

Unit	Unit Name	Hours	CAT
	Clinical Medicine		
2.5	Evidence-Based Practice	4.0	CM
3.13	What is Public Health?	3.0	CM
	Medicolegal		
1.9	The Evolution & Reform of Health Care in the US	3.5	ML
2.8	Professional Values; Medical Ethics; Privacy, Confidentiality & Security	4.0	ML
5.10	History of Privacy and Security Leg.	3.0	ML
5.11	Software certification and regulation	3.0	ML
5.3	Evolution of Health IT: The HITECH ACT	3.0	ML
9.9	Privacy, Confidentiality, Security Issues and Standards	3.0	ML
11.2	Meaningful Use -- Practical Implementation	3.0	ML
13.2	Privacy, Confidentiality, Security to Public Health Information	2.5	ML
13.7	Public Health Reporting, Alerts and Decision Support	3.0	ML
	Common Commercial EHR Systems used in ambulatory and in-patient care		
14.1	settings	3.0	ML
14.2	Certification of Commercial EHRs	3.0	ML
16.5	Regulatory Issues: HIPPA and Standard Precautions	3.0	ML
	Medicolegal or MT Tools		
12.1	Introduction to Quality Improvement and HIT	3.5	ML or MTT
12.10	HIT Design for Quality Reporting	3.0	ML or MTT
12.11	Data Quality Improvement	3.5	ML or MTT
12.12	Learning from Mistakes: Error Report and Analysis and HIT	4.0	ML or MTT
12.2	Principals of Quality and Safety for HIT	3.0	ML or MTT
12.3	Reliability and Culture of HIT	3.0	ML or MTT
12.4	Human Factors: HIT Design and Complexity	3.0	ML or MTT
12.5	HIT Design to support Teamwork and Communication	3.5	ML or MTT
12.6	Decision Support for Quality Improvement	3.5	ML or MTT
12.7	Safe Workflow Design	3.5	ML or MTT
12.8	HIT Implementation Planning to Maximize Quality and Safety	3.5	ML or MTT
12.9	HIT and Infecting a Patient Safety Culture	3.0	ML or MTT
13.3	Data Standards in Public Health Information Technology	2.5	ML or MTT

MT Tools

Quality Measurement, Performance Improvement & Incentive Payment

2.7 Schemes	3.5	MTT
5.16 History of Health IT Organizations	3.0	MTT
10.8 Quality Improvement Methods	3.0	MTT
13.9 Quality Reporting	3.0	MTT

Professional Development

1.1 Introduction & History of Modern Health Care in the US	3.5	PD
1.2 Delivering Health Care Part 1	4.0	PD
1.3 Delivering Health Care Part 2	3.5	PD
1.4 Financing Health Care Part 1	3.5	PD
1.5 Financing Health Care Part 2	3.5	PD
1.6 Regulating Health Care	4.0	PD
1.7 Public Health Care Part 1	3.0	PD
1.8 Public Health Care Part 2	3.0	PD
2.2 Health Professionals: The People in Health Care	3.5	PD
2.4 Healthcare Processes & Decision Making	4.0	PD
2.6 Nursing Care Processes	3.0	PD
10.1 Concepts and Processes and Process analysis	3.0	PD
10.10 Process Change Implementation and Evaluation	3.0	PD
10.11 Maintaining and Enhancing The Improvements	3.0	PD
10.2 Process Representation	3.0	PD
10.3 Interpreting and Creating Process Diagrams	4.0	PD
10.4 Acquiring Clinical Process Knowledge	3.0	PD
10.5 Process Analysis	3.0	PD
10.6 Process Redesign	3.5	PD
10.7 Facilitating Optimization Decisions	3.0	PD
10.9 Leading and Facilitating Change	3.0	PD
13.1 Overview and Contribution to Public Health through EHR Use	3.5	PD
Public Health Enabled Electronic Health Records and The Role of Public		
13.4 Health In Health Information Exchange	3.0	PD
13.5 Epidemiological Databases and Registries-Public Health Information Tools	3.0	PD
13.6 Biosurveillance, situational awareness and disaster response	3.0	PD
15.1 People and Technology, Studies of Technology	3.0	PD
15.10 Designing for Safety	3.0	PD
15.11 Input and Selection	3.0	PD
15.12 Information Visualization	3.0	PD
15.2 Requirements Engineering	3.0	PD
15.3 Cognition and Human Performance	3.0	PD
15.4 Human Factors and Health Care	3.0	PD
15.5 Usability Evaluation Methods	3.0	PD
15.7 Clinical Decision Support and Usability	3.0	PD
15.8 Approaches To Design	3.0	PD
15.9 Ubiquitous Computing	3.0	PD
16.1 Customer Service in Healthcare IT	3.0	PD
16.2 Professional Behavior in the Healthcare Environment	3.0	PD
16.3 Overview of Commutation relevant to Health IT	3.0	PD
16.4 Key Elements of Effective Communication	3.0	PD
16.6 Team and Small Group Communication	3.0	PD
16.7 Handling Conflict	3.0	PD
16.8 Ethical and Cultural Issues related to Communication and Customer Service	3.0	PD
16.9 Personal Communications and Professionalism	3.0	PD
17.1 Health IT Teams: Examples and Characteristics	3.0	PD
17.10 Barriers to Success: Reading Early Warning Signs to HIT Team Failure	3.0	PD
Positioning For High Performance Teaming: Challenges and Opportunities in		
17.11 the HIT Environment	3.0	PD
17.12 Life Cycle of HIT Teams: Reforming and repositioning Techniques	3.0	PD
17.2 Forming and Developing A Team for HIT	3.0	PD
17.3 Initial Tools for Teaming: Ground Rules and Action Plans for HIT Team	3.0	PD

