Integrated Science Support, Inc.
14464 N 169 Hwy
Smithville, MO 64089
(816) 390-9011

ACR Accreditation Program Requirements for Medical Physicists

Greg Sackett, M.S., CHP

Contents

Master of Science in Health Physics ï Texas A&M University

Syllabi from Medical Physics Coursework

Documentation of Experience (CT, MRI, NM)

Continuing Experience in CT

Continuing Experience in MR

Continuing Experience in NM

Continuing Education

Distributed March 2024

Texas A&M University

To all to whom these presents may come Greeting
Be it Known that

Gregory Duane Sackett

having completed the studies and satisfied the requirements for the Degree of

Master of Science

has accordingly been admitted to that Degree with all the honors, rights and privileges belonging thereto.

Given under the seal of the University at College Station, Texas, on the twelfth day of August, A.D., nineteen hundred ninety-five.

Health Physics

Mary Ann Rankin
Chair, Board of Regents

Ray M. Bowen
President of the University

Gary R. Engelman
Executive Director of Admissions and Records

Greg Sackett

From: Butler, Penny <PButler@acr.org>
Sent: Wednesday, February 11, 2015 5:04 PM
To: Greg Sackett
Cc: Bush, Krista; Butler, Penny
Subject: RE: ACR Requirements for Physicist Qualifications

Greg,

After discussion with others at ACR, we consider the coursework to meet the spirit of the requirements. You should retain your syllabi as documentation for meeting these requirements.

Penny

Priscilla F. Butler, M.S., FACR, FAAPM
Senior Director and Medical Physicist, Quality and Safety
American College of Radiology
1891 Preston White
Drive Reston, VA 20191
pbutler@acr.org
(o) 703-715-4389
(f) 703-648-9176

Do you Image Gently and Wisely? For more information, visit www.imagegently.org and www.imagewisely.org.

NUEN 409 - RADIOLOGICAL SAFETY
FALL 1993

Description: NUEN 409. Radiological Safety. (3-0). Credit 3. Interaction of nuclear radiations with matter and biological systems. Theory and practice of radiation dosimetry as applied to radiation protection. Application of radiation dosimetry systems for personnel monitoring and accident situations. External and internal dosimetry as well as long-term risk analysis. Prerequisites: NUEN 201, 202.

Goals: This course is designed to introduce nuclear engineering and radiological health engineering students to the basic principles, concepts, and methodology of radiation protection and radiological hazard evaluation.

Textbooks: R. E. Faw and J. K. Shultis
Radiological Assessment: Sources and Exposures
PTR Prentice-Hall, 1993

F. W. Walker, J. R. Parrington, F. Feiner
Chart of the Nuclides, 14th edition, General Electric Company, 1989

References: J. E. Turner, *Atoms, Radiation, and Radiation Protection,* Pergamon Press, 1986.

H. E. Cember, *Introduction to Health Physics*, 2nd Edition, Pergamon, Press, 1987.

Instructor: Dr. Wesley E. Bolch, 58-O Zachry, 845-4138
Office Hours: WM 3:00 - 5:00 pm

DATE		***TOPIC***	***TEXT***
August	30	Course Intro, Goals, and Objectives	1.1 - 1.6
September	1	Radioactivity	"
	3	Radioactive Decay	"
	6	HW Review	"
	8	Radiation Interactions with Matter	2.1 - 2.9
	10	"	"
	13	HW Review	"
	15	***EXAM 1***	
	17	Radiation Dosimetry Quantities & Units	1.3
	20	"	"
	22	U.S. Exposures to Ionizing Radiation	4.1 - 4.6

DATE		***TOPIC***	
September	24	Biological Effects	3.1 - 3.7
	27	"	"
	29	Biological Effects / HW Review	"
October	***1***	***EXAM 2***	
	4	External Dosimetry	2.10 - 2.15
	6	"	"
	8	"	"
	11	"	"
	13	HW Review	"
	15	External Dosimetry	6.1 - 6.8
	18	"	"
	20	"	"
	22	"	"
	25	HW Review	"
	27	Internal Dosimetry	8.1 - 8.6
	29	"	"
November	***1***	***EXAM 3***	
	3	"	"
	5	"	"
	8	HW Review	"
	10	Internal Dosimetry	8.7 - 8.13
	12	"	"
	15	"	"
	17	HW Review	"
	19	***EXAM 4***	
	22	Radiat. Prot. Guidelines & Regs	1.4 - 1.5
	24	"	"
	26	***Thanksgiving Holiday***	
	29	Radiat. Prot. Guidelines & Regs	"
December	1	"	"
	3	Non-Ionizing Radiation	(Lecture Notes)
	6	"	"
	8	HW Review	"
	14	***EXAM 5***	

