



**Comprehensive  
Educational Programs in  
Diagnostic Medical Sonography  
Brochure**



Institute of Ultrasound Diagnostics

One Timber Way, Ste 102, Spanish Fort, AL 36527 | [www.iudmed.com](http://www.iudmed.com) | (800) 473-2485

# **A LETTER FROM THE DIRECTORS**

**Sonography is a highly technical field requiring the expertise of individuals dedicated to maintaining high professional standards. Many physicians rely heavily on their sonographer's ability to collect and sort clinical data. The art of scanning requires cultivation and time to be perfect. The Institute of Ultrasound Diagnostics understands how important education for the sonographer, and that time is not always available for many. Hospitals and clinics requiring a sonographer's services cannot allow staff to be away for long periods of time. For this reason, IUD offers real alternatives to meet the needs of departments staffing problems by offering several courses. One is designed just for you. Let the Institute of Ultrasound start you off on the right foot to a rewarding career in sonography. Sonography is not learned in a few months but instead is a career of learning. The ever changing technology is only part of the challenge and excitement that the field offers. Whether your needs include cross-training or long term education, let the Institute of Ultrasound Diagnostics be your choice for intensive, individualized quality education.**

**G. Michael Maresca, MD**

**Kathy Gill, MS, RT(R), RDMS**

**Melissa Frego RDMS**

## **WHY IUD?**

**The staff and associates of the Institute of Ultrasound Diagnostics take a personal Interest in each student. Our "one on one" instructor led scanning sessions allow us to individualize training and concentrate on specific problems when they arise. An even balance of didactics and clinical practice teaches students to systematically evaluate patients by correlating clinical history and data with sonographic findings. Special sessions help assist in developing interpretive skills.**



**So, why should you choose IUD for your educational needs? Because, regardless of the length of curriculum you choose, we can give you the most value for the amount of time you have to spend.**





**"One on one" hands-on scanning labs**



**Comprehensive didactic sessions**

## **TEACHING METHODS**

- **DIDACTIC LECTURES**
- **AUDIO VISUAL SESSIONS**
- **INTERPERATIVE SESSIONS**
- **MULTIPLE "ONE ON ONE" SCANNING SESSIONS**
- **CLINICAL EXPERIENCE WITH REAL TIME SCANNING AT NUMEROUS ROTATION SITES**
- **COMPUTER LABS WITH INTERACTIVE PROGRAMS**

**The Institute of Ultrasound Diagnostics, INC is CAAHEP Accredited (One Year Program only) , Licensed by the Alabama Department of Postsecondary Education, approved by the Society of Diagnostic medical Sonographers for Category A CMA credits, and is approved by the Veteran's administration for 38 USC 1776 under Chapter 36, Title 33, US Code.**

**Short term courses (One week, Three Weeks, and Three Months) are intended to serve as continuing medical education and provide an introduction to diagnostic medical sonography. One should not expect proficiency upon completion and continued clinical supervision will be required for an additional 3-6 months.**

# **DIRECTORS**

## **PROGRAM DIRECTOR: KATHY GILL**



Since 1977, Kathy Gill has been extensively involved in sonography on a local, regional, and national level. Her experience includes holding several supervisory positions, commercial applications, development of private ultrasound laboratories, owner and operator of a mobile service, as well as, Program Director of three sonography training programs. She participates in key professional organizations such as the Society of Diagnostic Medical Sonographers and the American Institute of Ultrasound in Medicine by responding to requests to speak, write, and serve on various committees. To her credit, Kathy has two Ultrasound textbooks titled **Abdominal Ultrasound: a Practitioner's Guide** and **OB/GYN Sonography Review** and has three more texts as works in progress. As she draws from several areas of expertise, Kathy's teaching style focuses on the practical approach while still maintaining the ideals of profession. She received her Bachelors of Science and Masters of Science degrees from the University of St. Francis in Joliet, IL and she is ARDMS registered in Abdomen, OB/GYN and Breast specialties. As an active sonographer practitioner, she can relate to sonographers on a working, as well as, a theoretical level.

## **MEDICAL DIRECTOR: G. MICHAEL MARESCA, MD**



Dr. Maresca is a board certified radiologist practicing in several states. His practice covers over 20 service points. He received his M.D. in 1987 from the University of Maryland. He completed his radiology residency at SUNY Medical Center in Syracuse, New York. Upon completion of his residency, he established a network to service smaller hospitals in New York and surrounding states. He used the technological advances to link the practices and was able to bring high quality and sophisticated studies to previously ignored areas. This network has grown and the growth has enabled the group to offer radiological services to a large population. The group continues to incorporate new modalities and new sites.

Dr. Maresca is the founder and president of St. Lawrence Radiology, Chief of Staff at Canton-Potsdam Hospital, President of the New York State Medical Society-St. Lawrence County Chapter.

## **CLINICAL DIRECTOR: MELISSA FREGO**



Melissa Frego started her career in sonography in 2004. Since then, she has become registered in Abdomen, OB/GYN, and Breast by ARDMS. Her clinical experience includes a supervisory position in a busy sonography department at a local hospital, mentoring up and coming sonographers, providing a clinical rotation site, and serving as a clinical instructor for a university based sonography program. Before becoming the Clinical Director for IUD, Melissa served as the school's clinic supervisor and instructor. Her experiences provided "no non-sense" pearls of wisdom while her dedication and passion for teaching give students the nurturing and confidence building they need.

