING

Student vehicles must be registered with UAB Parking and Transportation Services, located at 608 8th Street South. The office is open Monday – Friday from 7:30 a.m. – 5:00 p.m. Parking is allocated on a first-come, first-served basis. Parking fees are established by location, payable by semester or year, and are billed to the student’s account. Additional information is available at www.uab.edu/parking.

PATIENT CARE PARTNERSHIP

Students in health professions programs learn general information about the health care industry as well as knowledge and skills specific to their chosen profession. The American Hospital Association (AHA) (www.aha.org) is an excellent resource for industry information. One role fulfilled by the AHA is that of patient advocate. The Patient Care Partnership brochure (link below) outlines rights and responsibilities of patients during hospital stays.

www.aha.org/aha/issues/Communicating-With-Patients/pt-care-partnership.html.

PLAGIARISM AND TURNITIN

Plagiarism is academic misconduct that will result in a grade of zero and may result in dismissal from the School of Health Professions and UAB (see Grievance Procedures for Violations of Academic Standards). All papers submitted for grading in any SHP program may be reviewed using the online plagiarism monitoring software. Please note that all documents submitted to *Turnitin.com* are added to their database of papers that is used to screen future assignments for plagiarism.

RECREATION CENTER

The campus Recreation Center, located at 1501 University Blvd, Birmingham, AL 35294, is open to faculty, staff, students, and their families. A valid student identification card or membership card is required for access. Facilities include basketball courts, racquetball courts, weight rooms, swimming pools, exercise rooms, and indoor track. Check the website for information about hours and services at www.uab.edu/campusrecreation.

SCHOLARSHIPS: BLAZER SCHOLARSHIP MANAGEMENT AND RESOURCE TOOL (B-SMART)

The SHP has several scholarship opportunities for students enrolled in SHP programs. The Scholarship Committee, comprised of faculty and administrators, review and select awardees.

Scholarships available to students in any SHP program are the following:

Carol E. Medders Endowed Scholarship – Funding for students enrolled in a graduate program in the School of Health Professions. Awards are based on academic achievement and unmet financial need.

Ethel M. and Jessie D. Smith Endowed Nursing and Allied Health Scholarship – Funding for students enrolled in SHP programs with GPA 3.0 or above and unmet financial need. Student must be a resident of the state of Alabama at the time of enrollment.

Lettie Pate Whitehead Foundation Scholarship – Funding for female students from selected states (AL, FL, GA, LA, MS, NC, SC, TN) enrolled in SHP programs. Award amounts are variable and are based on unmet financial need.

National Alumni Society Dean's Scholarship – Funding from the UAB National Alumni Society for two scholarships per year, one to a graduate student and one to an undergraduate student.

Sandra Dunning Huechtker Endowed Memorial Award – Funding for students enrolled in SHP program with GPA 3.0 or above and unmet financial need.

SHP Dean's Scholarship – Funding to recruit or retain outstanding students. Awards are based on academic achievement, and unmet financial need.

You may visit the Blazer Scholarship Management and Resource Tool (B-SMART) to apply <http://www.uab.edu/students/paying-for-college/>. Many programs in SHP also have scholarships available to currently enrolled students in those programs. Please see the program section of this handbook for that information.

SOCIAL MEDIA

Social media can serve as useful communication tools. However, health professions students should use the forums judiciously. The School's official sites are the following:

- Twitter: https://twitter.com/uab_shp?lang=en
- Facebook: www.facebook.com/UABSHP
- YouTube: www.youtube.com/uabshp
- Vimeo: <http://vimeo.com/uabshp>
- LinkedIn: [UAB SHP LinkedIn](http://www.linkedin.com/company/uabshp)
- Website: www.uab.edu/shp

The School's Academic Affairs Committee published the following guidelines:

The Academic Affairs Committee proposes the following for social networking vehicles. Online communities like provide opportunities to share and explore interests that enrich the higher education learning experience. However, use them with discretion. UAB social media users are expected to act with honesty, integrity, and respect for others.

Professional Use - Only UAB employees authorized by their departments may use social networking Web sites to conduct University business. The authorized employee/position will serve as the point of contact for the web site. In keeping with University policy¹, the authorized employee may post on a social network profile: the University's name, school, department, and/or unit information, a University email address or University telephone number for contact purposes, or post official department information, resources, calendars, and events. The employee should use care that any personal opinions or opposition to the University either by direct statement or perception not be published.

General Use - The following guidelines are strongly suggested:

1. Use networking sites legally and appropriately. Consider your personal obligation as a citizen of the university. Use proper conduct in your posts regarding the university and your colleagues/fellow students.
2. Consider the use of a student, staff or faculty member to monitor any departmental social pages. All parties need to understand the guidelines presented.
3. Remember, you cannot ensure who does and does not have access to your information. Any text or photo placed online is available to anyone in the world – even if you limit access to your site.
4. Information that you post online may continue to stay on the World Wide Web even after you erase or delete that information from your profiles or blog. Do not post anything that could reflect negatively on you, your family, your friends, and the university.
5. Do not post any confidential or sensitive information online.
6. By agreeing to the terms of use, online communities have your permission to republish your content worldwide and share information with advertisers, third parties, law enforcement, and others.
7. You are legally responsible for your posts on the social networking sites. Be discreet, respectful, and as accurate/factual as you can be in any comments or content you posted online.
8. Potential employers, admissions officers, and scholarship committees often search social networking sites to screen candidates. Your profile will be a part of how others know you.

STUDENT ADVOCACY, RIGHTS AND CONDUCT (SARC)

Student Advocacy, Rights and Conduct (SARC) is responsible for upholding the integrity and purpose of the university through the fair and consistent application of policies and procedures to students' behavior to ensure a community that respects the dignity and right of all persons to reach their highest potential. SARC delivers programs and services in order to promote student safety and success, the

pursuit of knowledge, respect for self and others, global citizenship, personal accountability and integrity, and ethical development. More about SARC can be found here: [Student Advocacy, Rights & Conduct - Student Affairs - News | UAB](#) The UAB student conduct code may be accessed online: [Student Conduct Code \(uab.edu\)](#).

STUDENT HEALTH SERVICES

The University provides prevention, counseling, and treatment services to students through Student Health Services located at 1714 9th Avenue South. The clinic is open from 8:00 a.m. – 5:00 p.m. Monday – Thursday; 9:00 a.m. – 5:00 p.m. Friday, but is closed between noon and 1:00 p.m. daily. Detailed information about services and operating practices is located on the SHS website at www.uab.edu/studenthealth. Appointments may be scheduled by calling 205-934-3580.

TUITION AND FEES

Tuition and fees for the University are published annually under the “Current Students” tab of the UAB website. They may be paid through BlazerNET. There are two tuition rates: Alabama resident (in-state) and Non-resident (out-of-state). Currently, non-resident students who register for online course sections pay resident tuition. Non-resident tuition is charged for on-site courses such as: clinical practicums, independent study courses, and project courses. SHP programs have specific fees attached to programs, courses or laboratories. See the school fees at <https://www.uab.edu/students/paying-for-college/detailed-tuition-and-fees>

Payment deadlines for each semester are published on the official academic calendar and on the UAB website at www.uab.edu/whentopay/. Please note that failure to meet payment deadlines can result in being administratively withdrawn from courses.

WEATHER

Severe weather situations that may affect the safety of students, faculty, and staff are communicated through the same channels as other emergencies. Severe weather precautions are published at www.uab.edu/emergency/preparedness. Other information sources include:

<ul style="list-style-type: none">• Webpage: www.uab.edu/emergency	<ul style="list-style-type: none">• B-ALERT system: www.uab.edu/balert
<ul style="list-style-type: none">• Hotline: (205)- 934-2165	<ul style="list-style-type: none">• WBHM Radio (90.3 FM)

WITHDRAWAL FROM COURSE / PROGRAM

Withdrawal from a course or from your program is an official process and should be discussed with your academic advisor and / or program director. Most programs in the School are full-time and the curricula specifically sequenced. Withdrawal from a course may risk your wait time to register for the class again. You might have to wait for a full year before resuming enrollment in the program. Withdrawals are made through the UAB registration system via the Student Resources tab in BlazerNET. Notice of program withdrawal should be given in writing to the program director. Please refer to the following link

for additional information on withdrawal guidelines: <https://www.uab.edu/students/one-stop/classes/add-drop-and-withdrawal-policy>

SECTION 2 – SHP AND UAB POLICIES

SCHOOL OF HEALTH PROFESSIONS POLICIES

BACKGROUND CHECK AND DRUG SCREEN

POLICY

With the exceptions noted below, students admitted to clinical programs in the School of Health Professions (SHP) will complete a routine drug screening and criminal background check using the vendor(s) with which the School has a current agreement for those services. These screenings should be completed prior to the end of the first term of enrollment. A second routine drug screening and criminal background check using the approved school vendor, or a vendor required by the assigned clinical facility, will be completed prior to placement in a clinical rotation. Any required additional screenings, and/or those specified by waived programs, will be at the discretion of the program.

Students enrolled in SHP programs requiring an internship or other site placement as a component of degree requirements will complete a learning module in the campus learning management system by the end of the first semester of enrollment. They will submit the results of a drug screening and criminal background check from an approved vendor, prior to the end of the semester, immediately preceding the semester for which the internship or site placement occurs.

- School-negotiated fees for these screenings will be the responsibility of the student.
- Students who have completed the screenings as a condition of enrollment in a previous SHP program, are waived from the requisite unless the current program of enrollment also includes an internship or clinical placement component for degree completion.
- Drug screening and background check results performed by an approved vendor, within the most recent twelve months, may fulfill the SHP requirement.
- The rules and regulations governing individual placement sites may include additional provisions and/or more stringent guidelines which supersede this policy. Fees for these screenings are the responsibility of the student.
- Should you fail the drug screening or your background check contains issues that may prevent you from receiving or sitting for licensure, a representative from the Office of the Senior Associate Dean for Academic and Faculty Affairs will contact you. Depending upon the outcome, you may be dismissed from the program. See your program's guidelines regarding specific consequences.