1659

NUEN 615
Theory and Applications of Microdosimetry

Course Description: Advanced course in the theory, measurement, and calculation of microdosimetric spectra. Emphasis will be placed on the practical applications of microdosimetry in the determination of absorbed dose distributions within tissue, the statistical fluctuations of absorbed dose at the cellular and subcellular level, and the future impact of microdosimetry to radiation protection guidelines. The course would be of interest to those students studying health physics, radiological health engineering, medical physics, and radiation biology.

Format: Three 50-minute lecture periods per week

Pre-requisites: NUEN 613

References: "Fundamentals of Microdosimetry," Albrecht M. Kellerer
The Dosimetry of Ionizing Radiation, Volume I
K. R. Kase, B. E. Bjarnard, and F. H. Attix, Eds.
Academic Press, New York, 1985.

"Relationship of Microdosimetric Techniques to Applications in Biological Systems," Dudley T. Goodhead
The Dosimetry of Ionizing Radiation, Volume II
K. R. Kase, B. E. Bjarnard, and F. H. Attix, Eds.
Academic Press, New York, 1987.

Microdosimetry, ICRU Report 36
International Commission on Radiation Units and Measurements
Bethesda, Maryland, 1983.

"An Introduction to Microdosimetry"
J. E. Turner, Oak Ridge National Laboratory
Radiation Protection Management, Vol. 9, No. 3 (May/June 1992).

Instructor: Dr. Wesley E. Bolch, 58-O Zachry, 845-4138
Office Hours: 11:30 am - 1:30 pm MW

Lecture Topics:

1. Course Introduction and Historical Review
2. Linear Energy Transfer
3. Proportional Counter Microdosimetry
   - Quantities and Units
   - External Radiation Exposures
   - Internal Radiation Exposures
4. Radiation Chemistry Fundamentals and DNA Damage
5. Track Profiles and Track Entities
6. Theories and Models for Cell Survival
7. Track Structure Simulations
   - Radiation Transport by Monte Carlo Methods
   - Simulation Methods for Charged-Particles
   - Oak Ridge Electron Transport Code (OREC)
   - Electron-Gamma-Shower (EGS4)
8. Student Lecture Presentations

Determination of Final Course Grade:

Exam 1	25%
Exam 2	25%
Homework	20%
Lecture Presentation	30%

Student Lecture Presentations

Each student will select a research topic in a particular area of microdosimetry and collect relevant journal articles or other publications on that subject (minimum of 5 journal articles). Toward the end of the course, each student will then give a full 50-minute lecture on that particular subject. The student grade will be based upon his or her presentation style, use of visuals, degree of preparation, depth of discussion, and ability to solicit questions from the other students.

Integrated Science Support, Inc
2027 N. 36th Street
St. Joseph, MO 64506
P: (816) 390-9011
P: (800) 306-4477
F: (816) 390-8003

February 20, 2015

To: Whom It May Concern

From: Jon J. Erickson, Ph.D., DABR

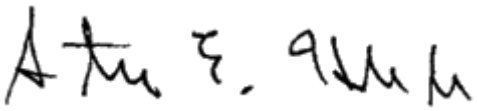
Subject: Clinical Experience Requirement for Greg Sackett, M.S., CHP

This memo is to certify that between the dates of January 2, 2012, and February 20, 2015, Greg Sackett, M.S., CHP, performed medical physicist duties in computed tomography(CT), magnetic resonance imaging (MRI) and clinical nuclear medicine (NM) environments. These duties included annual CT and MRI physics evaluations, quarterly nuclear medicine audits, dose calibrator quality control tests, sealed source inventory and leak tests, record reviews, well counter tests, and gamma camera quality control testing.

The records of this experience are available in the corporate offices of Integrated Science Support, Inc., at 2027 N. 36th Street, Saint Joseph, MO 64506.

Integrated Science Support, Inc.
14450 N 169 Hwy, Ste O
Smithville, MO 64089

The following is a true representation of the Continuing CT System Evaluation Experience for the indicated Physicist.