## **Accreditations and licenses**

**The Institute of Ultrasound is proud to carry the following Accreditations and licenses:**

- **The Institute of Ultrasound Diagnostics, One Year General Sonography Program (Resident and Distance) is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). 1361 Park Street Clearwater, FL 33756. Telephone: 727-210-2350. <http://www.caahep.org>.**
- **The Institute of Ultrasound Diagnostics is Licensed by the Alabama Department of Postsecondary Education for Private Schools. 135 S. Union St., Montgomery, AL 36104. Telephone: 334-293-4500. <http://www.accs.cc>**
- **The Society of Diagnostic Medical Sonographers (SDMS) approves our courses in Physics and Instrumentation, Abdomen, OB/GYN and Vascular applications (One Week) for continuing medical education. 2745 N. Dallas Pkwy., Ste. 350, Plano, TX 75093. 214-473-8057. <http://www.sdms.org>**



## **CAAHEP ACCREDITED ONE YEAR PROGRAM IN GENERAL SONOGRAPHY**

**The One Year General Sonography program at the Institute of Ultrasound Diagnostics is unlike most sonography programs offered in a college of university setting. Our program is one of the few sonography programs that offers a distance education option. It is an accelerated, fulltime, day program which requires self-motivation and good time management skills. For those requiring additional time considerations in order to process information or desire a slower paced environment, this program may not be for you. Our program covers, in 12 months, what most schools cover in 18-24 months. We can do this because you must complete prerequisite classes prior to admission. Once you begin the sonography program, you can expect fast paced information delivery and clinical instruction.**

**Our One Year Program provides an extensive education in abdominal and OB/GYN sonography. Graduates will be well versed in current techniques and at ease with several commercially available ultrasound systems. Several of our clinical affiliates perform neonatal neurosonology, vascular and echocardiography examinations. One year students have the opportunity of rotating through these areas for an introduction to the techniques practiced in each specialty. Other specialties emphasized in the One Year Program include transvaginal sonography, transrectal scanning of the prostate and high risk obstetrics. Clinical rotations in hospital departments of varying sizes, outpatient clinics and mobile units prepare the student to function in a variety of work situations. CME certificates and a One Year certificate will be awarded upon completion. This program can be attended as a RESIDENT or a DISTANCE student.**

**After successful completion of the One Year Program, students are eligible to take the National Certification exams through the American Registry for Diagnostic Medical Sonography (ARDMS) and the American Registry of Radiologic Technologists (ARRT). Students are eligible to take Sonography & Physics Instrumentation (SPI), Abdomen, Breast and OB/GYN registry exams.**

**For a more detailed Description of the One Year Program Please see our Student Handbook on our website at:**

**Www.iudmed.com. Click on "Programs and Courses". Click on "One Year Program" and then click IUD Handbook on the right side of the page.**



# **ACADEMIC REQUIREMENTS FOR 1 YEAR PROGRAM**

**Classes begin – January, April (distance only), July, October (distance only)**

**All applicants for the One Year Program must have the following pre-requisite Classes:**

- **Anatomy & Physiology I**
- **Anatomy & Physiology II**
- **1 Communications Class**
- **Introduction to Patient Care \*\*\***
- **Medical Terminology**
- **College Algebra or higher math**
- **Medical Ethics/Law**
- **Physics (Intro)**

**\*\*\* Those applicants who have no allied health background/experience are recommended to take a Certified Nursing Assistant Certificate course. The applicant must complete the course, take and pass the C.N.A. exam for their state and submit a copy of the certificate for their file. A C.N.A. course may replace the requirement for Introduction to Patient Care.**

**Understanding of Anatomy and Physiology and Medical Terminology are paramount in being able to complete our program successfully. If you made less than a B in any of those classes it is recommended that you consider taking them again if you did not acquire a thorough understanding of those courses.**

**All applicants must have all of the above classes as well as a 2.5 GPA. IUD considers two GPAs, one for the Eight pre-requisite classes and one for all classes taken at the college level. Both GPAs must be at least a 2.5. Please note that simply having a 2.5 GPA does not guarantee acceptance into the the 1 year program.**

**If you would like to know where you stand with regard to our admission and academic requirements you may complete an application and send with it unofficial copies of your transcripts. We will be happy to review them and let you know if you need additional classes.**

**IUD also offers most of the pre-requisite classes we require. For more info see page or email**

**Micah Gill at [mgill@iudmed.com](mailto:mgill@iudmed.com)**

# **CAAHEP ACCREDITED ONE YEAR GENERAL ULTRASOUND PROGRAM**

## **Blended One Year General Sonography Program**

**Over the last decade, in order to keep tuition expenses low, the One Year General Sonography Program has evolved into a blended distance program. For all students the didactic portion of the program is offered the same way. All students begin with our mandatory 3 week “sonography bootcamp” on campus in Spanish Fort, Alabama. Class are 8:30am to 5:00pm CST Monday thru Friday. For the first 3 weeks there are rigorous lectures, scan labs, and testing throughout the week. Only normal anatomy and associated variants will be presented at this time. During this time we provide a good introduction from which to build. Instructor-led scan labs will orient the student to basic scan techniques and allow them to recognize normal anatomy.**

**After the initial 3 week session, students are offered an additional 1-2 weeks of scan labs. It is highly recommend that all students participate in these labs before starting clinical rotations although they are not required.**

**Once the initial three week session concludes, didactic class days will be on Mondays and Fridays. Didactic classes will present pertinent clinical information and show pathologies that can be identified with sonography. Class days will include lectures (live and recorded), quizzes, modules, and proctored tests. These items are delivered via our online course management system. Clinical rotations will be Tuesday – Thursday. Any changes to the class or clinical schedule must be approved by the Directors.**

**All students will be required to return for the last week of the program for our final evaluations. We offer a one week vascular course two (2) times per year of which all one year students have the option to attend but are not required.**

- 1) NOTE for VA Students - Students funded by the Veteran’s Administration must return for an additional 3 week residency session.** Students must also set up a place to take proctored exams and tests. (usually at clinical site)

For more information about the distance option please give us a call or email Micah Gill at [mgill@iudmed.com](mailto:mgill@iudmed.com).