Programs requiring a background check and drug screening by the end of the first semester of enrollment and again, prior to clinical placement are the following:

Doctor of Physical Therapy
Occupational Therapy Doctorate – (entry level)
Master of Science in Biotechnology

Master of Science in Clinical Laboratory Science
Master of Science in Genetic Counseling
Master of Science in Health Administration (Residential)
Master of Science in Health Physics
Master of Science in Nuclear Medicine Technology
Master of Science in Nutrition Sciences – Dietetic Internship Clinical Track
Master of Science in Nutrition Sciences – Dietitian Education Program
Graduate Certificate in Dietitian Education
Master of Science in Nutrition Sciences – Prior Learning Clinical Track
Master of Science in Occupational Therapy – (entry level)
Master of Science in Physician Assistant Studies

Programs requiring the background check and drug screening learning module during the first semester of enrollment, a criminal background check and drug screening by the end of the semester immediately preceding clinical placement or internship are the following:

Bachelor of Science in Health Care Management
Bachelor of Science in Biomedical Sciences
Bachelor of Science in Biobehavioral Nutrition and Wellness Major

*Programs waived from the Background Check and Drug Screening requirement are the following:

Doctor of Philosophy in Administration Health Services – all concentrations
Doctor of Philosophy in Rehabilitation Sciences
Doctor of Science in Healthcare Leadership
Graduate Certificate in Biotechnology Regulatory Affairs
Graduate Certificate in Clinical Informatics
Graduate Certificate in Health Care Quality and Safety
Graduate Certificate in Low Vision Rehabilitation
Master of Science in Health Administration (International and Executive tracks)
Master of Science in Health Care Quality and Safety
Master of Science in Health Informatics
Master of Science in Healthcare Simulation
Master of Science in Nutrition Sciences - Research Track
Master of Science in Nutrition Sciences – Lifestyle Management and Disease Prevention Track

Attachments:

- Procedure for Criminal Background Check and Drug Screening
- Student Instructions
- Consent to Drug Testing and Release of Drug Test Results
- Consent to Criminal Background Check and Release of Results

Note: Replaces Criminal Background Check and Drug Screening Policy 2012

* Students enrolled in exempt programs who participate in a course(s) incorporating community, corporate or other high impact, out-of-classroom activities such as service learning, capstone projects or other hands-on learning experiences, may be required by placement sites to submit background check and drug screening results. Students are responsible for the fees associated with such screening

Attachment 1: Procedure for Criminal Background Check and Drug Screening

1. Program directors (or designees) provide all accepted students with instructions for completing a background check and drug screening.
2. Students request the specified package on the approved SHP vendor website and pay the required fees.
3. Assigned designee(s) in the SHP Office for Student Recruitment, Engagement and Success (OSRES) review and provide compliance reports for programs.
4. In the event a report reveals information which may prevent a student from being placed in a clinical rotation or internship site or potentially makes them ineligible for professional certification or licensure, the OSRES contacts the individual student to discuss the implications of said information in the report. If such information exists, the student must acknowledge in writing their decision to continue in the program's didactic phase with the understanding that a degree cannot be awarded without completion of required clinical practice or internship placement.
5. Prior to clinical placement, program directors (or designees) will provide students with instructions to complete a repeat background check and drug screening. In addition, some sites require a social media background check. The package code for this is different than the initial drug screen and background package code. If a vendor is specified by the placement site or preceptor, the preceptor (or designee) will provide students with instructions.
6. Students will follow the instructions provided by sites or placements if they go beyond those of the School.
7. Students are responsible for fees required for screenings.
8. OSRES designee discusses with individual students implications for information which may inhibit placement at a clinical or internship site.
9. Students provide preceptors or internship supervisors with the required information from the results of their background check and drug screening reports.

Attachment 2:



STUDENT INSTRUCTIONS FOR UNIVERSITY OF ALABAMA AT BIRMINGHAM SCHOOL OF HEALTH PROFESSIONS

About CastleBranch.com

CastleBranch is a secure platform that allows you to order your background check & drug test online. Once you have placed your order, you may use your login to access additional features of CastleBranch, including document storage, portfolio builders and reference tools. CastleBranch also allows you to upload any additional documents required by your school.

Order Summary

Required Personal Information

- o In addition to entering your full name and date of birth, you will be asked for your Social Security Number, current address, phone number, and e-mail address.

Drug Test (LabCorp or Quest Diagnostics)

- o Within 24-48 hours after you place your order, the electronic chain of custody form e-chain will be placed directly into your CastleBranch account. This e-chain will explain where you need to go to complete your drug test.

Payment Information

- o At the end of the online order process, you will be prompted to enter your Visa or MasterCard information. Money orders are also accepted, but will result in a \$10 fee and additional turn-around-time.

Place Your Order

Go to: www.castlebranch.com and enter package code:

AH01 - Background Check and Drug Test

You will be required to enter your program under "Student Information" classification

You will then be directed to set up your CastleBranch profile account.

View Your Results

Your results will be posted directly to your CastleBranch profile account. You will be notified if there is any missing information needed in order to process your order. Although 95% of background check results are completed within 3-5 business days, some results may take longer. Your order will show as "In Process" until it has been completed in its entirety. Your school's administrator can also securely view your results online with their unique username and password. If you have any additional questions, please contact the Service Desk at 888.723.4263 x 7196 or visit the website to submit your question at: <https://www.castlebranch.com/contact-us>.

Attachment 3

UAB School of Health Professions

Consent to Drug Testing and Release of Drug Test Results

For and in consideration of my participation in clinical education experiences, I understand that I will be required to submit to drug testing as a prerequisite to my assignment to a clinical site. I hereby consent to be tested for drugs and consent to the release of any such drug test results to the Office of academic and Faculty Affairs, my Program Director, and the subsequent release of such drug test results to the clinical site to which I am assigned.

I understand that any clinical site to which I am assigned has the right to require additional drug testing as a condition of my placement. I hereby consent to any facility-required drug testing and consent to the release of such drug test results to my Program Director.

Student's Signature

Date

Signature of Parent/Legal Guardian
(required only if student is under 19)

Date

Attachment 4

UAB School of Health Professions

Consent to Criminal Background Check and Release of Results

For and in consideration of my participation in clinical education experiences, I understand that I will be required to submit to a criminal background check as a prerequisite to my assignment to a clinical site. I hereby consent to have a criminal background check and consent to the release the results to the Office of Academic and Faculty Affairs, my Program Director, and the subsequent release of the results to the clinical site to which I am assigned.

I understand that any clinical site to which I am assigned has the right to require additional background check as a condition of my placement. I hereby consent to any facility-required background check and consent to the release of the results of the check to my Program Director.

Student's Signature

Date

Signature of Parent/Legal Guardian
(required only if student is under 19)

Date

COVID-19 CAMPUS ENTRY

UAB is committed to making our campus among the safest in America as students return at the right time and under the right conditions.

- Students admitted to the School of Health Professions will follow university guidelines for COVID-19 entry found at: [Students Overview - United | UAB](#)
- Guidelines include wearing a mask while on campus; maintaining proper social distancing; washing hands often; cleaning and disinfecting frequently touched objects and surfaces; and completing required training and reporting tasks.
- All UAB students coming to campus for the fall semester 2021 will have access to a free COVID-vaccination through Student Health Services. See information at <https://www.uab.edu/uabunited/covid-19-vaccine>
- Vaccinated students should upload an image of their vaccination card through the Student Health Patient Portal at https://studentwellness.uab.edu/login_directory.aspx.
- Prior to placement in clinical settings, SHP students will follow the UAB School of Health Professions Plan/Checklist for Students entering Clinical Experiences.

EMERGENCY PLAN - SHPB

https://www.uab.edu/shp/home/images/PDF/SHPB_BUILDING_EMERGENCY_PLAN_2019.pdf

FINAL COURSE GRADE APPEAL PROCESS

www.uab.edu/shp/home/images/PDF/grievance_procedures.pdf

PLAGIARISM

www.uab.edu/shp/home/images/PDF/Plagiarism_Policy.pdf

Please note that all papers submitted for grading in any SHP program may be reviewed using the online plagiarism monitoring software, Turnitin.com. All documents submitted to Turnitin.com are added to their database of papers used to screen future assignments for plagiarism.

UAB POLICIES

CLASSROOM BEHAVIORS

ATTENDANCE / ABSENCE (UNDERGRADUATE)

<http://catalog.uab.edu/undergraduate/progresstowardadegree/#enrollmenttext>

HEALTH

AIDS AND HIV INFECTION

www.uab.edu/policies/content/Pages/UAB-HS-POL-0000252.aspx

BODY FLUID EXPOSURE

www.uab.edu/humanresources/home/employeehealth/reportingexposures

IMMUNIZATIONS

www.uab.edu/policies/content/Pages/UAB-AD-POL-0000086.aspx

SUBSTANCE USE/ABUSE

ALCOHOLIC BEVERAGES, USE AND CONSUMPTION

www.uab.edu/policies/content/Pages/UAB-AD-POL-0000071.aspx

DRUG FREE CAMPUS (GENERAL POLICY)

<https://www.uab.edu/policies/content/Pages/UAB-UC-POL-0000804.html>

NONSMOKING

www.uab.edu/policies/content/Pages/UAB-HS-POL-0000110.aspx

TECHNOLOGY GUIDELINES

COMPUTER AND NETWORK RESOURCES (ACCEPTABLE USE)

www.uab.edu/policies/content/Pages/UAB-IT-POL-0000004.aspx

COMPUTER SOFTWARE COPYING AND USE

www.uab.edu/policies/content/Pages/UAB-IT-POL-0000028.aspx

INCLUSIVENESS

EQUAL OPPORTUNITY AND DISCRIMINATORY HARASSMENT

www.uab.edu/policies/content/Pages/UAB-BT-POL-0000052.aspx

RESEARCH AND SCHOLARLY ACTIVITIES

ACADEMIC INTEGRITY CODE

https://www.uab.edu/compliance/images/FINAL_Academic_Integrity_Code_2021-June-22.pdf

ETHICAL STANDARDS IN RESEARCH AND OTHER SCHOLARLY ACTIVITIES

www.uab.edu/policies/content/Pages/UAB-RA-POL-0000263.aspx

PATENT (INTELLECTUAL PROPERTY)

www.uab.edu/policies/content/Pages/UAB-RA-POL-0000115.aspx

FIREARMS, AMMUNITION, AND OTHER DANGEROUS WEAPONS

www.uab.edu/policies/content/Pages/UAB-HR-POL-0000257.aspx

Note: Additional university policies may be located by searching the UAB Policies and Procedures Library available online at www.uab.edu/policies/Pages/default.aspx.

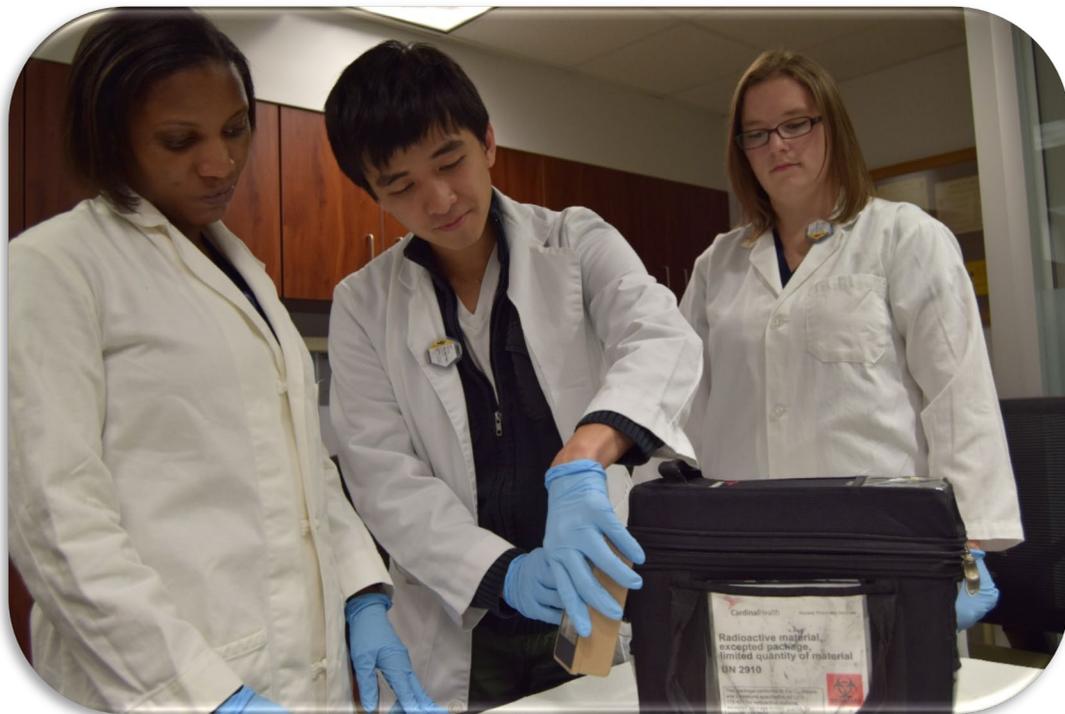
SECTION 4 – PROGRAM INFORMATION

MISSION

The UAB Master of Science in Health Physics Program is dedicated to providing a quality master's level program by offering didactic and practical coursework in a curriculum that is designed to prepare students to become competent and productive health physicists.