3/12/2024

Stephen E. Hale, Ph.D., DABR **Date**
President

Continuing Experience Summary for Greg Sackett, M.S., CHP

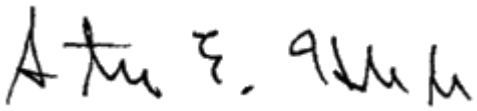
Facility State	Manufacturer	System Model	Date Performed
IA	GE	Optima 660	6/27/2022
IA	GE	Optima	9/21/2022
KS	GE	Optima	4/6/2022
KS	GE	Optima	8/15/2022
KS	Toshiba	Aquilion Prime	8/24/2022
KS	Siemens	Symbia Intevo Excel	8/29/2022
KS	Siemens	Biograph mCT	8/29/2022
KS	Fugi	Supria	11/29/2022
KS	Siemens	Pro.specta	1/11/2023
KS	Hitachi	Supria	5/4/2023
KS	Canon	Aquilion Prime SP	5/20/2023
KS	Siemens	Symbia Inteva Excel	8/14/2023
KS	Canon	Prime SP Aquilion	8/15/2023
KS	GE	Revolution EVO	1/31/2024
MO	Canon	Aquilion Lightning	3/23/2022
MO	GE	Light Speed 16	4/11/2022
MO	Siemens	Intevo Excel	4/28/2022
MO	Toshiba	Aquilion Prime	4/28/2022
MO	GE	Discovery	5/20/2022
MO	GE	Lightspeed VCT	5/23/2022
MO	Siemens	Somatom Perspective	5/25/2022
MO	GE	Revolution	7/11/2022

Facility State	Manufacturer	System Model	Date Performed
MO	Toshiba	Aquilion Prime	7/12/2022
MO	Toshiba	Aquilion Prime 40	7/12/2022
MO	GE	Revolution EVO	7/18/2022
MO	GE	Light Speed 16	7/18/2022
MO	Siemens	Symbia Intevo Excel	7/19/2022
MO	Siemens	SOMATOM go.UP	8/26/2022
MO	GE	Revolution ES	9/19/2022
MO	Canon	Aquilion Prime SP	10/4/2022
MO	Siemens	Intevo Excel	11/30/2022
MO	Siemens	SOMATOM go.ALL	12/5/2022
MO	Canon	Aquilion Lightning	12/6/2022
MO	Siemens	Somatom Definition AS	1/25/2023
MO	Siemens	Somatom Definition AS 64	1/25/2023
MO	Toshiba	Acquilion	1/25/2023
MO	Siemens	Biograph Vision	2/7/2023
MO	GE	Brightspeed 16	2/20/2023
MO	Siemens	Somatom Definition AS	2/21/2023
MO	Toshiba	Aquilion Prime	4/17/2023
MO	Siemens	Intevo Excel	4/17/2023
MO	GE	Lightspeed VCT	5/23/2023
MO	GE	Bright Speed 16	9/1/2023
MO	Siemens	Somatom go.Open.Pro	9/15/2023
MO	GE	Discovery	9/18/2023
MO	Canon	Aquilion Prime SP	10/2/2023
MO	Canon	Aquilion ONE	10/2/2023
MO	Siemens	Pro.specta	10/23/2023
MO	Siemens	Intevo Excel	11/21/2023
MO	GE	Optima 660	11/29/2023
MO	GE	Light Speed VCT 64	11/30/2023
MO	Canon	Aquilion Lightning	12/6/2023
MO	Siemens	SOMATOM go.ALL	12/18/2023
MO	GE	Light Speed 16	12/22/2023
MO	Siemens	Somatom Edge.Plus	1/15/2024
MO	Siemens	Somatom Definition AS	2/1/2024

Facility State	Manufacturer	System Model	Date Performed
MO	Hitachi	Supria	3/8/2024

Integrated Science Support, Inc.
14450 N 169 Hwy, Ste O
Smithville, MO 64089

The following is a true representation of the Continuing MRI System Evaluation Experience for the indicated Physicist.