17.4 Individual Rolls and Team Mission	3.0	PD
17.5 Leveraging Integration Techniques: Power of HIT Team Dynamic	3.0	PD
17.6 Articulating Feedback and Feedforward: Tracking success and Change	3.0	PD
17.7 Leadership: All members as Leaders -- Leaderful Teams	3.0	PD
Sharing Resources and Information: Tools to optimize Performance of HIT		
17.8 Teams	3.0	PD
18.1 Introduction to Leadership	3.0	PD
18.2 The Management and Leadership distinction	3.0	PD
18.3 Key concepts associated with Leadership	3.0	PD
18.4 Effective and Ineffective Leaders	3.0	PD
18.5 Overview of the IT Strategic Planning Process	3.0	PD
18.6 Achieving External Alignment	3.0	PD
18.7 Components of Successful Teamwork	2.5	PD
18.8 Effective Management of Teams/ Twelve C's of Team	3.0	PD
18.9 Managing and Resolving Conflict	3.0	PD
19.1 Overview of Health IT Projects	4.0	PD
19.10 Managing Quality	3.5	PD
19.11 Project Closure and Transition	3.0	PD
19.12 Application of Health IT Project Management	3.0	PD
19.2 Project Life Cycles	4.0	PD
19.3 Project Initiation	3.5	PD
19.4 Project Planning Overview	3.5	PD
19.5 Managing Project Scope	4.0	PD
19.6 Managing Project Time, Cost, and Procurements	3.0	PD
19.7 Managing Project Risk	3.0	PD
19.8 Team Management and Communications	3.5	PD
19.9 Project Monitoring and Control	3.5	PD
20.1 Introduction to Training and Adult Learning	3.0	PD
20.2 Needs Analysis	3.0	PD
20.3 Creating a Lesson Plan	3.0	PD
20.6 Assessments	3.0	PD
Technology and the Workplace		
2.1 An Overview of the culture of Health Care	3.5	TW
2.3 Healthcare Settings: The places where care is delivered	4.0	TW
2.9 Sociotechnical Aspects: Clinicians and Technology	3.0	TW
3.14 What is Health Information Management and Technology?	3.0	TW
3.15 Overview/Introduction to the EHR	3.0	TW
3.16 Definitions and Concepts in the EHR	3.0	TW
3.17 Clinical Vocabularies	3.0	TW
4.10 Future of Computing	3.0	TW
4.3 Computer Hardware and Architecture	3.5	TW
4.4 Application and System Software	3.5	TW
4.5 Overview of Programming Lang. Including Basic Programming Concepts	4.0	TW
4.6 Databases and SQL	4.0	TW
4.7 Networks and Networking	4.0	TW
4.8 Security	3.5	TW
4.9 Components development of Large Scale Systems	5.0	TW
5.1 Evolution of Health IT: The Early Years	3.5	TW
5.12 History Of Mobile Computing	3.0	TW
5.13 History of telemedicine	3.0	TW
5.14 History of Quality Improvement and Patient Safety	3.0	TW
5.15 Payment: Related Issues and the Role of HIT	3.0	TW
5.2 Evolution of Health IT: The Modern Era	3.0	TW
5.4 Evolution of Public Health Informatics	3.0	TW
5.5 Evolution of Nursing Informatics and HIT Tools used by Nursing	3.0	TW
5.6 History of EHRs	3.0	TW
5.7 History of Clinical decision support systems	3.0	TW
5.8 History CPOE and E-Prescribing	3.0	TW
5.9 History of Health Information Exchange	3.0	TW
6.1 What is Health Informatics?	3.5	TW
6.2 Hardware and Software Supporting Health Information Systems	3.5	TW