# **DISTANCE OPTION FOR ONE YEAR PROGRAM**

## **Resident vs. Distance Students**

Though the One Year General Sonography Program is a blended program, due to the clinical requirements for the program, we still differentiate between Resident and Distance students for clinical purposes.

**RESIDENT STUDENTS** - The main difference between a "Resident" and "Distance" student is where the student perform their clinical requirements. For this reason we define "Resident" students as those students that reside within the IUD clinical residential area. This area extends from Foley, AL to Atmore, AL over to Lucedale, MS and all along the Mississippi Gulf Coast. If a student resides within that geographical area they will be required to rotate through preapproved sites for the duration of the program.

Clinical rotations are typically scheduled for 8 weeks at a time, Wednesday – Thursday each week.

**NOTE:** Due to the geographic area of our "Resident" sites, Resident students may be required to drive up to 90 miles

**DISTANCE STUDENTS** – For Distance students, clinical sites must be approved by the school before the student is accepted into the program. Clinical sites must have an adequate volume and mix of studies and employ staff registered in appropriate disciplines. Students are required to make initial contact with a Hospital or clinic in their area to gauge interest by the clinical site to allow the student to rotate. For more information about how to approach a clinical site contact Micah Gill at [mgill@iudmed.com](mailto:mgill@iudmed.com). Clinical sites should provide student access to high speed internet as all tests must be proctored and taken at the sites through a secure browser. Students are also required to clock in and out on a clinical site computer. If a clinical site cannot provide the technology for the proctored exams, students must locate a local community college or library that will serve as a proctored site. The site must be approved by IUD.

The One Year General Sonography Program requires good time management skills and strong self-discipline. Our distance and resident students are monitored closely and receive the same education. References from past and present students will be provided upon request. If you are interested in the distance option, please contact the school to start the approval process.

# **HEALTH & TECHNICAL STANDARDS:**

Accepted applicants must be able to meet the physical and technical requirements necessary for the courses of study. A medical examination and current immunization records are required prior to admission into the program. Physical and technical requirements include the ability to:

Transport, move lift and transfer patients from a wheelchair or stretcher to an imaging table or bed.

Move, adjust, and manipulate a variety of equipment, including the physical transportation of mobile machines.

Handle stressful situations relating to technical and procedural standards and patient care situations.

Provide physical and emotional support to patients during procedures, being able to respond to situations requiring first aid and provide emergency care to the patient in the absence of or until a physician arrives.

Communicate verbally in an effective manner in order to direct patients during examinations and read and interpret patient charts and requisitions for imaging examinations.

Students must possess the mental and intellectual capacity to calculate and select proper exposure factors according to the individual need of the patient and the requirements of the procedural standards.

Students must possess the emotional stability required for full utilization of those abilities in order to exercise sound judgment in their activities as health care professionals.

A medical examination and current immunization records will be required prior to admission.

## **Immunizations required include:**

**Varicella**- (Varicella IgG/VZV) (either shots or titer must be drawn to verify immunity)

**Measles/Mumps/Rubella**- (MMR) (either shots or titer must be drawn to verify immunity)

**Diphtheria/Tetanus (ADT/DTaP/Td)** - within 5 years of starting the program

**TB skin test (PPD/TST)**- (within six (6) months of starting the program. (If positive, chest x-ray required within 2 yrs)

**Flu Shot**

## **Highly recommended but not required:**

**Hepatitis B-** (Hep B/HBV) (highly recommended. If refused a declination letter must be signed)

**Meningococcal-** (recommended, but not required)

# 2017 IUD Course Calendar

All class begin on the start date promptly at 8:30 am CST

## JANUARY

	<u>State Date</u>	<u>End Date</u>
1 Year Program	1/2/2017	12/19/2017
3 Month course	1/2/2017	3/24/2017
3 Week Course	1/2/2017	1/20/2017
1 Week Classes		
Abdomen	1/2/2017	1/6/2017
Physics	1/9/2017	1/13/2017
OB/GYN	1/16/2017	1/20/2017
Pre-requisite Classes	1/2/2017	3/24/2017

## APRIL

	<u>State Date</u>	<u>End Date</u>
1 Year Program	4/3/2017	3/23/2018
3 Month course	4/3/2017	6/23/2017
3 Week Course	4/3/2017	4/21/2017
1 Week Classes		
Abdomen	4/3/2017	4/7/2017
Physics	4/10/2017	4/14/2017
OB/GYN	4/17/2017	4/21/2017
Vascular	4/24/2017	4/28/2017
Pre-requisite Classes	4/3/2017	6/23/2017

## JULY

	<u>State Date</u>	<u>End Date</u>
1 Year Program	7/10/2017	6/22/2018
3 Month course	7/10/2017	9/22/2017
3 Week Course	7/10/2017	7/28/2017
1 Week Classes		
Abdomen	7/10/2017	7/17/2017
Physics	7/17/2017	7/21/2017
OB/GYN	7/24/2017	7/28/2017
Pre-requisite Classes	7/10/2017	9/22/2017