3/12/2024

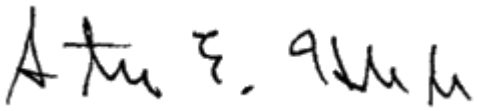
Stephen E. Hale, Ph.D., DABR **Date**
President

Continuing Experience Summary for Greg Sackett, M.S., CHP

Facility State	Manufacturer	System Model	Date Performed
IA	Siemens	Magnetom Symphony 1.5T	9/21/2022
KS	GE	Invivo 1.5T	8/24/2022
KS	Siemens	Magnetom Altea	10/18/2022
KS	GE	450W Wide Bore	12/20/2022
KS	GE	Invivo 1.5T	8/15/2023
KS	Philips	Ingenia 3.0T	11/28/2023
MO	Toshiba	Vantage Titan	4/14/2022
MO	Canon	Vantage Orian	4/14/2022
MO	Philips		5/4/2022
MO	Philips	Achieva 1.5 T	5/23/2022
MO	GE	Signa Ovation .35T	6/21/2022
MO	GE	Optima MR450w 1.5T	1/28/2023
MO	GE	Discovery MR750 3T	1/28/2023
MO	Siemens	Espree	2/8/2023
MO	Philips	Achieva 1.5 T	5/23/2023
MO	General Electri	MR450W Wide Bore	6/28/2023
MO	Hitachi	Echelon Oval	11/22/2023
MO	Siemens	Symphony 1.5T	1/25/2024
MO	Toshiba	Vantage Titan	3/4/2024

Integrated Science Support, Inc.
14450 N 169 Hwy, Ste O
Smithville, MO 64089

The following is a true representation of the Continuing Nuclear Medicine Camera Evaluation Experience for the indicated Physicist.



3/12/2024

Stephen E. Hale, Ph.D., DABR **Date**
President

Continuing Experience Summary for Greg Sackett, M.S., CHP.

Facility State	Manufacturer	System Model	Date Performed
IA	GE	Discovery DSTE	4/12/2022
IA	GE	Discovery 690	4/12/2022
IA	Scandia	45	4/12/2022
IA	GE	MPR	4/12/2022
IA	GE	MPR	4/12/2022
IA	Scandia	45	5/9/2023
IA	Spectrum Dyna	DSPECT	5/9/2023
IA	GE	MPR	5/9/2023
IA	GE	MPR	5/9/2023
KS	NA	NA	6/22/2022
KS	Siemens	Symbia Intevo Excel	8/29/2022
KS	Siemens	Biograph mCT	8/29/2022
KS	Siemens	Evo	9/12/2022
KS	Genesys	Epic	12/20/2022
KS	Siemens	Pro.specta	1/11/2023
KS	Siemens	Symbia Intevo Excel	8/14/2023
KS	Siemens	Symbia Evo	8/14/2023
KS	Siemens	Symbia Evo	8/23/2023
KS	GE	Millenium	8/31/2023
KS	GE	Hawkeye	8/31/2023
KS	GE	Discovery 530c	1/26/2024
KS	NA	NA	1/26/2024

Facility State	Manufacturer	System Model	Date Performed
KS	Siemens	Pro.specta	1/29/2024
KS	NA	NA	3/12/2024
MO	GE	Discovery	3/25/2022
MO	Siemens	Intevo Excel	3/25/2022
MO	ADAC	Forte	3/25/2022
MO	Siemens	Intevo Excel	4/8/2022
MO	Philips	Skylight	4/8/2022
MO	Siemens	Biograph	6/8/2022
MO	Spectrum Dyna	D-SPECT	7/13/2022
MO	Siemens	Symbia Truepoint	7/13/2022
MO	Spectrum Dyna	DSPECT	7/13/2022
MO	Philips	Skylight	7/20/2022
MO	Siemens	E-Cam	8/16/2022
MO	Siemens	Biograph mCT	11/8/2022
MO	Siemens	Intevo Excel	11/30/2022
MO	NA	NA	1/5/2023
MO	Siemens	Biograph Vision	2/7/2023
MO	GE	Discovery	3/29/2023
MO	Siemens	Intevo Excel	3/29/2023
MO	Siemens	Biograph Vision	4/13/2023
MO	Siemens	Intevo Excel	4/25/2023
MO	Philips	Skylight	4/25/2023
MO	Siemens	Signature E-Cam	5/12/2023
MO	Siemens	E-Cam	6/7/2023
MO	Siemens	Biograph Vision	6/13/2023
MO	Siemens	E-cam	6/14/2023
MO	Spectrum Dyna	D-SPECT	7/13/2023
MO	Siemens	Symbia Truepoint	7/18/2023
MO	Spectrum Dyna	DSPECT	7/18/2023
MO	Siemens	E-Cam	8/10/2023
MO	Siemens	SYMBIA Pro.specto	10/31/2023
MO	Siemens	Intevo Excel	11/21/2023
MO	Siemens	Biograph mCT	12/14/2023