GOALS

1. Provide students with the knowledge and skills to secure employment in fields where radiation protection and planning are essential – industry, universities, medicine, national laboratories, government, nuclear power generation, and radioactive waste management.
2. Prepare students for Part 1 of the certification examination administered by the American Board of Health Physics (ABHP).
3. Provide students training to develop non-cognitive skills desirable of health professionals including the ability to relate well to people, deal with stressful situations, and display sound judgment and integrity.



FACULTY



Emily A. Caffrey, PhD

President, Radian Scientific, LLC

HPS Ask The Experts Editor in Chief

Member, National Council on Radiation Protection and Measurements

Program Director, Assistant Professor, and Supervised Practice Coordinator

Department of Clinical & Diagnostic Sciences

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Birmingham, AL 35294

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emilycaf@uab.edu

Emily Caffrey is the Program Director and Supervised Practice Coordinator for the UAB Master of Science in Health Physics Program. She has a B.S. in Nuclear Engineering and a Ph.D. in Radiation Health Physics and Statistics from Oregon State University. Her technical expertise is in ionizing radiation dosimetry and statistics. To date, she has published 21 technical articles.

In addition to her academic role, Emily also owns her own consulting company, Radian Scientific, LLC. She works closely with Risk Assessment Corporation on a wide variety of projects that include dose reconstructions of public exposures and risks from historical releases of radionuclides. She has also developed methods for quantifying measurement uncertainties associated with the air sampling program at the US Department of Energy's Hanford Site. She was the project lead for Waste Control Specialists Performance Assessment, recently granted approval by the regulator.

Emily is also the Editor in Chief of the Health Physics Society's (HPS) "[Ask The Experts](#)", the society's most successful public information and outreach endeavor that reaches over 1.5 million individuals annually. She also serves as the Public Information Committee chair for the HPS, where she has been instrumental in the development of [videos](#) that showcase the most commonly asked "Ask The Expert" questions. She is actively working to bring HPS into the modern era with these videos and a social media presence. Emily also serves on the HPS Program Committee, which develops and manages the technical program of the society's meetings.

Most recently, Emily was elected to the National Council on Radiation Protection and Measurements (NCRP), where she is also a Staff Consultant. She served on NCRP Committee SC 1-25, which examined recent epidemiologic studies and their implications for the Linear No-Threshold (LNT) Model. This analysis was unique in that it examined the quality of the dosimetry methods applied to the epidemiological study, a first for any report on LNT.

Emily is a recipient of the HPS Elda E. Anderson award for outstanding early career health physicists. In 2019 she was selected as one of 10 recipients of Oregon State's Council of Outstanding Early Career Engineers. This award is reserved for Oregon State Alumni who have distinguished themselves through professional practice, service to OSU, the profession, or society at large.

Courses Taught: Monte Carlo Techniques for Health Physicists, Contemporary Issues & CHP Exam Review, Non-Thesis Research



Muhammad Maqbool, PhD, MS, MSc

President Alabama Chapter Health Physics Society

Chair UAB Laser Safety Committee

Editor Nanoscale Research Letters

Editorial Board member International Journal of Radiology Case Reports

Associate Professor

Department of Clinical and Diagnostic Sciences

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Dr. Muhammad Maqbool is an Associate Professor of Health Physics at the University of Alabama at Birmingham, USA. His goals are to develop a high-standard professional graduate program in health physics and to establish an internationally recognized research group in health physics, radiation shielding, and biomedical applications of physics. He has obtained his Ph.D. degree in Condensed Matter Physics & Photonics from Ohio University, USA, M.S. degree in Medical & Radiation Physics from the University of Birmingham, UK, and his First degree from the University of Peshawar, Pakistan. Dr. Maqbool has worked at several institutions with various academic and research positions. Before joining UAB as a faculty member in May 2017, he worked as an associate professor of physics & medical physics at Ball State University and as an assistant professor of physics at the University of Mount Olive.

Dr. Muhammad Maqbool's research and scholarly expertise and activities are in the areas of medical & health physics, radiation safety, materials for radiation shielding and protection, photonics, biophotonics, biomedical applications of nanostructured materials, and quantum mechanical modeling of biological systems. He has published 90 research papers in highly reputed peer-reviewed journals. He has obtained a US Patent for inventing the Smallest AlN:Ti infrared microlaser on optical fibers. He has mentored and guided over 50 graduate and undergraduate students in their research projects. He has

published several books and book chapters. He has a broad network of research collaborations in the US and abroad.

Dr. Maqbool works as president of the Alabama Chapter Health Physics Society. He also works as Chair of the Gamma rays, x-rays, and ultraviolet rays' technical section of the Optical Society of America. He has been an active member of several professional organizations including the Health Physics Society, American Physical Society, Radiation Research Society, and Optical Society of America.

Courses taught: Principles of Health Physics, Physics of Diagnostic Imaging, Principles of Dosimetry, Nonionizing Radiation, Laser Safety, Advanced Radiation Biology, Research Methodology and Publications Analysis, and Non-Thesis Research.



Remo George, PhD, CNMT

Assistant Professor

Department of Clinical and Diagnostic Sciences

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remo@uab.edu

Remo George is an Assistant Professor in the UAB Nuclear Medicine Technology Program. He was in clinical practice for over 10 years in Indiana, Michigan & India prior to joining the school of health professions as a faculty member. He has extensive experience in nuclear medicine procedures, radiopharmaceuticals, instrumentation, and PET applications. He is also a U.S. Nuclear Regulatory Commission approved Medical Radiation Safety Officer.

Dr. Remo George received his Ph.D. in Biochemistry and Molecular Genetics from University of Alabama at Birmingham School of Medicine, and a Master's degree in Biophysics from Mahatma Gandhi University, India. He is a diplomat of the American Board of Science in Nuclear Medicine, Nuclear Medicine Technology Certification Board, and the Atomic Energy Regulatory Board of India. He is also a U.S. Nuclear Regulatory Commission licensed Medical Radiation Safety Officer. Dr. George is a member of the Health Physics Society, The Society of Nuclear Medicine and Molecular Imaging, and the American Society for Biochemistry and Molecular Biology. His research interest is in the use of antisense molecular beacons for the detection and attenuation of latent mycobacteria.

Courses taught: Nuclear Medicine Instrumentation I, Nuclear Medicine Instrumentation II, Nuclear Medicine Procedures I, Nuclear Medicine Procedures II, Radiation Protection & Biology, Regulatory Issues, Advanced Radiation Biology.



Krystle W. Glasgow, MIS, CNMT, NMAA, FSNMMI-TS

Instructor, Clinical Coordinator

Department of Clinical and Diagnostic Sciences

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Krystle Glasgow is the clinical coordinator for the UAB Nuclear Medicine Technology Program. She was in clinical practice for 5 years prior to joining the School of Health Professions. Mrs. Glasgow received her undergraduate Bachelor of Science degree in Nuclear Medicine Technology with a concentration in Computed Tomography in 2010 from UAB. She obtained a Master of Imaging Science at The University of Arkansas for Medical Science in Little Rock Arkansas. She is a certified Nuclear Medicine Technologist and also a Certified Nuclear Medicine Advanced Associate (NMAA). She is an active and contributing member of the Alabama Society of Nuclear Medicine and the Society of Nuclear Medicine and Molecular Imaging. She became a Fellow of the Society of Nuclear Medicine and Molecular Imaging Technologist Section in July of 2020.

Courses taught: Clinical Practice I, Clinical Practice II, Clinical Practice III, Patient Care, Instrumentation Lab, Procedures II, Applications of Radiation Protection and Biology, Radiochemistry and Radiopharmacy Lab.

Administrative Staff



Nicole Cross

Program Coordinator II

Department of Clinical and Diagnostic Sciences

1716 9th Avenue South, SHPB 434

Birmingham, AL 35294

205-934-4605

nicolen@uab.edu

MHP PRACTICUM SITES

Practical, hands-on education is a major component of the health physics program curriculum, and is conducted in a variety of settings in Birmingham and elsewhere. These mentored learning activities also provides the student with the necessary professional practice experience to obtain employment as a health physicist and to take Part 1 of the Certified Health Physics Exam.

The following Alabama facilities serve as supervised practice sites:

- UAB Hospital, Birmingham, AL
- UAB Office of Radiation Safety, Birmingham, AL
- UAB Advanced Imaging Center, Birmingham, AL
- Alabama Department of Public Health, Office of Radiation Control, Montgomery, AL
- Huntsville Hospital Radiation Safety, AL
- NASA Marshall Space Flight Center
- Risk Assessment Corporation
- Versant

Potential Sites include:

- Jefferson County Department of Public, AL Health
- Auburn University Radiation Safety, AL
- Oak Ridge National Laboratory, TN
- US. Army, Aberdeen, MD
- University of South Alabama
- West Physics
- Dr. Sergey Mirov Laser Lab – UAB Physics Dept.
- Radiation Control, Inc.

RESEARCH ADVISORY COMMITTEE

Recognizing a need for a pool of mentors for both the UAB MSNMT Program and the Health Physics Program, which shares coursework with the MSNMT Program, we established a research advisory committee. This committee includes the following people:

Dr. Donald Gordon, MD, chair of committee, retired nuclear cardiologist

Dr. Jon Baldwin, DO, Associate Director Radiology Residency Program, UAB

Dr. Luvenia Bender, MD, Medical Director of the UAB MSNMT Program

Dr. Emily Caffrey, PhD, Acting Program Director and Supervised Practice Coordinator, UAB

Dr. Alan Eberhardt, PhD, Professor, Associate Chair UAB Engineering Dept.

Dr. Remo George, PhD, UAB MSNMT Program Assistant Professor

Ms. Krystle Glasgow, MIS, CNMT, NMTCB(CT), NMAA, FSNMMI-TS UAB MSNMT Program

Dr. Suzanne Lapi, PhD, Director UAB Cyclotron Facility

Dr. Muhammad Maqbool, PhD, MS, MSc, Associate Professor UAB MSHP

Dr. Jonathan McConathy, MD, PhD, Director and associate prof., UAB Hospital

Dr. Sergey Mirov, PhD, Professor of Physics, UAB

Dr. Janis O'Malley, MD, Professor, UAB Hospital

Dr. Sharon White, PhD, Assoc. Professor, Chair of the UAB Rad Safety Comm.