## OCTOBER

	<u>State Date</u>	<u>End Date</u>
1 Year Program	10/2/2017	9/28/2018
3 Month course	10/2/2017	12/22/2017
3 Week Course	10/2/2017	10/20/2017
1 Week Classes		
Abdomen	10/2/2017	10/6/2017
Physics	10/9/2017	10/13/2017
OB/GYN	10/16/2017	10/20/2017
Vascular	10/23/2017	10/27/2017
Pre-requisite Classes	10/2/2017	12/22/2017

# 2018 IUD Course Calendar

All class begin on the start date promptly at 8:30 am CST

## JANUARY

	<u>State Date</u>	<u>End Date</u>
1 Year Program	1/8/2018	12/21/2018
3 Month course	1/8/2018	3/30/2018
3 Week Course	1/8/2018	1/26/2018
1 Week Classes		
Abdomen	1/8/2018	1/12/2018
Physics	1/15/2018	1/19/2018
OB/GYN	1/22/2018	1/26/2018
Pre-requisite Classes	1/8/2018	3/30/2018

## APRIL

	<u>State Date</u>	<u>End Date</u>
1 Year Program	4/2/2018	3/22/2019
3 Month course	4/2/2018	6/22/2018
3 Week Course	4/2/2018	4/20/2018
1 Week Classes		
Abdomen	4/2/2018	4/6/2018
Physics	4/9/2018	4/13/2018
OB/GYN	4/16/2018	4/20/2018
Vascular	4/23/2018	4/27/2018
Pre-requisite Classes	4/2/2018	6/22/2018

## JULY

	<u>State Date</u>	<u>End Date</u>
1 Year Program	7/9/2018	6/21/2019
3 Month course	7/9/2018	9/28/2018
3 Week Course	7/9/2018	7/27/2018
1 Week Classes		
Abdomen	7/9/2018	7/13/2018
Physics	7/16/2018	7/21/2018
OB/GYN	7/23/2018	7/27/2018
Pre-requisite Classes	7/9/2018	9/28/2018

## OCTOBER

	<u>State Date</u>	<u>End Date</u>
1 Year Program	10/1/2018	9/27/2019
3 Month course	10/1/2018	12/21/2018
3 Week Course	10/1/2018	10/19/2018
1 Week Classes		
Abdomen	10/1/2018	10/6/2018
Physics	10/8/2018	10/12/2018
OB/GYN	10/15/2018	10/19/2018
Vascular	10/22/2018	10/26/2018
Pre-requisite Classes	10/1/2018	12/21/2018



## **Tuition & Expenses:**

Tuition and fees are listed here for courses and programs offered. There are no carrying charges, interest charges, service charges, out of state, or application fees connected or charged at this time.

Tuition and fees may be subject to change at any time.

### **2017 - 2018 Fee schedule — One Year Program**

#### **One Year General Sonography Program (Resident and Distance)**

##### **Tuition and Fees paid to IUD**

One Year Program Tuition	\$ 11,000.00
Books/Materials	\$ 1,000.00
Technology Fee	\$ 850.00
Lab Fee	\$ 350.00
Graduation Fee	\$ 50.00

<b>Total Paid to IUD (Payment Plan)</b>	<b>\$ 13,250.00</b>
---	---------------------

##### **Addition Fees for One Year Program (Paid to Providers)**

Background Check/ Drug Screen	\$ 117.00
Clinical Fee—Trajecsys	\$ 100.00
SDMS Membership	\$ 40.00
Liability Insurance	\$ 36.50
Registry Prep. Package	\$ 216.00

<b>Total Cost for One Year Program</b>	<b>\$ 13,759.50</b>
--	---------------------

**\*\*The Institute of Ultrasound Diagnostics is a private institution and requires tuition payment for all classes, in full, before the first day of class. All applications and fees must be sent one month prior to the first day of class. Special arrangements must be made directly through the corporate office at the Institute of Ultrasound Diagnostics, One Timber Way Suite 102 Spanish Fort, AL 36527. If cancellation is received two weeks prior to the beginning of class, a full refund will be given. Cancellation after this time will result in the loss of the materials fee unless the attendee transfers to the next available class.**

We reserve the right to cancel courses due to insufficient registrations. If the Institute cancels a course, attendees will be given the choice of transferring to a future program or a full tuition refund. Prices, schedules and CME credits subject to change without notice.

**2017 - 2018 Fee schedule — Short Term Courses**  
**One Week Courses**

**One week sessions with scanning and materials**

Abdomen	\$2,000.00
Physics	\$2,000.00
OB/GYN	\$2,000.00
Vascular (Intro)	\$2,000.00

**3 Week Tuition & Fees**

Three week cross – training	\$4,000.00
Books/Materials	<u>\$500.00</u>
Total Cost	\$4,500.00

**3 Month Tuition & Fees**

**Tuition and Fees Paid to IUD**

Three month	\$6,450.00
Books/Materials	\$550.00
Technology Fee	<u>\$500.00</u>
Total Cost	\$7,500.00

**Prerequisite Tuition & Fees**

Anatomy & Physiology (books included)	\$600.00
Physics Fundamentals (books included)	\$500.00
Medical Terminology (books included)	\$500.00
Medical Law & Ethics (books included)	\$500.00
Introduction to Patient Care	\$400.00

**OTHER Contract Services Available Upon Request**

# **ON-LINE PREREQUISITE COURSES (FOR ONE YEAR PROGRAM)**

## **IMPORTANT INFORMATION AND COURSE DESCRIPTIONS**

PLEASE READ THE FOLLOWING INFORMATION CAREFULLY REGARDING THE PRE-REQUISITE CLASSES OFFERED BY THE INSTITUTE OF ULTRASOUND DIAGNOSTICS (IUD).