Logged in as gsackett@issphysics.com, CAMPEPID# 40727 | **Logout**

CAMPEP
Commission on Accreditation of Medical Physics Education Programs, Inc.
Certificate of Medical Physics Continuing Education Credits
----Transcript----

Greg Sackett
14450 N 169 Hwy, Suite O
Smithville, MO 64089
US

Participated in the following CAMPEP accredited educational program(s) and is awarded Medical Physics Continuing Education Credits (MPCECs) as designated

Program Title	Date Credits Earned	Category/ SubCategory	EA Title	Credits
2022 AAPM Online Learning Center	03/21/2022	Radiation Protection: Radiation Protection	1639-N Factors affecting PET CT Shielding	1
2022 AAPM Online Learning Center	03/01/2022	Diagnostic Radiology: Magnetic Resonance	4165-N Physics of MR Safety	1
2023 AAPM Online Learning Center	07/18/2023	Nuclear Medicine: None	1659-N Nuclear Medicine 1 - Scintillation Camera QC and Accreditation	1
2023 AAPM Online Learning Center	01/16/2023	Diagnostic Radiology: Mammography	2135-N Anatomical Noise in Contrast Enhanced Digital Mammography	1
2023 AAPM Online Learning Center	07/20/2023	Nuclear Medicine: None	2937-N Gamma Camera and SPECT Basics Performance	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Mammography	4258-N Digital Breast Tomosynthesis Unique Features of the GE SenoClaire Tomosynthesis System	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Mammography	4260-N Changing Perceptions and Updated Methods for Mammography	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Mammography	4263-N The impact on lesion detection via a multi-vendor study: A phantom-based comparison of digital mammography, digital breast tomosynthesis, and synthetic mammography	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Mammography	4264-N Dense Breasts, Risk Stratification, DCIS Controversy Genetic Based Risk Stratification - The Road to Customized Care	1
2023 AAPM Online Learning Center	01/16/2023	Diagnostic Radiology: Mammography	4326-N Updates on the New ACR FFDM Manual	1

2023 AAPM Online Learning Center	01/12/2023	Diagnostic Radiology: Mammography	4417-N From Detection to Prediction: Imaging Markers of Breast Cancer Risk	1
2023 AAPM Online Learning Center	07/18/2023	Diagnostic Radiology: Computed Tomography	N-4549 CT Clinical Practice: Compliance with AAPM, ACR, and TJC Guidelines	1
2024 AAPM Online Learning Center	01/08/2024	Diagnostic Radiology: Mammography	1598-N Mammographic Surveys	1
2024 AAPM Online Learning Center	01/08/2024	Diagnostic Radiology: Mammography	1806-N Breast compression study	1
2024 AAPM Online Learning Center	01/08/2024	Diagnostic Radiology: Mammography	1809-N The future of breast cancer imaging	1
2024 AAPM Online Learning Center	01/09/2024	Diagnostic Radiology: Mammography	1898-N Breast Cancer Screening and Digital Mammography	1
2024 AAPM Online Learning Center	01/09/2024	Diagnostic Radiology: Mammography	1970-N Advances in Breast Imaging	1
2024 AAPM Online Learning Center	01/10/2024	Diagnostic Radiology: Mammography	2263-N ACR Accreditation of Stereotactic Breast Biopsy Systems and of Breast Ultrasoud Systems 2015	1
2024 AAPM Online Learning Center	01/10/2024	Diagnostic Radiology: Mammography	2888-N Evaluating the Performance of Stereotactic Breast Imaging Biopsy Systems 2019	1
2024 AAPM Online Learning Center	01/10/2024	Diagnostic Radiology: Mammography	2891-N Multi-Modality Stereotactic Breast Biopsy Systems	1
2024 AAPM Online Learning Center	03/12/2024	Diagnostic Radiology: Magnetic Resonance	4296-N Imaging Implants in MR	1
			Total Released Credits:	21

Order this Transcript Print Back