Dr. Michael Yester, PhD, Physicist UAB Hospital

CURRICULUM

1st Fall Term	
MHP 601 – Principles of Health Physics	(3 hours)
NMT 620 – Nuclear Medical Radiation Physics, Instrumentation & Lab	(4 hours)
CDS 610 – Research Design and Statistics	(3 hours)
CDS 505 – Professional Development	(1 hours)
Total Semester Hours = 11	
1st Spring Term	
MHP 620 – Principles of Dosimetry	(3 hours)
NMT 641 – Regulations, Radiation Protection/Biology & Lab	(4 hours)
MHP 653 – Research Methodology & Publication Analysis	(2 hours)
MHP 611 – Physics of Diagnostic Imaging	(3 hours)
Total Semester Hours = 12	
1st Summer Term	
MHP 621 – Nonionizing Radiation	(3 hours)

MHP 645 – Radiation Shielding & Protection or Elective	(3 hours)
MHP 691 – Supervised Practice	(6 hours)
MHP 698 – Non-thesis Research	(2 hours)
MHP 657 – Monte Carlo Techniques for Health Physicists or Elective	(1 hours)
Total Semester Hours = 15	
2nd Fall Term	
MHP 655 – Contemporary Issues & CHP Exam Review	(3 hours)
MHP 691 – Supervised Practice	(6 hours)
MHP 654 – Laser Safety & Protection or Elective	(3 hours)
MHP 698 – Non-thesis Research	(3 hours)
Total Semester Hours = 15	

STUDENT RESPONSIBILITIES

- Maintain academic integrity by refraining from cheating. Incidents of cheating among others should be reported if, and when, it is witnessed.
- Check email on a daily basis.
- Turn off all cell phones and/or beepers prior to beginning class.
- Report to all class meetings on time.
- Bring all course materials to class.
- Assist in maintaining a constructive classroom environment by refraining from inappropriate disruptions or outbursts. Respectful behavior toward instructors, classmates, and guests is expected.
- It is recommended that you join the Health Physics Society (<http://hps.org/>) as a student member. Student membership is free for the first year, and then \$40 per year.
- It is recommended that you join the local HPS Chapter as a student member.
- Have access to a computer with MS Office software for participation in on-line work (software available at UAB bookstore at reduced cost to students.)
- Refer to the Student Policies and Procedures Handbook when in need of program and or didactic policy information. Refer to the student practicum manual when in need of information pertaining to your practicum. Failure to meet student responsibilities may lead to counseling, reprimand and/or probation.

PROGRAM GRADING POLICIES

1. The following grading scale is utilized in all health physics courses with the prefix MHP.

A = 90 – 100, B = 80 – 89, C = 70 – 79, F = < 70

2. The following grading scale is utilized in all nuclear medicine technology courses (prefix NMT). Please note that this is based on an 8 point scale rather than a 10 point scale.

A = 92 – 100, B = 84 – 91, C = 75 – 83, F = < 75

A current student who receives an “F” in any required course while admitted to the health physics program will be dismissed from the program unless there are significant mediating circumstances acknowledged by the program director. In the case of extreme circumstances, the student will be suspended from the program rather than expelled, and must wait until the next time the course in which the failing grade was made is offered again. The student will then be allowed to take the course again. Under the recommendation of the program director, the student may be required to take remedial courses prior to repeating a health physics course. If the student passes the

course, then the student may petition the program director for re-entry into the program. If the class size warrants, the student MAY be allowed to re-enter the program at the discretion of the program director. Re-entry into the health physics program is NOT guaranteed. If the student takes the course again and still fails to make a passing grade, the student will be expelled from the program. The student may reapply to the program, and must complete the full application process again and enter the program as a new student. Entry into the program is still not guaranteed, but will be on a competitive basis with the other applicants.

3. Cheating: If a student is caught and proven to be cheating, the student is in violation of the UAB Honor Code (found on the Home Page under Course Information) and will be subject to the UAB policies on Academic Misconduct. At the least, the student will receive a zero for the exam or assigned work and will be put on Academic Probation (see Program Policies and Procedures on Academic Misconduct/Probation). If placed on Academic Probation, a second infraction OF ANY KIND will result in dismissal from the program.

4. Plagiarism: All papers and assignments must be the original work of that student, or have the work of another in quotation marks with proper reference notations immediately following the direct quote. If a student is proven to have plagiarized another individual's work, claiming that work as his or her own, the student is in violation of the UAB Honor Code (found on the Home Page under Course Information) and will be subject to the UAB policies on Academic Misconduct.

TEXTBOOK LIST

2021-2022

The following are the required textbooks for use while enrolled in the program. This list is subject to change.

1 st Fall Term	
Course	Required and Recommended Texts
MHP 601- Principles of Health Physics	<i>Introduction to Health Physics</i> Cember and Johnson 4 th Edition, 2009 ISBN: 9780071423083 <i>Nuclides and Isotopes: Chart of the Nuclides</i> Knolls Atomic Power Laboratory 17 th Edition, 2009 ISBN: 9780984365302
NMT 620-Nuclear Medical Radiation Physics, Instrumentation & Lab	<i>Medical Imaging Physics</i> Hendee and Ritenour Wiley-Liss 4th Edition, 2002 9780471382263 <i>Physics in Nuclear Medicine</i> , 4th Edition Sorenson, Phelps, and Cherry 9781416051985 <i>Nuclear Medicine and PET/CT Technology and Techniques</i> , 8th Edition Waterstaram-Rich and Gilmore Mosby-Elsevier 9780323356220

	<p><i>Nuclear Medicine Instrumentation</i>, 2nd Edition Prekeges, Jennifer 9780763766382</p>
CDS 610-Research Design and Statistics	No required text
CDS 505-Professional Development	No required text
1st Spring Term	
Course	Required and Recommended Texts
MHP 620-Principles of Dosimetry	<p><i>Introduction to Radiological Physics & Radiation Dosimetry</i>, F. H. Attix ISBN: 978-0471011460</p>
NMT 641-Regulations, Radiation Protection/Biology & Lab	<p><i>Essentials of Radiation Biology and Protection</i> Forshier, S., Delmar 2nd Edition Thompson Learning, 2002 ISBN: 978142812173</p> <p><i>Radiation Protection in the Health Sciences</i> (with problem solutions manual) Noz and Maguire 2nd Edition World Scientific ISBN: 9789812705976</p> <p><i>Guide for Diagnostic Nuclear Medicine and Radiopharmaceutical Therapy</i> Jeffery A. Siegel Society of Nuclear Medicine</p>

	ISBN: 9780972647823
NMT 653/MHP 653- Research Methodology & Publication Analysis	<p>Research Methodology; a step-by-step guide for beginners, 4th Edition, by Ranjit Kuma. SAGE Press Los Angeles. ISBN-13: 978-1446269978 ISBN-10: 9781446269978</p> <p>Research Design; Qualitative, quantitative and mixed methods approach, 5th Edition, by John W. Creswell. SAGE Press Los Angeles. ISBN: 1506386709 ISBN-13: 9781506386706</p>
MHP 611- Physics of Diagnostic Imaging	<p>Required Text:</p> <p><i>The Physics of Diagnostic Imaging</i>, David Dowsett <i>2nd Edition</i>, ISBN: 978-0340808917</p> <p>Recommended Text:</p> <p><i>An Introduction to Medical Physics</i>, Muhammad Maqbool ISBN: 978-3319615400</p>
1st Summer Term	
Course	Required and Recommended Texts
MHP 621- Nonionizing Radiation	<p>Required Text:</p> <p><i>Introduction to Health Physics</i> Cember and Johnson 4th Edition, 2009 ISBN: 9780071423083</p> <p>Recommended Text:</p> <p><i>An Introduction to Medical Physics</i>, Muhammad Maqbool ISBN: 978-3319615400</p>

Elective or MHP 651- Advanced Radiation Biology	<i>Radiobiology for the Radiologist</i> Hall 7 th Edition, 2011 ISBN: 9781608311934
MHP 691- Supervised Practice	No required text
Elective or MHP 652/NMT 660- Radiopharmacy	<i>Chemistry and Analysis of Radionuclides</i> Lehto and Hou 1st Edition, 2010 ISBN: 9783527326587
MHP 654 Laser Safety & Protection	<i>Laser Safety Management</i> , Ken Barat. ISBN 978-0-8247-2307-1 <i>Introduction to LASERS theory and applications</i> , M. N. Avadhanulu. ISBN 978-8-1219-2071-1
Elective MPH 657 Monte Carlo	No required text
2nd Fall Term	
Course	Required and Recommended Texts
MHP 645 - Physics for Radiation Protection	<i>Radiation Shielding and Protection</i> , James E. Martin, 3 rd edition. ISBN: 9780387499833
MHP 655- contemporary Issues, Registry Review	No required text
MHP 691- Supervised Practice	No required text
MHP 698- Non-thesis Research	No required text

UAB AND PROGRAM ASSESSMENTS AND EVALUATIONS

The student is requested to do several types of assessments throughout their participation in the program. A list of those assessments and a brief explanation are below.

By completing the evaluations of the program, the program can identify areas in need of improvement or enhancement in order to better meet the educational needs of the student.

1. Course / Instructor Evaluation

- This is done by the student electronically at the completion of each course at the end of each semester.
- While the student is not required to do the evaluation, the information is vital for the instructor to use to improve the course.
- The evaluations are anonymous.

2. Student End-of-Term Evaluation

- This is done at the end of each semester the student is enrolled in supervised practice (MHP 691, Summer Year 1 and Fall Year 2).
- The student is requested to submit a self-assessment for those semesters (see page 55).
- If necessary, a meeting with the student and the program director will be arranged to work out any identified problem areas.

3. Exit Interview

- This is done at the end of the last semester of the program.
- The student is requested to do an evaluation of the program's strengths and weaknesses as perceived by the student.
- The evaluation is anonymous.

ACCREDITATION

Accreditation: The MSHP program intends to seek accreditation from the Accreditation Board for Engineering Technology (ABET).

ABET

415 North Charles Street

Baltimore, MD 21201

Phone: 410.347.7700

accreditation@abet.org

<http://www.abet.org/>

Credentials Conferred: A Master of Science in Health Physics Degree is awarded by The University of Alabama at Birmingham.

Board Certification: Graduates of the program are eligible to apply for the part 1 of the certification examination offered by the American Board of Health Physics (ABHP).

“The Master of Science in Health Physics degree program is designed to prepare the student to take the American Board of Health Physics (ABHP) Examination, which, once both parts are passed, can lead to a Certified Health Physics (CHP) designation. UAB is working to develop an online, publicly-accessible database to assist in providing this information. In the meantime, if you are interested in learning about potential professional licensure requirements in your state for a specific degree program, please visit the [UAB Professional Licensure and Certification General Disclosures](#) website or send an email to shp@uab.edu.

American Board of Health Physics

Michael Canino, Executive Director

191 Clarksville Road

Princeton Junction, NJ 08550

United States

Phone: (888) 282-3446

Fax: (609) 799-7032

Email: director@aahp-abhp.org

Website: <https://www.aahp-abhp.org/index.php/>

STUDENT SEIZURE PROTOCOL

1. If a student has a seizure and comes out of the seizure physically unharmed and appears to be fine after the event:
 - Do not call 911.
 - Do not write up an incident report.
 - Make sure the student is ok.

2. If a student has a seizure and is physically harmed but seems fine otherwise (i.e. a fall occurs, the student bumps their head etc.):
 - Write up the incident as a “not a medical emergency” incident (see item 5 on the attached incident reporting policy).

- Notify the program director immediately: (205) 934-3427 or (205) 975-4237
 - Transport the student to Student Health (1714 Ninth Avenue South) with a medical authorization form. This may be done by faculty or staff.
3. If the student has a seizure and is unresponsive or alert but not coherent:
- Call 911.
 - Write up the incident as a “major medical injury” (See item one on the attached incident reporting policy).
 - Accompany the student to the ER to present the completed medical authorization form. This may be done by faculty or staff.
 - Notify the program director immediately.

If this were to occur a medical authorization form and incident report form would need to be completed.