- Pre-requisite classes required by IUD may be taken at any accredited college or university.
- If the course is not offered by your current school, it may be taken with IUD, **ONLY** after completion of College Level Algebra (or a high math class) and One Communications Course examples of which are Public Speaking, Speech, English Composition, etc. and with a GPA of 2.5 or higher.
- IUD will only accept a "C" letter grade or higher for transferring credits.
- IUD pre-requisite courses are **ONLINE ONLY**. They run for 12 weeks. They will meet the requirements for our One year program, but **might** not be accepted by other institutions.
- If you are unsure if a course at another school will meet our requirements, you may send a full course description to Micah Gill for preapproval. ([mgill@iudmed.com](mailto:mgill@iudmed.com)).

**Medical Ethics - Course Description:** This course discusses current issues and concepts to help prepare students for many common ethical issues related to health care professions. Students will develop essential vocabulary to understand and evaluate legal, political, and ethical challenges facing health care professionals.

**Course Objectives:** Upon completion of this course, the student will be able to:

1. Describe the main ethical principles relevant to healthcare
2. Demonstrate through understanding of ethics through evaluation of the Code of Ethics for the Profession of Diagnostic Medical Sonography
3. Apply the principles of ethics to practical cases to work towards a resolution of dilemmas encountered in the medical profession

**Introduction to Patient Care - Course Description:** This course is designed to provide the student with an overview of health care agencies and treatment centers and the skills required to assist patients in the medical environment.

**Course Objectives:** Upon completion of this course, the student will be able to:

1. Discuss the various healthcare agencies and the services they provide.
2. Demonstrate how to properly wash and glove hands for the purpose of assisting with a sterile procedure.
3. Explain the components of good body mechanics with special attention to assisting & transporting patients.
4. Discuss the health care provider's role in infection control and patient safety.
5. Describe one's role in emergency situations.
6. Explain how to assist patients with IV's, oxygen and catheter bags. Discuss various methods of patient assessment and how findings correlate with pathologic states.

# **Prerequisite Classes Continued**

**Medical Terminology**- **Course Description:** Medical Terminology is a study of the basic structure of medical words, including prefixes, suffixes, word roots, combining forms, singulars and plurals. The student will be able to recognize, spell, pronounce and define medical words by combining prefixes, suffixes, and roots.

**Course Objectives:** Upon completion of this course, the student will be able to:

1. Identify normal and abnormal functions and structures of the human body
2. Understand what medical terms mean in specific contexts
3. Define medical terms
4. Spell and pronounce medical terms
5. Assimilate a working knowledge of the elements and definition of medical terms
6. Read and use the language of health care
7. Correctly apply and use medical terminology

**Physics Fundamentals**- **Course Description:** A study of the basic concepts of physics using only elementary principals. Topics include the concepts behind mechanics, heat, electricity, magnetism, sound, light, atomic and nuclear physics.

**Course Objectives:** Upon completion of this course, the student will be able to:

1. Understand basic Physics that will better prepare them for more rigorous Ultrasound Physics once accepted into the program.
2. Define exactly what is Physics is and how it is applied in life
3. Recognize why it is detrimental to study Physics
4. Develop critical thinking and problem solving skills
5. Nurture symbolic thought using basic algebra
6. Think in terms of direct and inverse proportions.

**Anatomy & Physiology for Sonography I & II (Combined)**- **Course Description:** This course provides a detailed study of the structure and function of the body with special concentration on organs important to the ultrasound field.

**Course Objectives:** Upon completion of this course, the student will be able to:

1. The student will be able to explain how life is maintained by integrating the body's structural design with its function.
2. The student will be able to apply the information provided by this course to analyze and explain new situations involving the human body.
3. The student will be able to identify all assigned body parts and explain their physiological mechanisms.
4. Students will be able to apply the knowledge learned to develop needed skills to be a productive sonographer of the future.



# **Short term Cross training/CME**

## **THREE WEEK CROSS-TRAINING COURSE**

The three week curriculum was designed for the individual with an allied health background such as nursing or radiological technology. It is a popular course for those “cross-training” in diagnostic ultrasound. The three week student will receive didactics in Physics/Instrumentation, Abdominal, and OB/GYN sonography. “Hands on” scanning sessions and didactics will be limited to normal anatomy and multiple scan labs will be available each week. Labs for OB scanning will be available upon request at an additional fee. All scan labs are “one on one” with direct instructor supervision. This course serves as a basic introduction to diagnostic ultrasound and it is recommended that three week graduates receive direct clinical supervision for an additional 3-6 months.

(Classes begin quarterly – January, April, July, and October)

**Requisites:**

1. Document completion of a formal 2-year allied health education such as radiological technology or nursing.  
  
and/or
2. Document previous experience in diagnostic ultrasound.  
  
And
3. Verification of employment by sponsoring institution.



## **THREE MONTH COURSE**

As an extension of the three week course, the three month curriculum includes additional didactics which include Superficial Organs (Thyroid, Breast, Testicle, and Prostate) and transvaginal sonography. During the second and third months, an emphasis is placed on recognition of abnormal processes and collection of pertinent clinical data. Special slide modules and video tape sessions reinforce the student’s knowledge and interpretative ability. Through clinical rotations, the student works with experienced sonographers and sonologists as he/she begins to evaluate “real life” patients. Due to the variety of rotations available, the student becomes familiar with several types of diagnostic ultrasound units while learning various techniques of departmental operations.

(Classes begin quarterly – January, April, July and October)

**Requisites:** Individuals entering this course must verify a minimum of two years of formal training in an allied health field. Acceptable disciplines include, radiological technology, nursing, respiratory therapy, etc. Student must also have the mandatory requisites.

