

Essentials of Interpretative Phenomenological Analysis (Essentials of Qualitative Methods)

ITS 3310

Designing for Security

3

Provides students with concepts needed for creating secure networks and systems requiring advanced planning. Once networks or systems are open to either the Internet or an internal user base, they are exposed to threats ranging from viruses to outright destruction. Therefore, designing these systems and networks with an understanding of their function and security needs before being exposed to these threats will provide information with its best defense. The objectives of this course are to create a framework to define the needed functions of the network or systems and ensure that secure methods are used to provide these tools. This course will focus on the use of tools to update these functions to continue to provide secure services. Finally, this course will also explore sites and services that can be used to discover new exploits and methods to secure them, and tools used by security professionals to audit the vulnerability of the network and systems. 45 hours of lecture are required.

Prerequisite(s):

ITS 3050

Corequisite(s):

None

Reference

[Statistical Methods in Medical Research](#)

[ISCN 2020: An International System for Human Cytogenomic Nomenclature \(2020\)
\(Cytogenetic and Genome Research\)](#)