CLOSING NOTIFICATIONS

Your safety should always take precedence to official closings. To find out if class cancellation occurs due to bad weather (snow and ice) on an assigned class day use the following official sources:

UAB radio station WBHM 90.3

The UAB Web site at www.uab.edu

BlazerNet at www.uab.edu/blazernet

B-Alert System <https://www.uab.edu/emergency/communications-and-information-management/uab-b-alert>

The UAB inclement Weather Hotline at (205) 934-2165

MSHP CODE OF ETHICS

Health Physicists must strive as individuals and as a group to maintain the highest of ethical standards.

The Principles (HPS Code of Ethics) listed below are not laws, but standards of conduct to be used as ethical guidelines by health physicists.

Principle 1: The Health Physicists shall strive to improve their professional knowledge and skill.

Principle 2: The Health Physicists shall be a judge of his/her competence and will not undertake any assignment beyond his/her abilities.

Principle 3: The Health Physicist shall never compromise public welfare and safety in favor of an employer's interest.

Principle 4: The Health Physicist will gladly accept every opportunity to increase public understanding of radiation protection.

Principle 5: Professional statements made by Health Physicists shall have sound scientific basis. Sensational and unwarranted statements of others concerning radiation and radiation protection shall be corrected, when practical.

Principle 6: The Health Physicists shall protect the sources of confidential communications, provided that such protection is not itself unethical or illegal.

Principle 7: The Health Physicist shall ensure that all relations with employers, coworkers, clients, governmental agencies, and the general public are based upon and reflect the highest standard of integrity and fairness.

MSHP DRUG TESTING POLICY

In addition to the SHP Drug Testing Policy, the MHP program reserves the right to test any MHP student, with cause, at any time while they are enrolled in the program under the direction of either the Program Director or any Faculty Member.

STUDENT AWARDS & SCHOLARSHIPS

Scholarships

Once the student is admitted to the Health Physics Program, the student becomes eligible to apply for specific scholarships offered by the School of Health Professions as well as scholarships offered through the Health Physics Society (HPS).

Health Physics Society (HPS)

The Health Physics Society provides a listing of scholarships and grants from a variety of institutions, including the American Association of Physicists in Medicine, Department of Homeland Security, Department of Energy, Environmental Protection Agency, and Nuclear Regulatory Commission, among others. Links to each scholarship and grant can be found on the HPS website at: <https://hps.org/students/scholarships.html>.

SECTION 5 – STUDENT PRACTICUM MANUAL

STUDENT PRACTICUM MANUAL:

MASTER IN HEALTH PHYSICS PROGRAM

STUDENT RESPONSIBILITIES

1. Incorporate oneself into the individual department routine. Starting times, coffee breaks and lunch periods are scheduled according to scheduling, staffing needs and constraints, and the educational needs of the student.
2. Consistently attend all scheduled experiences on time. If absence or lateness is unavoidable, both the site instructor/manager and your MHP adviser must be contacted within 30 minutes of the scheduled starting time. The supervisor at each site will set the starting time for the individual student. The starting time may change during the rotation to afford the student specific experiences. The student must complete a total of 252 practicum hours during the semester.
3. Wear nametags and personal dosimetry monitoring devices provided.
4. Wear appropriate attire as required by the participating institution. If none is required, appropriate professional attire is still expected (see CDS Dept. Dress Code page 47 and UAB Hospital Dress Code in Appendix B).
5. Wear disposable gloves when handling radioactive materials.
6. Demonstrate professional behavior at all times by:
 - a. Refraining from criticizing and/or comparing hospitals, personnel or other students.
 - b. Refraining from any inappropriate discussion with colleagues in public areas and/or in any way that is not pertinent or relevant to the procedure.
 - c. Refraining from extraneous or boisterous conversation while any procedure is in progress.
 - d. Maintaining confidentiality of records and/or any information entrusted to you.
 - e. Refrain from using cell phones during assigned practicum times (see Cellular Phone & Electronic Devices Policy page 49).
7. Demonstrate professional judgment and responsibility by:
 - a. Observing the rules and regulations of the department.
 - b. Working in an orderly fashion with the assigned practicum instructor.
 - c. Considering consequences before acting.
 - d. Recognizing which decisions require approval.
 - e. Recognizing own limitations and responsibilities in the work situation.
 - f. Adjusting the pace to situation requirements.
8. Assume responsibility for one's own learning by:
 - a. Utilizing all available resources (e.g., books, journals, charts, team personnel).
 - b. Using unstructured time wisely.
 - c. Functioning without prodding.
 - d. Showing interest by asking questions and seeking new learning experiences.
 - e. Accepting constructive criticism gracefully.
 - f. Evaluating one's own performance and checking those perceptions with instructors.
9. Maintain a notebook and enter into it a daily report of experiences. Program faculty will review students' notebooks during each site visit to ascertain that students are receiving a comprehensive practical experience and are participating at a level commensurate with their experience.
10. Adhere to the policies and procedures described in this handbook (see Failure to Follow Policies/Procedures, page 51).
11. Evaluate the experience received at a particular site at the conclusion of each rotation (see Summary Evaluation, page 59).

HEALTH PHYSICS PROGRAM PRACTICUM AFFILIATES

- 1. UAB Hospital**
619 19th Street South
Birmingham, AL 35233-6835
Phone (205) 975-8325

- 2. UAB Advanced Imaging Facility**
619 19th Street South
Birmingham, AL 35233-6835
Phone: (205) 975-8325

- 3. UAB Office of Radiation Safety**
Occupational Health & Safety
933 19th St. S, Suite 445
Birmingham, AL 35205-3703
Phone (205) 934-2487

- 4. Alabama Department of Public Health**
Office of Radiation Control
The RSA Tower
201 Monroe Street, Suite 1250
Montgomery, AL 36104

Phone (334) 206-5391

- 5. Huntsville Hospital Radiation Safety**
Pavlina Pike, PhD, DABR
Medical Physicist, Radiation Safety Officer
256.265.1963 (office)

- 6. NASA Marshall Space Flight Center**
Jarvis Caffrey, PhD
Radiological/Nuclear Engineer
Phone: (800) 637-7223

- 7. Risk Assessment Corporation**
Emily Caffrey, PhD
Phone: 541-250-1975
Website: <http://www.racteam.com/>

8. Versant

Sandy Konerth
Director of Regulatory and Training Services
Email: Skonerth@versantphysics.com
Phone: 410-610-8976

Site	Phone #	Fax #
AL Department of Public Health	(334) 206-5391	(334) 206-5387
UAB Advanced Imaging Facility	(205) 934-5345	(205) 801-7562
UAB Hospital	(205) 975-8325	(205) 934-5589
UAB Office of Radiation Safety	(205) 934-2487	(205) 934-7487
Huntsville Hospital Radiation Safety.	(256) 265-1963	(256) 265-2349
NASA Marshall Space Flight Center.	(800) 637-7223	
Risk Assessment Corporation.	(541) 250-1975	
Versant	(410) 610-8976	

ATTENDANCE POLICY

1. Students are expected to be present on site as scheduled.
2. Punctual attendance is mandatory.
3. If absence or lateness is unavoidable, both the site and your MHP adviser must be notified within 30 minutes of the scheduled starting time each day that the student is late or absent.
4. Excessive tardiness or absences may affect the practicum grade adversely.
5. No absences from practicum are allowed.
6. Absences must be made up before the end of the last official final exam day.
7. If class cancellation occurs due to inclement weather on an assigned practicum day, every effort should be made to be present since it is possible the site could be in need of assistance on such days. Your safety, however, should take priority. If you cannot get to your assigned site, notify your instructor/manager and your MHP adviser.

DRESS CODE

1. All students must wear a long sleeved, knee length lab coat over appropriate street clothes or uniform. No jeans, short skirts, revealing clothing, caps or headwear of any kind are permitted. Headdresses may be worn for religious reasons if approved by faculty, staff and practicum site affiliate.
2. Whole body and finger personal dosimetry badges must be properly worn whenever radiation is handled, particularly due to handling radioactive material as required by federal, state and institutional regulations.
3. Student name badges must be worn at all times.
4. Footwear should be clean, cover the entire foot, closed-toed and provide good balance. No high heels, clogs, open-toed shoes are permitted. Properly and securely laced black or white athletic shoes in good condition may be worn.
5. Jewelry, make-up, cologne, and perfume should be understated and kept to a minimum. Fingernails should be clean and neatly trimmed. While piercings other than one set of earrings are discouraged, all students must abide by the practicum affiliates' rules and regulations concerning this issue.
6. Hair should be neat in appearance. Longer hair must be worn up and secured off the face. Excessive or unconventional hairstyles or colors are prohibited. Facial hair must be trimmed and neatly kept.
7. No visible tattoos are allowed.
8. Students may be required to comply with the dress code of a particular institution. See Appendix B, Institutional Dress Code for the UAB Hospital/Advanced Imaging Center.

RADIATION DOSIMETERS

1. MHP students are issued a whole-body badge and TLD ring badge to monitor radiation exposure.
2. Students are responsible for the security of their radiation dosimeters, and are expected to wear them appropriately in the practicum and laboratory settings at all times.

3. Whole body and ring badges will be collected during the last week of each month. Students must review and initial their radiation exposure reports as they become available.
4. Lost badges should be reported to the Clinical Coordinator immediately. Students are not permitted to participate in instructional or practicum activities involving radioactivity without appropriate radiation dosimeters. There is a replacement charge of \$5.00 for ring badges and \$5.00 for whole body badges, payable at the time the new badge(s) is (are) received. A lost film badge report form must also be completed as required by the UAB Radiation Safety Office.

ACCIDENTS AT PRACTICUM SITES

Students who are involved in accidents during their practicum should report the incident to their supervisor immediately. Initial treatment for the injury may be rendered by on site as appropriate. A charge may be made to the student or the student's insurance for all or part of that treatment. If more extensive treatment is required, depending on the nature of the injury, the student should report to the Student Health Service or the UAB Hospital Emergency Department. If the injury involves a needle stick or exposure to infectious disease, see policy by this link: <http://www.uab.edu/studenthealth/emergencies/blood-a-body-fluid-exposure>.

An incident report should be completed at the site where the accident occurred and copies should be forwarded to Student Health Services and the MHP Program Director.

The MHP Program Director or Supervised Practice Coordinator should be informed promptly after the accident has occurred.

EXPOSURE TO INFECTIOUS DISEASE

Students who have received a needle stick injury or who may have been exposed to an infectious disease (e.g., HIV, hepatitis B, tuberculosis) should report the incident to the practicum supervisor immediately.

If the student is at UAB:

Contact UAB Employee Health (934-3675) during regular daytime working hours or page the Rapid Response Needle Stick Team (934-3411) after hours. The student will be instructed where to report for evaluation and treatment.

If the student is in Birmingham, but outside UAB:

If the institution will not provide care free of charge to the student, contact UAB Student Health (934-3580) or UAB Employee Health (934-3675) for advice about where to report for evaluation and treatment.

If the student is outside of Birmingham:

Contact UAB Student Health (934-3580) during regular business hours or, if after hours, page the Rapid Response Needle Stick Team (934-3411) for advice about where to be evaluated. If travel to Birmingham is not practical, the student will be advised to seek care at the local emergency department if the practicum facility will not provide evaluation through its own employee health service.

An incident report should be completed at the site where the exposure occurred and should include the following details:

- a) the type of exposure
- b) the hepatitis or HIV status of the patient

(Note: If the patient's serological status is unknown, the practicum supervisor should contact the patient's attending physician and request the physician obtain a specimen for serologic testing.)