# **ONE WEEK COURSES**

Our one week sessions are designed to provide continuing education. These classes are ideal for sonographers who lack formal training or healthcare providers requiring continuing medical education credits. The focus will be on normal anatomy for the beginner. Individuals attending for Registry preparation will be offered an opportunity to watch more advanced lectures which have been archived and offered mock exams covering all aspects of the specialty. One week sessions are offered in Physics/Instrumentation, Vascular, Abdominal, and OB/GYN sonography. Depending upon your specific needs, you may choose didactics, only, or include "hands on" scanning with your chosen specialty. (Classes begin quarterly – Jan., April, July and Oct.) **Requisites:** Previous medical background required.

**Physics/Instrumentation Week:** During this week we provide a great foundation and operational knowledge of ultrasound. We present and emphasize the importance of understanding the physical principals and instrumentation of sonography and relate it to issues in the clinical setting of today.

Topics covered include but are not limited to:

1. Basic ultrasound wave concepts and characteristics
2. Acoustic properties of tissue and attenuation of sound in the body
3. Pulsed wave operation and parameters of basic ultrasound systems
4. A working knowledge of transducers and the characteristics of the ultrasound beam
5. The fundamentals of an ultrasound system, display and storage

We also provide you with an introduction to abdominal vasculature, landmarks, and techniques in abdominal scanning that is applied during instructor led scan labs.

**Abdomen Week:** Abdomen week directly emphasizes normal sonographic appearances, clinical correlations, and a working knowledge of the structures of the abdomen.

Abdominal structures covered include:

1. Vessels and landmarks
2. Liver
3. Gallbladder and biliary system
4. Renal
5. Pancreas
6. Spleen

During this week we go into more in depth abdominal scanning during our one on one scan labs. Each scanning session is tailored to the need of each individual student to meet their specific requirements. Students are able to better understand and apply what they have learned didactically.

**OB/GYN Week:** During the third week the normal female pelvis is covered.

Topics include but are not limited to:

1. Normal uterine and adnexal structures
2. Uterine and adnexal variants
3. Limited uterine and adnexal pathology
4. Normal 1<sup>st</sup> Trimester obstetrical examination and evaluation
5. Normal 2<sup>nd</sup> and 3<sup>rd</sup> trimester appearances, correlation, and biometric calculation
6. Transvaginal scanning technique and assessment of the female pelvis.

During this week each scan lab will be limited to transabdominal scanning techniques of female pelvis. 2<sup>nd</sup> and 3<sup>rd</sup> trimester one hour dedicated scanning sessions are available upon request at an additional fee.

# **One Week Vascular Course**

**The Institute of Ultrasound Diagnostics offers a short term course of study in vascular technology. This course is designed to assist those cross-training in the modality and offers didactic information necessary to prepare for the ARDMS exams. Attendees can choose “didactics only” option or include “hands-on” scanning sessions. The one week course provides an overview of vascular technology with an emphasis on normal**

**The Institute of Ultrasound Diagnostics is proud to present a five-day seminar on vascular applications presented by Mr. David Barry, RVT. Spectral and Color Doppler Physics will be discussed in detail as well as vascular anatomy and hemodynamics. Correlation’s between the Doppler modalities will be covered s that attendees can properly interpret the information on their scans. The optimization of the major Doppler controls of each modality will be discussed and many examples will be shown. The “Know-how” to optimize these functions will be given on the use of Doppler in each of the following studies:**

- **Carotid Arteries**
- **Peripheral Venous**
- **Peripheral Arterial**
- **Abdominal**

**These clinical presentations will include the anatomy and hemodynamics of the vessels under discussion, normal and abnormal studies and scan hints. All of the studies will be demonstrated and attendees will be provided ample time for practice during scanning sessions.**

**An in-depth review of all the material covered will be held each day. This time will include group discussions, questions & answers and a quiz. This will help insure the attendees of knowing what further study they may require. This general overview of vascular sonography is intended as an introduction, therefore, proficiency should not be expected at the conclusion of the week. We recommend this program for sonographers already proficient in another specialty of ultrasound.**

## **Financial Assistance**

### **( 1 year and 3 month only)**

**Our financial assistance is limited at this time. None of the FAFSA or Title IV aid is available to our students. However, we do have several options available for students who are accepted into our Three Month Course or One Year Program.**

**Work Investment Opportunity Act (WIOA) - WIA is a financial aid program for technical schools such as ours and applicants in Alabama, Mississippi, and Florida. If you qualify for WIA, they will pay up to \$7,500.00 for the One year program and up to \$3,500.00 for the Three month program. Our Contact as WIA is Ms. Mary Beth Driggers. Her phone number 251-943-2327.**

**Interest Free Payment Plan (1year Program Only)—We also have an in house interest free payment plan we can offer. The terms of the plan are as follows. Material fees is due upon acceptance into the program. A 20% down payment is due on or before the start of the class. The remaining balance is broken up into 4 payments. A payment is due every 3 months. IE if you started the program in January, a payment would be due in April, then in July, October and the final due in December before graduation. For more information regarding this payment option contact Micah Gill at 251-621-8668 ext 3 or mgill@iudmed.com**



