HEALTH INFORMATION TECHNOLOGY STANDARDS AND SYSTEMS INTEROPERABILITY

Course Content
(The order of the lectures can be changed)

Lecture 1. Towards a Nationwide Health Information Network

Lecture 2. HIT Standards and HIT Standardization: Implementing National Standard Strategy

Lecture 3. Health Information Systems Interoperability

Lecture 4. Business Process Standards

Lecture 5. HIT Standards: Functional Standards

Lecture 6. HIT Standards: Data Standards

Lecture 7. HIT Standards: Information Content Standards

Lecture 8. HIT Standards: Information Exchange Standards

Lecture 9. HIT Standards: Identifiers Standards

Lecture 10. HIT Standards: Privacy and Security Standards

Lecture 11. HIT Standards Harmonization

Lecture 12. HIT Interoperability Standards Testing and HIT Products Certification

Lecture 13. HIT Standards: International Perspectives

Lecture 14. Student Presentations: Functional Requirements Analysis Document (Specification) for an Information System for a Selected Health Problem/Domain

Lecture 15. (Extra Credit): Deployment of Standards-based HIT Solutions in Public Health Practice: Case Studies
Case 2: Interoperability Standards for Clinical Document Architecture (CDA) for Public Health Pilot Project in New York State