The student should submit a copy of the incident report and/or copy of the treatment received at the emergency department within a week of the injury/exposure. This documentation should be mailed or hand delivered. Faxes will not be accepted to comply with guidelines governing patient confidentiality.

The MHP Program Director or Clinical Coordinator should be informed promptly after the needle stick/exposure has occurred.

CELLULAR PHONE AND ELECTRONIC DEVICES POLICY

While at a practicum site, a student is permitted to have a cell phone; however, the use of a cell phone is only permitted during breaks and lunch periods.

If an emergency situation occurs where the student must be in contact with family or friends, cell phones may be left on in silent or vibrate mode only and any emergency calls must be taken away from any patient areas. It is the student's responsibility to notify the site manager/supervisor of such situations beforehand.

Any other personal electronic devices must only be used during breaks and lunch periods.

HEALTH PHYSICS POLICY ON ELECTRONIC DEVICES

No electronic devices of any kind (i.e., computers, tablets, e-readers, smart phones, video recording devices, sound recording devices, e-smart watches, e-smart glasses, or any other future developed electronic device) is permitted without instructor's approval during scheduled class periods. Violation of this policy will result in the student being asked to leave class and being charged with an unexcused absence for the class period. (Therefore, since the Clinical & Diagnostic Sciences Department has an attendance policy this will be counted as a 1% deduction from your course grade).

PREGNANCY POLICY

The University of Alabama at Birmingham seeks to treat all students equally, regardless of their actual or potential parental, family or marital status. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex — including pregnancy, parenting and all related conditions — in education and in programs and activities that receive federal funding.

The University must treat pregnant students in the same way it treats similarly situated students. Thus, any accommodation provided to students who have temporary medical conditions will also be provided to pregnant students. Students seeking an accommodation due to pregnancy or a condition related to pregnancy must register with the Title IX Office.

The Title IX Office offers accommodations, options and resources to students who are pregnant, recovering from pregnancy, and/or a condition related to pregnancy. Additionally, the Title IX Office works with students, University administration, departments, faculty, staff, campus police, and other support services to ensure that University policies and programs foster a campus community free of sex discrimination.

To seek accommodations, please contact the Title IX Office by calling 205-996-1340 or emailing titleixoffice@uab.edu. See the <https://www.uab.edu/titleix/> for more information.

The purpose of the student pregnancy policy is to assure students a safe pregnancy and to be in compliance with federal and state radiation control regulations as well as the Equal Employment Opportunity Commission guidelines. Pregnant students may continue in the MHP Program. It is the individual student's responsibility to utilize the guidelines set forth in this policy for protection of the embryo/fetus and self.

Procedure:

1. Any suspected or known pregnancy can be voluntarily reported to the Program Director and/or the Academic Clinical Coordinator in writing. The program faculty will discuss with the pregnant student the effects of irradiation in utero inclusive of radioprotective procedures.
2. The pregnant student will sign the Pregnancy Release form to acknowledge comprehension of the information provided by the Program faculty. The student will also be referred to the ASRT guidelines and other pertinent references on the subject.
3. The pregnant student will be issued an additional fetal monitor (radiation dosimeter) which will be worn at the waist and **under** a protective apron.
4. According to NCRP Report #53, the maximum permissible dose equivalent from occupation exposure to the expectant mother is 500 mrem (5 mSv) for the entire pregnancy.
5. The monthly radiation exposure report inclusive of accumulative dose for each individual is made available to the Program faculty and the student.
6. In accordance with the pregnancy policy of the specific practicum assignment, a student will wear an appropriate lead apron as needed.
7. It is not recommended that a pregnant student perform or observe any radiation therapy technique or PET procedure for the duration of the pregnancy.

8. Practicum rotation schedules may be modified to schedule the pregnant student through low radiation areas especially during the first trimester.
9. The pregnant student is expected to meet all objectives of the supervised practice course without exception. Failure to complete all required assignments could possibly result in a failing grade for that term of practical education.
10. For further information on this matter, visit the NRC website at: <https://www.nrc.gov/>
11. A student is offered two alternatives after the consultation with the Program Director upon voluntarily declaring pregnancy. These options are:
 - a. The declared pregnant student can immediately withdraw from all practical and didactic courses and write a letter to the Health Physics Program Director requesting re-entry the following year.
 - b. The declared pregnant student can continue in the program after being given specific instruction regarding radiation safety practices, additional radiation monitoring, and specific practical and laboratory assignments.
12. The student must abide by the regulations set forth by UAB Radiation Safety concerning Occupationally Exposed Pregnant Personnel and complete any advised training or informational programs requested by UAB Radiation Safety.

SCHEDULED PRACTICUM SITE VISIT POLICY

Students are to remain at practicum site until the scheduled visit has been changed or is complete. A scheduled visit will be conducted by The University of Alabama at Birmingham Health Physics Program personnel. No student is to leave the practicum site prior to site visit unless an emergency occurs. In the event of an excusable emergency, proper documentation should be submitted.

PROFESSIONAL BEHAVIOR IN PRACTICUM POLICY

Students are expected to be professional in their practicum assignments. They are to exhibit professional behavior with practicum managers and other personnel. Professional behavior includes not using electronic devices without permission, not sleeping, and any other behavior deemed inappropriate by MHP Program personnel.

FAILURE TO FOLLOW POLICIES AND PROCEDURES OF THE PRACTICUM HANDBOOK

Students are required to follow the policies and procedures as outlined in the Practical Education Handbook. The Handbook is distributed at the beginning of the student's first year, and is always available online. **Ignorance of the contents of the Practical Handbook is not an excuse for noncompliance.**

Violations of the policies and procedures will be handled in the following manner:

First violation:

The program director or clinical coordinator will review the policy or procedure in question with the student to ensure that the student understands the expected behavior. The counseling session will be documented in writing and maintained in the student's file.

Second violation:

The student will receive written notification that he/she is being placed on probation for failing to adhere to a policy or procedure for the second time. The period of probation will extend for the remainder of the term in which the second violation took place and the following term.

Third violation:

The third infraction will result in the student's dismissal from the program.

STUDENT EVALUATION OF PRACTICAL EXPERIENCE

Students' perceptions about the effectiveness of the supervised practice courses are very helpful in improving and strengthening this portion of the MHP curriculum. To gather this information in a systematic way, students are asked to evaluate the hands-on instruction they have received at the conclusion of each term (summer and fall). The completed evaluation form (see Appendix C) should be returned to the MHP Program Director within three days of the end of a term.

PRACTICAL EDUCATION

OVERVIEW OF PRACTICAL EDUCATION

The purpose of practical education is to provide students with experiences that cannot easily be reproduced in a classroom or instructional laboratory setting. Every effort will be made to ensure each student in the Health Physics Program has the opportunity to gain experience in one or more of the following areas based on interest and availability:

General Imaging

Radiopharmacy

PET Imaging

Cyclotron Facility

Radiation Safety Office – University and Hospital Level

Radiation Safety Office – State Level

At the end of each term, each student will meet with the MHP Program Director to review the student's self-assessment and to identify the next practicum site.

HEALTH PHYSICS PROGRAM EXAMPLE PRACTICUM OBJECTIVES:

Upon completion of the supervised practice portion of the MHP curriculum (two terms of MHP 691), the student will be able to perform the following tasks:

DEPARTMENT ADMINISTRATION/MANAGEMENT FUNCTIONS

1. State the code numbers and the emergency dialing procedures for cardiac arrest, fire, and security.
2. State the location of the emergency equipment for use in the nuclear medicine department.
3. Describe the daily routine in relation to radiation surveys, radiopharmaceutical, and quality control.
4. Interact with hospital and departmental staff to schedule quality control most effectively.

RADIATION SAFETY/PROTECTION

1. Use time, distance and shielding techniques consistently to minimize radiation exposure to self and others.
2. Wear protective clothing and personnel monitoring devices consistently.
3. Use appropriate methods for storing and disposing of radioactive materials and waste.
4. Perform area radiation surveys and wipe tests for contamination on a regular schedule.
5. Perform decontamination procedures as required.
6. Review own monthly radiation exposure and take appropriate action to decrease exposure, as needed.
7. Receive and process radioactive shipments according to department protocol and regulatory requirements.
8. Maintain records of radiation surveys, wipe tests, waste disposal, radioactive material receipt, and radioactive spills and decontamination according to regulatory requirements.

INSTRUMENTATION

1. Perform routine scintillation camera quality control (uniformity, linearity, resolution and center of rotation) using standardized parameters.

2. Review scintillation camera quality control results and compare with previous results to determine acceptability and need for service.
3. Perform dose calibrator quality control (constancy, linearity, accuracy, geometric variation,) at prescribed intervals using the appropriate radiation sources.
4. Review dose calibrator quality control results and compare with previous results to determine acceptable performance.
5. Calibrate a scintillation spectrometer.
6. Perform daily background checks, chi-square evaluations and energy resolution checks on a scintillation spectrometer.
7. Review scintillation spectrometer quality control and compare with previous results to determine acceptable performance.
8. Operate a survey meter, checking the batteries and check source before each use.
9. Maintain records of instrumentation quality control results according to regulatory requirements.

RADIOPHARMACY

1. Correctly elute a Mo-99/Tc-99m generator using aseptic and radiation protection techniques.
2. Assay the eluate and determine its concentration.
3. Perform Mo-99 and Al⁺³ breakthrough checks on Tc-99m eluate, determine if the eluate is acceptable for administration and record the results.
4. Prepare Tc-99m-labeled radiopharmaceuticals according to kit instructions.
5. Calculate the final concentration of the preparation.
6. Determine the radiochemical purity of each prepared Tc-99m radiopharmaceutical, analyze and record the results.
7. Using a calculator and decay factor chart, calculate the volume or number of capsules in a unit dose.
8. Dispense a unit dose using appropriate radiation safety and aseptic techniques, and label the syringe or syringe shield.

9. Verify each unit dose in a dose calibrator before administration.
10. Record unit dose information in the appropriate format.
11. Dispose of radioactive and bio-hazardous waste appropriately.
12. Maintain records of eluate and radiopharmaceutical quality control, and unit dose records according to regulatory requirements.

PROFESSIONAL BEHAVIOR

1. Assess his/her own work objectively and implement changes for improvement.
2. Exercise independent judgment while remaining within limits of responsibility.
3. Interact with personnel in a professional and empathetic manner.
4. Maintain confidentiality of all information.
5. Cooperate effectively with other staff members.

MENTOR ASSESSMENT FORM

A summary evaluation is to be completed for each practicum site.

3. Please describe in detail what new skills or knowledge you acquired during this practicum and how those apply to your future goals.

APPENDICES

The University of Alabama at Birmingham
School of Health Professions
HEALTH PHYSICS PROGRAM

APPENDIX A: Student Work Policy

(November 2002)

All students are covered by professional liability insurance when they are enrolled and participate in the supervised practice courses of the MHP Program. Students who become employees in a clinical area and whose work takes place outside of the MHP curriculum are not covered by student liability insurance.

For work that requires monitoring of radiation exposure, unless the student is a UAB employee, students must wear dosimeters provided by their employers. Students must wear personnel dosimeters provided by UAB only when they are functioning as a UAB MHP student in an assigned clinical facility or when they are working as a UAB employee in an area where occupational radiation exposure is monitored.