6.3 Electronic Health Records	3.5	TW
6.4 Computerized Provider Order Entry (CPOE)	3.0	TW
6.5 Clinical Decisions Support System	3.5	TW
6.6 Patient Monitoring Systems	3.0	TW
6.7 Medical Imaging Systems	3.0	TW
6.8 Consumer Health Informatics	3.0	TW
6.9 Administrative, Billing and Financial Systems	3.5	TW
7.1 Introduction and Overview: Components of HIT systems	3.0	TW
7.10 HIT and aspects of patient-centered care	3.0	TW
7.11 Health IT in the Future	3.0	TW
7.2 Under the Hood: Functions of HIT systems	3.0	TW
7.3 Understanding Information Exchange in HIT systems	3.0	TW
7.4 The effective HIT Systems	3.0	TW
7.5 Fundamentals of Usability in HIT systems -- What does it matter?	3.0	TW
7.6 HIT Facilitated -- Cause and Effect	3.0	TW
7.7 Protecting Privacy, Security, confidentiality in HIT systems	3.0	TW
HIT System Planning, Acquisition, Installation , and training: Practices to		
7.8 support and pitfalls to avoid	4.0	TW
7.9 Potential issues with Adoption and Installation of an HIT system	3.0	TW
8.1 Elements of a typical Electronic Health Record System	3.0	TW
8.10 Developing a Test Strategy and Plan	3.0	TW
8.11 Pilot Testing and Full-Scale Deployment	3.0	TW
8.2 System Selection -- Software and Certification	3.0	TW
8.3 System Selection -- Functional and Technical Requirements	3.0	TW
8.4 Sutured System Analyses and Design	3.0	TW
8.5 SDLC (Software Development Lifecycle) Model	3.0	TW
8.6 System Security Procedures and Standards	3.5	TW
8.7 System Interfaces and Integration	3.0	TW
Troubleshooting, Maintenance and Upgrades, and Interaction with Vendors,		
8.8 Developers, and users	3.0	TW
8.9 Creating Fault Tolerate Systems, Backups, and decommissioning	3.0	TW
11.1 Migration to an Electronic Health Record Systems	3.0	TW
11.3 Clinical Decision Support	4.0	TW
11.4 Lab: Implementing Clinical Decision Support	5.5	TW
11.5 Lab: Health Summary and Clinical Reminder Reports	4.5	TW
11.6 Lab: Data Entry Templates	6.5	TW
11.7 Lab: Building Order Sets	6.5	TW
11.8 Data Infrastructure	3.0	TW
11.9 EHR Implementation in Specific Settings	3.0	TW
Encouraging Adoption/Use of Population Health Functions for EHRs and		
13.10 Consumer Functions for PHRs	3.0	TW
The potential of Public Health IT for Health Promotion and Chronic Disease		
13.8 Prevention	3.0	TW
14.3 How do Organizations Select an EHR? Lessons from the Front Lines	3.0	TW
14.4 EHR Functionality	3.0	TW
14.5 System and Database Architectures used in Commercial EHRs	3.0	TW
Vendor Strategies for Terminology, Knowledge Management, and Data		
14.6 Exchange	3.0	TW
14.7 Assessing decision support capabilities of Commercial EHRs	3.0	TW
14.8 Vendor--Specific training and Go-Live Strategies	3.0	TW
15.6 EHRs and Usability	3.0	TW
Expanding Value: Tools for calibration across Time and Space in HIT --		
17.9 Related Activities	3.0	TW
20.4 Selecting and Working With Media	3.0	TW
20.5 Building and Delivering Effective PowerPoint Presentations	3.0	TW
20.7 Learning Management Systems	3.0	TW
20.8 Web 2.0 and Social Networking Tools	3.0	TW

Technology and the Workplace or Medicolegal

9.1 ISO Open Systems Interconnection (OSI)	3.0	TW or ML
9.2 Network Media and Hardware Commutation Devices	3.0	TW or ML
9.3 National and International Standards Developing Organizations	4.0	TW or ML
9.4 Basic Health Data Standards	4.5	TW or ML
9.5 EHR Functional Model Standards	3.5	TW or ML
9.6 Health Data Interchange Standards	4.0	TW or ML
9.7 Supporting Standards for EHR Standards	4.0	TW or ML
9.8 Enterprise Architecture Models	3.0	TW or ML