Crypto Case 4: How Do You Secure Patient Data?

Real-world Scenario: Health care information security planning, policies, digital right and privacy management are subject to Health Insurance Portability and Accountability Act (HIPPA). Students will design their security policies and use cryptographic techniques to implement those policies.

Problem and Activities: 1) Students will study HIPPA and design security policies compliant to HIPPA. 2) They will secure health data storage, electronic transaction and control access using authentication.

Learning outcomes: Students will be able to design security policies according to corresponding to regulations. They will be able to implement security policies using cryptographic techniques.

Assessment: Students will write report and do presentations.