The University of Alabama at Birmingham
 School of Health Professions
HEALTH PHYSICS PROGRAM

APPENDIX B:

University of Alabama Hospital and Advanced Imaging Center Dress Code Standard

**UNIVERSITY OF ALABAMA HOSPITAL
 DRESS CODE STANDARD**

Title of Management Policy: <u>Dress Code Standard</u>			
JCAHO Reference:			
Initiated:	<u>Dress Code Project Team</u>	Initiated:	
	Author _____ Date _____		Author _____ Date _____
Endorsed:	<u>Patent Relations Steering Committee</u>	Endorsed:	
	Committee/Manager _____ Date _____		Committee/Manager _____ Date _____
Approved: (originally)		Approved: (originally)	
	_____ Date _____		_____ Date _____
Approved: (Present Edition)	<u>Kevin E. [Signature]</u> <u>9/25/96</u>	Approved: (Present Edition)	<u>[Signature]</u> <u>9/25/96</u>
	Hospital Executive Director _____ Date _____		Chief, Medical Staff _____ Date _____

1. PURPOSE:

To set forth dress standards that will present a professional image of UAB University Hospital.

2. PHILOSOPHY:

It is our belief that the dress/appearance of staff promotes a positive, professional image that projects a caring atmosphere to our patients/customers. It is the responsibility of each Department director/manager to use discretion in the interpretation of this policy to ensure that these standards are met.

3. POLICY:

3.1 All employees are expected to maintain the standards of neatness, cleanliness, grooming and dress. The following guidelines represent minimum standards. Department directors/managers may adopt additional dress standards more stringent (but not less stringent) than the requirements indicated below.

3.2 Hospital identification badges will be worn at collar/shoulder level while on the Hospital

premises for work related purposes. The name and picture will be visible. Clinical areas may alter the location of the identification badge when engaging in an activity that may affect patient safety.

- 3.3 Street clothes/uniforms will be clean, wrinkle free and loose fitting to allow for freedom of movement. No halter tops, sweat pants/shirts, or leggings (that are not part of the department uniform) will be worn. Shirt tails must be tucked into pants.
- 3.4 Clothing with slogans, advertisements, or logos will not be worn (except that employees may wear clothing with slogans, advertisements, or logos promoting Hospital-sponsored events and initiatives that are authorized by Hospital management (department directors/managers).
- 3.5 Dresses/skirts cannot exceed two inches above the knee in length.
- 3.6 Dress shorts can be worn with a jacket/blazer and cannot exceed two inches above the knee in length.
- 3.7 Hosiery will be worn with dresses, skirts and dress shorts. Patterned, appliquéd or seamed hosiery are not acceptable.
- 3.8 Shoes should be comfortable, appropriate for the work environment and consistent with professional attire.
- 3.9 Sunshades (or other tinted, non-prescription glasses) shall not be worn inside hospital facilities.
- 3.10 Caps or hats are not acceptable unless a part of the uniform.
- 3.11 Under garments will be worn and will not be visible.
- 3.12 Each employee is responsible for his/her daily personal hygiene.
- 3.13 Jewelry will be conservative/no facial jewelry permitted (except on earlobes).

No more than:

3.13.1 Anklets – 1

- 3.13.2 Rings may be on 2 fingers per hand (not to extend above the knuckle).
- 3.13.3 Earrings – No more than 2 pairs may be worn. Earrings will be no larger than two inches in diameter or length.
- 3.13.4 Necklace – 2 necklaces
- 3.13.5 Bracelet – 1 to each arm
- 3.13.6 Watch – 1 watch
- 3.14 Nails will be neat and clean; no longer than one-half inch from the end of finger.
- 3.15 Hair will be neat and clean.
- 3.16 A minimum amount of perfume, cologne or other scented products may be worn outside patient care areas.
- 3.17 Uniforms and other applicable items supplied by the Hospital Department (i.e., keys identification badge, etc.) must be returned to the department when an Individual ends employment with the Hospital or transfers to another area within the Hospital.
- 3.18 Dress standards will be adhered to anytime an employee is on the hospital premises and wearing an identification badge. Requests for exceptions to any of the dress standards based on cultural, religious or medical reasons must be submitted in writing by the employee to the Director, Hospital Human Resources Management for consideration. The employee will receive a written response.

4. **DISCIPLINARY ACTION –**

Rolling 12-Month Basis:

Employees who are in violation of this standard may be sent home without pay to change clothes and return immediately to work. The Department director/manager may use their discretion as to whether or not the employee may make up time missed.

The disciplinary process will be activated consistently with University policy:

- 4.1 Verbal Warning with Education of Hospital and Departmental Policy (if applicable)
- 4.2 Written Warning with Education of Hospital and Department Policy
- 4.3 Suspension and Imposed Probation
- 4.4 Termination

5. EDUCATION:

- 5.1 New employees will be presented a copy of the Hospital Dress Code Standard and the Department Dress Code Standard (if applicable) during orientation.

- 5.2 Each Department Dress Code Standard will address specific requirements for the area (i.e., uniforms) and take into consideration the safety needs of employees and patients, or other customers (i.e., no sandals or open toed shoes, appropriate cover worn over scrub suits when outside sterile environment, etc.). It will also state locations and under what conditions the garments will be worn (i.e., no surgical shoe covers outside surgical area, etc.).

- 5.3 Department Dress Code Standards will be approved by the respective Associate Executive Director and a copy will be sent to the Human Resource Management, Department of Relations, Administration Building, extension 4-4458.

- 5.4 Hospital Dress Code Standard evaluation will occur at least annually.

6. SCOPE:

Dress Code Standards applies to all areas of the Hospital.

7. PERFORMANCE IMPROVEMENT TRACKING RECORD

Action			Reasons for Development of Standard						Change in Practice	
New Policy	Policy Revision	Policy Review	Required Review	Document Current Practice	Legal/Regulatory Requirement	Quality Risk Safety	New Knowledge	Cost Efficiency	Yes	No
REVISIONS:			This policy is to be reviewed frequently, no less than once every three (3) years, and revised as needed.							
DATE DISTRIBUTED:										
FILE NAME:			It should have the same name as the old dress code standard							

The University of Alabama at Birmingham
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HEALTH PHYSICS PROGRAM

APPENDIX C:

IDENTITY THEFT PREVENTION POLICY

(Red Flags)

April 1, 2011

I. Introduction

The University of Alabama at Birmingham (UAB), also referred to herein as "University," has developed this Identity Theft Prevention Policy to facilitate the University's Identity Theft Prevention Program

("Program") pursuant to the Federal Trade Commission's ("FTC") Red Flags Regulation (16 CFR § 681.2), which implements Section 114 of the Fair and Accurate Credit Transactions (FACT) Act of 2003 and the final rules implementing section 315 of the FACT Act. The regulations require each financial institution or creditor to develop and implement a written Identity Theft Prevention Program (Program) to detect, prevent, and mitigate identity theft in connection with the opening of certain accounts and the maintenance of certain existing accounts. For the purpose of these regulations, UAB is considered a creditor and has developed this policy with consideration of the size and complexity of the University's operations, its account systems and the nature and scope of the University's activities.

II. Scope and Applicability of Policy

Managing and protecting data are responsibilities shared by all members of the University community. This policy complements existing "Red Flags" policies of the UAB Health System (UABHS), and other existing University policies related to data security, data protection, and information disclosure. Such policies include, but are not limited to, the UAB Data Protection and Security Policy and the UAB Information Disclosure and Confidentiality Policy. These and other related policies combine to promote UAB's effort to comply with the Health Insurance and Portability and Accountability Act (HIPAA), the Family Educational Rights and Privacy Act (FERPA), Graham Leach Bliley Act (GLBA), Payment Card Industry (PCI) standards, and the

Federal Information Security Management Act (FISMA).

This policy applies to Primary Covered Accounts in Appendix (A) and does not apply to accounts covered under the UABHS "Red Flags" policy.

1. Excepting those individuals covered by the existing UABHS "Red Flags" policy, all other individuals, (faculty, staff, students, and visitors), schools, departments, affiliates and/or other similar entities within the University community, including employees of contracted or outsourced non-UAB entities who have access to covered account Personal Identifying Information (PII) are subject to this policy.
2. All customer PII not covered by the UABHS "Red Flags" policy is covered under this policy including, but not limited to, PII data contained in centralized institutional systems, department/unit systems, systems created or operated by third party vendors under the direction of UAB, and PII data stored or maintained in any other capacity or medium where there is a reasonable foreseeable risk of identity theft.

III. Definitions and Program

A. Definitions Used in this Program

1. **Identity Theft** is a fraud committed or attempted using the identifying information of another person without authority.
2. **Red Flag** is a pattern, practice, or specific activity that indicates the possible existence of identity theft.
3. An **Account** is a continuing relationship established by a person with a financial institution or creditor to obtain a product or service for personal, family, household or business purposes. Account includes: (i) An extension of credit, such as the purchase of property or

services involving a deferred payment; and (ii) A deposit account.

4. A **Covered Account** is (i) any account the University offers or maintains primarily for personal family or household purposes, that allows multiple payments or transactions, including one or more deferred payments; and (ii) any other account the University identifies as having a reasonable foreseeable risk to customers or the safety and soundness of the University from identity theft. A list of covered accounts under this policy can be found in Appendix A.
5. **Program Administrator** is the individual designated with primary responsibility for oversight of the Identity Theft Policy. See Section VII below.
6. An **Identity Theft Prevention Officer** is someone designated by a department with covered accounts to serve as a liaison to the Program Administrator and is responsible for ensuring that the requirements of the Identity Theft Prevention Policy are incorporated in departmental procedures. This person also may be responsible for ensuring the implementation of other University policies that safeguard and protect data from unauthorized access, use, and disclosure.
7. **Personal Identifying Information (PII)** is any name or number that may be used, alone or in conjunction with any other information, to identify a specific person. Below are examples of data fields that are considered PII:
 1. Taxpayer Identification Number (SSN, ITIN or EIN)
 2. System Generated Identification Number (student number or patient number, etc.)
 3. Government Passport Number
 4. Government Issued Driver's License or Identification Number
 5. Name
 6. Date of Birth
 7. Address
 8. Telephone Number(s)
 9. Personal Identification Number (PIN)

 10. E-mail Address
 11. Blazer ID
 12. Password
 13. Computer Internet Protocol Address
 14. Routing Code

B. Fulfilling Requirements of the Red Flags Regulations

Under the red flags regulations, the University is required to establish an "Identity Theft Prevention Program" tailored to its size, complexity and the nature of its operation. **Each University department with covered accounts that maintains, disseminates or disposes of covered account PII data shall designate an individual who will serve as the department's Identity Theft Prevention Officer.** The Identity Theft Prevention Program must contain reasonable policies and procedures to:

1. **Identify** relevant red flags for new and existing covered accounts and incorporate those red flags into the Program;
2. **Detect** red flags that have been incorporated into the Program;
3. **Prevent** identity theft by responding appropriately to any red flags that are detected;
4. **Mitigate** identity theft once it has occurred; and
5. **Update** the program periodically to reflect changes in risks to the customer and the University from identity theft.

IV. Identification of Red Flags

In order to identify relevant red flags, the University departments should consider the types of accounts that it offers and maintains, methods it provides to open its accounts, methods it provides to access its accounts, and its previous experiences with identity theft. The University has identified the following red flags in each of the categories listed in this section. Additional red flags may be identified by each department and included in the department's procedures to prevent, detect, and mitigate identity theft.

