IST 402: HEALTH INFORMATION TECHNOLOGY

About the Instructor: Alison Murphy
Alison is a PSU Instructor who graduated from IST undergrad in 2004. She conducts research on the use of HIT in hospitals by shadowing clinical teams and developing design requirements to improve hospital systems. Alison also has industry experience as an IT project manager and compliance manager at Johnson & Johnson. Her research interests include improving the design of HIT for patients and providers.

IST 402, Section 001
Schedule #: 594214
Tuesday & Thursday
1:00 - 2:15pm
208 IST Building

Prerequisites:
IST 210 & IST 220

Course Overview:
Health information technologies (HIT) are being rapidly integrated into our everyday lives. Individuals wear devices that track and visualize their daily health behaviors, and hospitals are implementing systems to digitally store patient data. This course will explore the use and design of these HITs and the information that they generate. Students will also learn how to critically analyze the benefits and concerns of HIT use by individuals, organizations, and society.

Topics Include:
• Use and design of wearable devices, smartphone apps, and websites used to track health behaviors
• Use and design of HIT systems that facilitate patient-provider communication
• Integration of HIT into healthcare organizations
• Importance of privacy policies related to the sharing and use of electronic patient data
• Future of HIT for both patients and providers

Target Audience:
Sophomore, junior, or senior undergraduate students who have completed IST 210 & 220.

Evaluation Methods:
The course will evaluate students based on in-class activities, homework assignments, quizzes, and a team project with written reports and presentations.