# **HOUSING INFORMATION- SPANISH FORT, AL**

***HOMEWOOD SUITES DAPHNE, AL*** – LOCATED ONE EXIT OVER FROM IUD, HOMEWOOD SUITES PROVIDES OUR STUDENTS WITH A DISCOUNTED NIGHTLY RATE OF \$109/NIGHT. INCLUDED IN THAT RATE IS A FULL HOT BREAKFAST 7 MORNINGS PER WEEK AS WELL AS A FULL DINNER (1 MEAT AND 2/3 VEGGIES) MONDAY-THURSDAY. THERE IS ALSO A COMPLEMENTARY COCKTAIL HAPPY HOUR THOSE SAME EVENINGS. THE ROOMS ARE EQUIPPED WITH A FULL KITCHENETTE (INCLUDING POTS AND PANS), FREE WIFI, WORKSTATION, AND HDTV. THE HOTEL IS PET FRIENDLY AND ALSO INCLUDES AND POOL AND WORKOUT FACILITIES. AN ATTENDANT IS ONSITE 24 HOURS A DAY FOR YOUR SECURITY. CONTACT THEM AT 251-621-0100 FOR INFO AND RESERVATIONS.

***COURTYARD MARRIOTT DAPHNE, AL*** - (251) 370-1160 LOCATED AT THE DAPHNE I-10 EXIT BY THE BASS PRO SHOP, THIS NEW HOTEL OFFERS SUITES WITH SEPARATE LIVING AND SLEEPING AREAS, LUXURY BEDDING, MICROWAVE, REFRIGERATOR, FREE INTERNET AND FREE LOCAL CALLS. TAKE ADVANTAGE OF OUR HOTEL'S INDOOR POOL AND FITNESS CENTER. STAY CONNECTED AT OUR MOBILE HOTEL BUSINESS CENTER WITH FREE PRINTING AND FAX SERVICES. COURTYARD HOTEL MOBILE SPANISH FORT AWAITS YOUR VISIT WITH A FRIENDLY STAFF AND GREAT AMENITIES. CALL FOR MORE INFORMATION AND ASK FOR THE "INSTITUTE OF ULTRASOUND" RATE

***HAMPTON INN EASTERN SHORE DAPHNE, AL*** - 251-626-2220 UNWIND IN A SPACIOUS, INVITING GUEST ROOM AND FEEL RESTED AFTER A PEACEFUL NIGHT'S SLEEP IN A FRESH, COMFY BED. CHOOSE A ROOM WITH A PRIVATE BALCONY AND ADMIRE THE SPECTACULAR VIEW. START EACH DAY WITH A FREE HOT BREAKFAST OR GRAB ONE OF OUR FREE HAMPTON ON THE RUN® BREAKFAST BAGS, AVAILABLE MONDAY THROUGH FRIDAY, FOR A QUICK, HEALTHY MEAL TO GO. SAVOR FREE TEA AND COFFEE DAILY IN THE COMFORTABLE LOBBY LOUNGE LINED WITH A WALL OF WINDOWS AND A BALCONY OVERLOOKING MOBILE BAY. STAY CONNECTED WITH FREE WIRELESS HIGH-SPEED INTERNET THROUGHOUT HAMPTON INN MOBILE-EAST BAY/DAPHNE. PLUNGE INTO THE OUTDOOR POOL OR RE-ENERGIZE WITH A WORKOUT IN THE MODERN FITNESS CENTER. CALL FOR RESERVATIONS

***VALUE PLACE SPANISH FORT, AL***: 251-626-0220 Some amenities include: Furnished Studios, Kitchens, In-room high speed internet for a fee, Vending Machines, On-Site washers and dryers, housekeeping available. Weekly Rate for IUD Students available. Call for more information.

***HOLIDAY INN EXPRESS HOTEL & SUITES:***

(251) 621-1223 Some amenities include: Outdoor Pool, Free Local Calls, Free High Speed Internet, Complimentary breakfast with Hot Items, Fridge & Coffeemaker

***Transportation is the responsibility of the student.***

# HOUSING INFORMATION- MOBILE, AL

## MOBILE, AL

For apartment information please visit the following internet source

[www.apartments.com](http://www.apartments.com) or [www.apartmentfinder.com](http://www.apartmentfinder.com)

**MARRIOTT EXECUSTAY-** (251) 460-2655 Special Apartment Pricing for IUD students. Fully furnished and accessorized with full-sized washer & dryer, linens, as well as a fully equipped kitchen. All utilities are included as well as High-Speed Internet. Contact for application and rates.

**TOWNEPLACE SUITES BY MARRIOTT-** 800-257-3000 (Reserved rates available call 251-345-9588 ext 0) All suites with fully equipped kitchens. Amenities include free high speed Internet access, complimentary phone calls, outdoor pool, fitness center, and laundry facilities. Pets allowed with pet deposit. Studio suites include fully equipped kitchens with separate living and sleeping areas and work desk. Two-bedroom suites also, available at discounted rates. Each suite has two separate bedrooms and one bath.

**HOMEWOOD SUITES BY HILTON-** (Reserved rates available call 251-634-8664 or 1-800-CALL-HOME) All suites with fully equipped kitchens. Included daily with every suite is our complimentary hot breakfast, and Mon-Thurs evenings complimentary beer and wine with a light dinner including a signature hot dish, salad bar, starch and vegetable, as well as dessert. Free high speed wireless Internet access in all public areas and each suite, outdoor pool complete with 2 gas grills, on-site fitness center with privileges to any of 4 off-site locations, coin laundry and courtesy shuttle transportation to the Mobile Regional Airport and within a 3 mile radius. One bedroom King Suite with separate living room and kitchen area including work desk. Two-bedroom suites are also available. Each suite has two separate bedrooms, two bathrooms.