A. Notifications and Warnings from a Credit Reporting Agency

1. A report of fraud accompanying a credit report;
2. A notice or report from a credit agency of a credit freeze on an applicant;
3. A notice or report from a credit agency of an active duty alert for an applicant;
4. Receipt of a notice of address discrepancy in response to a credit report request; and
5. Indication from a credit report of activity that is inconsistent with an applicant's usual pattern of activity.
 1. A recent significant increase in the number of inquiries.
 2. An unusual number of recently established credit relationships.
 3. A material change in the use of credit, especially with respect to recently established credit relationships.
 4. An account that was closed for cause or identified for abuse of account privileges by a financial institution or creditor.

B. Suspicious Documents

1. An identification document or card that appears to be forged, altered or inauthentic;
2. An identification document or card on which a person's photograph or physical description is not consistent with the person presenting the document;
3. Any other document with information that is not consistent with existing PII maintained by the department or presented by the person opening an account or engaging in an account transaction; and
4. An application for service that appears to have been altered or forged, or gives the appearance of having been destroyed and reassembled.

C. Suspicious Personal Identifying Information (PII)

1. PII presented that is inconsistent with other information on record that the person has provided (example: inconsistent date of birth, SSN, address or telephone numbers, etc.);
2. Identifying information presented that is the same as information shown on other applications that were found to be fraudulent;
3. Identifying information presented that is consistent with fraudulent activity (such as an invalid phone number or fictitious billing address);
4. A Social Security Number presented that is the same as one given by another person;
5. An address or phone number presented that is the same as that of another person not reasonably expected to be a part of the same household; and
6. Failure to provide complete PII in person, on the phone, or on an application when reminded to do so.

D. Suspicious Covered Account Activity or Unusual Use of Account

1. Change of address for an account is followed by a request to change the person's name;
2. Payments stop on an otherwise consistently up-to-date account;
3. Account is used in a way that is not consistent with prior use;
4. Mail sent to the person is repeatedly returned as undeliverable;
5. Notice is received by the University that a person is not receiving mail sent by the University;
6. Notice is received by the University that an account has unauthorized activity;
7. A breach is detected in the University's computer system security; and
8. Unauthorized access to or use of a person's account information is detected.

E. Alerts from Others

1. Notice to the University received from an identity theft victim, law enforcement or other individual that the University has opened or is maintaining a fraudulent account for a person engaged in identity theft.
2. Notice to the University from any organization that an account may be fraudulent.

V. Detecting Red Flags

A. New Covered Accounts

In order to detect any of the red flags associated with the establishment of a new covered account, University personnel shall take the following steps to obtain and verify the identity of the person opening the account:

1. Require certain identifying information such as name, date of birth, academic records, home address, or other identification or combination thereof. The identifying information may vary by department contingent upon the nature of the services provided and the data maintained in departmental records.
2. Verify the person's identity at the time of issuance of an identification card (review of driver's license, passport, or other government-issued photo identification).
3. Examine documents presented for identification purposes for evidence of falsification or tampering.
4. Validate that the person has met all other University or departmental requirements associated with the opening of a new account.

B. Existing Accounts

In order to detect any of the red flags identified above for an existing account, University personnel shall take the following steps to monitor transactions on an account:

1. Verify the person's identity at the time of re-issuance of an identification card (review of driver's license, passport, or other government-issued photo identification etc.).
2. Verify the identification of a person who is requesting information in person or by telephone, facsimile, email, or other media.
3. Verify the validity of requests to change PII by mail, email, or other media and provide the person

a reasonable means of promptly reporting incorrect data changes.

4. Notify the individual by e-mail, U. S. mail, telephone, any other means agreed upon by the individual, or by any combination of these methods when PII changes occur and provide the person a reasonable means to promptly report incorrect data changes.
5. Review periodically the list of data fields included in Section III of this policy under the definition of PII and update the list when new data fields are identified that may become relevant to the prevention, detection, and mitigation of identity theft.

C. Consumer (“Credit”) Report Requests

In order to detect any of the red flags identified above when a credit or background report is sought, University personnel will take the following steps to assist in identifying address discrepancies:

1. At the time a request for a credit report is made to the consumer reporting agency, require written verification from the person that the address provided by the person is accurate.
2. In the event that notice of an address discrepancy is received, verify that the credit report pertains to the person for whom the requested report was made.
3. Report to the consumer reporting agency an address for the person that the University has reasonably confirmed is accurate.

VI. Preventing and Mitigating Identity Theft

In the event University personnel detect any identified red flags, such personnel shall notify their supervisor or the individual designated as the department’s Identity Theft Prevention Officer. Depending on the department’s assessment of the degree of risk posed by the red flag, one or more of the following steps should be taken.

A. Prevent and Mitigate

1. Delay opening an account until a reasonable belief has been formed that the person for whom a business relationship is being established has been properly identified;
2. Continue to monitor a covered account for evidence of identity theft;
3. Contact the person for whom a red flag was detected;
4. Place the account on hold to prevent unauthorized access or use;
5. Change any passwords or other security devices that permit access to covered accounts;
6. Provide the person with a new identification number or account number;
7. Notify the Program Administrator for determination of the appropriate step(s) to take;
8. Notify UAB Police Department, Criminal Investigation Division;
9. Make corrections to the account to remove unauthorized activity, but maintain documentation to support an investigation;
10. File or assist in filing a Suspicious Activities Report (“SAR”); or
11. Determine that no response is warranted under the particular circumstances.

B. Protect Covered Account Personal Identifying Information (PII)

In order to further prevent the likelihood of identity theft occurring with respect to covered account PII, the department’s Identity Theft Prevention Officer shall take the following steps with respect to its

internal operating procedures. These steps may require coordination with UAB Information Technology, Health System Information Services, or any other division responsible for the department's technical support.

1. Secure all websites containing the ability to access covered account PII;
 2. Ensure that office computers with access to covered account PII are password protected;
 3. Avoid use of Social Security Numbers when possible;
 4. Ensure computer virus protection is up to date;
 5. Require and keep only the kinds of information that are necessary for University purposes;
 6. Properly store and secure all paper documents, files, CDs, floppy disks, zip drives, flash drives, tapes, and backups containing covered account PII in locked cabinets that are not accessible by any unauthorized individual;
 7. Store file cabinets containing covered account PII in a locked room that is not accessible by any unauthorized individual;
 8. Designate an employee within the department who will be responsible for controlling keys to the file cabinet and room, authorizing copies of the keys, and ensuring distribution of those keys only to employees with legitimate authorized need;
-
9. Ensure that sensitive papers are not left on employees' desks when they are away from their workstations and that employees work with data in such a way as not to cause an unauthorized disclosure of information;
 10. Include tracking and delivery confirmation when the University is legally required to provide PII to a third-party; and
 11. Ensure complete and secure destruction of paper documents, computer files, and other data storage mechanisms containing covered account PII when a decision has been made to no longer maintain such information.

VII. Program Administration

A. Oversight

The President of the University, or her or his designee, shall appoint a Program Administrator responsible for the identity theft prevention program. The Program Administrator shall work with the identity theft prevention officers designated by the departments to develop, implement, and monitor the effectiveness of this program and policy. Also, the Program Administrator shall communicate policy changes and updates to the Program.

B. Staff Training and Compliance Reports

1. The individual designated as the identity theft prevention officer for a department shall coordinate with the Program Administrator to provide staff training that is necessary to detect, prevent, and mitigate identity theft.
2. Periodically, as requested by the Program Administrator, the department's identity theft prevention officer shall submit a report to the Program Administrator on compliance with this Program. The annual report should include all known identity theft incidents that have occurred during the year. Also, the annual report should address the effectiveness of this policy and related procedures against the risk of identity theft. Any recommendations for changes to the Program

should be included as well.

C. Service Provider Arrangements

In the event the University engages a service provider to perform an activity in connection with one or more covered accounts, the University, through its contract review process, shall take the following steps to ensure the service provider performs its activity in accordance with reasonable policies and procedures designed to detect, prevent, and mitigate the risk of identity theft.

1. Require in any contract that service providers have identity theft policies and procedures in place; and
2. Require in any contract that service providers report any red flags or identity theft incidents associated with University accounts/records to the University employee with primary oversight of the service provider relationship.

D. Non-disclosure of Specific Practices

For the effectiveness of the University's Identity Theft Prevention Program, knowledge about specific red flag identification, detection, mitigation, and prevention practices should be limited

to the Program Administrator, Identity Theft Prevention Officers, and departmental employees who are responsible for the implementation of this policy. Any documents that may be reviewed or produced in order to develop or implement this Program that list or describe such specific practices and the information those documents contain are considered confidential and should not be shared with other employees or the public. Also, all documents reviewed or produced as a result of identity theft, or in the investigation of potential identity theft, are considered confidential.

E. Program Updates

Changes in Federal regulations may require immediate changes to this policy. Also, the Program Administrator shall periodically review and update this policy and program to reflect changes in risks to customers and the University from identity theft. In doing so, the Program Administrator will consider the University's experiences with identity theft incidents, changes in identity theft methods related to the prevention, detection and mitigation of identity theft, and changes in the University's business arrangements with other entities. After considering these factors and others as deemed necessary, the Program Administrator will be responsible for recommending policy changes to the appropriate University administrators.

VIII. Implementation of Policy

The Vice President for Financial Affairs and Administration through the Associate Vice President for Financial Affairs is responsible for procedures to implement this policy.

The University of Alabama at Birmingham

School of Health Professions

HEALTH PHYSICS PROGRAM

APPENDIX D:

Identity Theft Prevention Policy

UAB List of Covered Accounts

As of March 1, 2011

The definition of a “covered account” is promulgated by the following regulatory agencies: Federal Trade Commission (FTC) 16 CFR 681.2; Department of the Treasury Office of the Comptroller of the Currency (OCC) 12 CFR 41.9; Federal Reserve System (FRS) 12 CFR 222.9; Federal Deposit Insurance Corporation (FDIC) 12 CFR 334.9; Department of the Treasury Office of Thrift Supervision (OTS) 12 CFR 571.9; National Credit Union Administration (NCUA) 12 CFR 717.9.

A “covered account” means: (i) an account that a financial institution or creditor offers or maintains, primarily for personal, family, or household purposes, that involves or is designed to permit multiple payments or transactions, such as a credit card account, mortgage loan, automobile loan, margin account, cell phone account, utility account, checking account, or savings account; and (ii) any other account that the financial institution or creditor offers or maintains for which there is a reasonable foreseeable risk to customers or the safety and soundness of the financial institution or creditor from identity theft, including financial, operational, compliance, reputation or litigation risks.

The University will evaluate its accounts and customer relationships to update this list periodically as required by the regulations.

Covered Accounts Identified as of March 1, 2011:

1. **Banner Student Records** - Undergraduate Admissions, Graduate Admissions, Registrar’s Office, Financial Aid, Housing Office, Student Accounting, and all other departments with access to student records in Banner
2. **Student Loan Accounts** - Office of Student Accounting Services
3. **Campus Card** – UAB Campus Card Office
4. **Blazer Bucks Accounts** (BlackBoard) - UAB Campus Card Office
5. **Advancement Accounts** (Banner: Alumni and other Contributors) - Office of Development, Alumni, and External Relations

6. **Retiree Payment Accounts** - Benefits Office - Human Resources Management
7. **Leave Without Pay Benefits Accounts** - Benefits Office - Human Resources Management
8. **Patient Accounts** - Dental Clinics - School of Dentistry
9. **Patient Accounts** – Optometry Clinic – School of Optometry