Network Security

* applied crypto
  + TLS
* web security
  + how your browser interacts and deals with those vulnerabilities
* network protocol security
  + her expertise
  + domain name system
  + border gateway protocol
  + network time protocol

Python, javascript, SQL

5 labs - 32%

* web security is a very big lab

Midterm - 30%

* Tuesday, March 21
* will cover applied crypto and web security

Final Project - 10%

* audit a website's security

Participation and Scribing - 3%

* the person who takes notes on the lecture and provides them to class
* typed up notes on the class
* sign up online by Monday night
* 2 per class

Collaboration Policy

* do not share code
* write up your own solutions
* indicate who you worked with
* you can use anything you want but you must cite it

bugcrowd.com

* authorizes people to white hat hack on their site

3 Late Days - only apply to the labs

you can use them however you want

Presentations

* dan goodin - writer for ars technica
* csm  papsscode
* stuff that is in the news
* nothing before 2015
* kaspersky.com
* trendmicro.com
* 9 minutes
* about 10 slides 1 minute per slide
* the report will be put on the blog
* will need an abstract
* report due a week after the presentation

Project Contents

* understand what is presented in the press
* the underlying technical issues
* suggestions on how the attack could be prevented
* discussion of incentives - what motivated the attacker
* legal or ethical issues raised by the incident