**RESIDENCE INN BY MARRIOTT-** 800-331-3131 or 251-304-0570) all suites with fully equipped kitchens. Amenities include complimentary hot breakfast, evening social with complimentary beer and snacks with dinner being served on Wednesday evenings for all guests, free high speed Internet access, indoor pool, hot tub, fitness center, laundry facility and sport court (basketball and tennis). Pets allowed with pet deposit. Studio suite includes fully equipped kitchen with separate living and sleeping area and work desk Two-bedroom suites also available at discounted rates which has two separate bedrooms, two bathrooms.

**COURTYARD BY MARRIOTT-** 800-321-2211 or 251-344-5200 Rooms with two double beds or one king-sized bed. Amenities include free high speed Internet access, indoor pool, hot tub, fitness center, in-room coffee pots, work desk, and laundry facilities. Breakfast buffet served, for an additional charge.

**FAIRFIELD INN BY MARRIOTT-** 800-228-2800 or 251-316-0029 Rooms with two double beds or one king-sized bed. Amenities include indoor pool, hot tub, fitness center, complimentary continental breakfast, complimentary local calls, free high speed Internet access, work desk, laundry facilities.

**EXTENDED STAY AMERICA-** 251-344-2514 - Clean comfortable quest rooms that feature fully equipped kitchens. Great Security. Mention that you are a student of IUD... 2 students can stay in a room with no additional charge.

**BEST WESTERN ASHBURY HOTEL & SUITES:** (251) 344-8030 - Free full breakfast buffet, wireless internet, in-room coffee, indoor pool, Hairdryer , Airport transportation, Bar/lounge on site, No Smoking Rooms

(Photo from IUS Scan Lab)





# LOCATION AND POINTS OF INTEREST

**Mobile, Alabama-** IUD offers courses four times each year beginning each January, April, July, and October. One year classes begin January and July



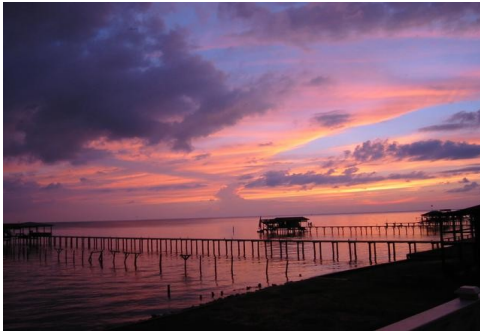
USS Alabama



Exploreum



Historic Homes of Mobile



Mobile Bay



Bellingrath Gardens



Tall Ships in Mobile



Mardi Gras in Mobile



Dauphin Street, Downtown Mobile



Riverboat Rides



Senior Bowl



Fort Conde



Bay Bear Games

**AND MANY MORE!!!!**



# THE BEACH LIFE

The emerald waters and sugar white sand beaches of the Gulf of Mexico create a relaxing environment along the Alabama/Florida Gulf Coast



# THE NEW ORLEANS LIFE

New Orleans, Louisiana (2 1/2 hours away)



**Audubon Aquarium of the Americas and Zoological**

Jazzland

Bourbon Street

Jackson Square

Café De Monde

French Quarter

Cemeteries of New Orleans

Riverwalk

Hard Rock Cafe

# THE CASINO LIFE

Mississippi Gulf Coast (1 hour away))



Beau Rivage

Grand Casino

Imperial Palace

Treasure Bay

Casino Magic

"Thank You for the help you have given me in building a strong foundation for my new career. For someone that has been through a few career changes before, I am gratified to find one that will be as challenging and rewarding as I want to make it. Your presentation of sonography as a profession instead of a trade makes this possible. At times this process has been frustrating, but it has also been a grand adventure. Your combination of knowledge and compassion for your students provides the tools and encourages the fortitude necessary for success. Thank You, Kathy and Misty. Your hard work is appreciated.

"I attended your program back in 1991. Just recently I graduated from a physician's assistant program and will begin working as an emergency room PA next month. I wanted to send my regards and to thank you for the wonderful program that you offer. After being in school for the least 2 ½ years, I realize what an outstanding program you have and how much I learned. I paid a lot more money to become a PA and did not get near the education I received at IUD. So, keep up the good work and remember that quality is the best reputation anyone can have."

"I know that my experience here will be the strongest base of training for my career as a sonographer. I only hope to live up to the great skills that both Kathy and Misty have shared. I would encourage anyone to attend this program, whether they are just learning or experienced"

"The personal touch given by the instructors at the Institute of Ultrasound Diagnostics is a definite plus!! The "hands-on" experience is a must for the beginning Sonographer."

"Terry's knowledge of diagnostic ultrasound by far exceeded what was expected in a three month course."

Dr. Lexsee Nickson, Jr., M.D., P.C. Syracuse, NY

"Your program has given Robin a well-grounded basic education in ultrasound and also more confidence in approaching different organ systems."

E.V. Bonnard III, M.D. Richland Radiology, Illinois-Indiana Olney, Illinois

"I have never been associated with people with such sincere dedication and pure joy for their profession:

Charles Mudge, R.T., MDS Blairsville, Georgia Murphy, North Carolina

"Because ultrasound is such a unique modality, training someone strictly on the job would take approximately a year or more. Having the actual classroom knowledge helps so much to understand what you are looking at while scanning. I am sure the degree of Renee's ability is due to the Institute of Ultrasound Diagnostics and highly recommend their program."

"The Institute of Ultrasound Diagnostics gave Arron a good fundamental background on which to build his ultrasound career. He returned to our hospital well prepared to work with us toward his becoming an important part of the diagnostic team."

Janis L. McGinnis, B.S., Ultrasound Supervisor Coos Bay, Oregon

**IUD**

**www.iudmed.com**

**800-473-2485**