



SCAR University 2003

	Section	100 Introductory Course	200 Intermediate Course	300 Advanced Course	400 "Graduate" Course
		Will provide attendees with the basics and fundamental information used in everyday application of the technologies	These senior sessions are organized by topic and will allow participants to explore imaging technologies in greater depth. These detailed and complex didactic offerings are aimed at the technophiles and more experienced users of the technology. Courses 201, 301, 401 through 212, 312, 412 parallel topics 101-112 in the 100 level introductory course session. 213, 313, 413 deal with an additional topic, security.		
1	New Frontiers in Digital Radiography Katherine P. Andriole, PhD University of California, San Francisco, Section Head	101 The Essentials of CR and DR Katherine P. Andriole, PhD	201 Purchasing and Implementation Strategies for Digital Radiography R.L. Skip Kennedy, MS	301 Specialty Applications Katherine P. Andriole, PhD	401 New Technologies in Digital Radiography J. Anthony Seibert, PhD
2	Radiologist Decision Support Tools Bradley J. Erickson, MD, PhD Mayo Clinic, Section Head	102 Use of Decision Support Tools in Today's Clinical Practice Curtis Langlotz, MD, PhD	202 Clinical Applications of CAD Heber MacMahon, MD	302 Use of Advanced Image Processing Algorithms for Image Enhancement Brad Erickson, MD, PhD	402 Neural Networks and Fuzzy Logic Susan Wood, PhD Takeshi Doi
3	Productivity/Workflow Bruce I. Reiner, MD University of Maryland, Section Head	103 CR/DR Workflow Optimization Anna Chacko, MD	203 Interpretation Strategies for Large Imaging Datasets Eliot Siegel, MD	303 The New Paradigm in Electronic Reporting Bruce Reiner, MD	403 Designing Software Tools for Radiologist Workflow Optimization Kaushal Shastri

4 ♦♦♦	Workstation Design and Quality Control John A. Carrino, MD, MPH Brigham & Women's Hospital, Section Head	104 The LCD vs. CRT Conundrum Michael Flynn, PhD	204 Assessment of Display Performance for Medical Imaging Systems Andrew Maidment, PhD	304 Developing an Enterprise-Wide Monitor QC Program Manuel Arreola, PhD	404 Comparison of Color and Monochrome Displays in 2003 Michael Flynn, PhD
5	Quality Assurance in the Digital Enterprise Charles E. Willis, PhD Texas Children's Hospital Section Head	105 Fundamentals of Teleradiology Quality Control John Romlein, MS	205 Expanding the Role of the Technologist in Digital Radiography QC Ellen Charkot, MRT	305 Artifacts and Misadventures in Digital Radiography Charles Willis, PhD	405 Developing an Enterprise-Wide Digital Quality Assurance Program Stephen Thompson, MS
6	Information Systems Janice Honeyman-Buck PhD University of Florida Section Head	106 Buyer's Guide to RIS Purchasing Janice Honeyman-Buck, PhD	206 The Changing Role of Informatics in the Current Digital Radiology Practice Chris Sistrom, MD	306 Integration of RIS and PACS Meryll Frost	406 Advanced Information System Functionality, Interoperability, and Issues Janice Honeyman-Buck, PhD
7	Connectivity/Networking Paul J. Chang, MD University of Pittsburgh Medical Center, Section Head	107 Introduction to Networking Paul Chang, MD	207 Update on IHE David Channin, MD	307 New DICOM Initiatives Steven Horii, MD	407 Wireless Technologies: Current State-of-the-Art Paul Chang, MD
8	Digital Mammography Martin J. Yaffe, PhD Sunnybrook & Women's College HSC, Section Head	108 Is Digital Mammography Ready For Prime Time? Janet Baum, MD	208 Current and Future Technologies for Digital Mammography Martin Yaffe, PhD	308 DICOM and PACS for Digital Mammography Andrew Maidment, PhD	408 Advanced Clinical Applications for Digital Mammography (Tele mammography, Tomosynthesis, CAD Breast Angiography) Roberta Jong, MD

9	Speech Recognition and Structured Reporting David L. Weiss, MD Geisinger Medical Center Section Head	109 Introduction to Speech Recognition Stephen Herman, MD	209 Demo of Problem-Solving Scenarios David Weiss MD	309 Practical Applications of Structured Reporting with Demo Curtis Langlotz, MD, PhD	409 Radiology Lexicon and the RadLex Project John Carrino, MD, MPH
10	SCAR U: How To (A Practical User's Guide) Nogah Haramati, MD Montefiore Medical Center Section Head	110 Digital Image Capture Using PACS Richard Wiggins, III, MD	210 An Update on Wireless Technologies Mary McKenna, RN, MSN	310 Interpretation Strategies for Large Cross Sectional Image Data Sets Nogah Haramati, MD Menashe Benjamin, PhD	410 Customizing Hanging Protocols Roberta Locko, MD
11	Electronic Storage Media David S. Channin, MD Northwestern University Medical School, Section Head	111 Introduction to Storage: Does Size Really Matter? Edward Smith, DSc	211 Storage Media Katherine Andriole, PhD	311 Storage Options: DAS, HSM, SAN, NAS and other Buzzwords Prakash Mathew PhD	411 Practical and Clinical Determinants of Storage Requirements David Channin, MD
12	Design Considerations in a Filmless Enterprise Eliot L. Siegel, MD Baltimore VAMC/ University of Maryland, Section Head	112 Designing and Redesigning the Digital Radiology Reading Room Eliot Siegel, MD	212 The Digital Imaging Department: An Architect's Perspective Morris Stein, FAIA, FACHA Bill Rostenberg, FAIA, FACHA, Kenneth Johnson, MS	312 Radiology Department Redesign in the Digital Era: A Case Study Approach Morris Stein, FAIA, FACHA Bill Rostenberg, FAIA, FACHA, Kenneth Johnson, MS	412 Looking into the Crystal Ball: The Radiology Department of the Not Too Distant Future Mark Morita
13	Security Sam J. Dwyer, III, PhD University of Virginia HSC, Section Head		213 HIPAA Securing Update Kristen Hughes. JD	313 Security Strategies for Wireless Technologies Samuel Dwyer, III, PhD	413 Creating a Bullet-Proof Digital Imaging Network Herman Oosterwijk, MS, MBA