Assignment Project Exam Help
While you are waiting for the session to start,
can you familiatise/yourself with the OWASP
website. Its link https://owasp.org/
What is OWASP is about etc?
Find any events that you can attend virtually

Introduction to Module

By

Assignment Project Exam Help Dr. Imran Ullah Khan Informatics/Jowicordety.comussex

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Structure of the Module

Lectures:

Tuesday: 16:00-17:00, Zoom

Friday: 09-Assignment Project Exam Help

Labs: https://powcoder.com

Monday: 3-5pm, Zoomand Gongle sheet By Aamir

Tuesday: 9-11am, Zoom and Google sheet by Zickey

Wednesday: 11-1pm, Zoom and Google sheet by

Zickey

Friday: 3-5pm, Zoom and Google sheet By Aamir

Any knowledge gained in this module, must NOT be applied to unauthorised target fect Exam Help

https://powcoder.com

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Lectures and Labs

- Stay on mute
- Don't need to turn on the camera
- In Lab session Assignment Project Exam Help
- Lab assistant will be available in Zolom and Google sheet.
- Any question you can ask either on Zoom or Google sheet. Google sheet provide the option to be anonymous.

Assessment:

50% coursework
 Will be released in week 9
 You will have three weeks to complete it, end of week 11 Assignment Project Exam Help

• 50% final exam, Computer based Exam (Jan 2020)

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Both of these components will be discussed in detail in Week 7 when we will have covered a large part of the module.

Learning aims of the module

 Systematically discuss key dimensions of computer security (e.g. secrecy, authentication, integrity, anonymity), and their relationship to the main threats and attack techniques relevant to computer security.

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- Systematically describe the main building blocks of cryptography (e.g. public and private keyteporyptiony couptographic hashing), and their relationship with the key dimensions of computer security from LO1.

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- Deploy up-to-date tools and techniques for finding vulnerabilities in computer systems. Draft security policies and implement policy enforcement processes and mechanisms.
- Design secure computer systems by using established computer security principles.

This module is NOT about

- Ethical hacking
- Web penetrationsignment Project Exam Help

Network security However, it does cover these things to some extent.

Once you have the basic knowledge and concepts are clear to you, you can build on the knowledge gained in this module.

Computer security is a huge topic, we can't cover everything.

Rough Schedule

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1	2	3	4 htt	5 ns://n	6 OWCO	7 der co	8 nm	9	10	11
Theory, Concepts, Types of Malwares etc		Crypto		security	security i	ncluding w	veb	Incident response	Security laws	Review

Module Covers

- Principles and basic concepts of security
- Cryptography including hashing
- Vulnerabilities of applications: XSS, SQLi, Buffer overflows etc
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- Incident response: policies and frameworks
- Laws related to cyber crimes: GDPR, Fraud acts etc

May cover digital forevision to hat powcoder

Security is a wide topic, can not cover everything



Lab set up to cover software security

AWS	VirtualBox					
Advantages:	 ✓ Virtual box ✓ Kali linux ✓ Targets a) Web applications – DVWA b) Windows OS – running vulnerable Oject application Help Vcoder.com Advantages: 1) Fast 100 of online support, videos on YouTube, Will suit independent learner 					
 Disadvantages: 1) Slowspeed – It is slow 2) Not lots of support in online forums/chats 3) Practice or testing without proper clear guidelines is hard 	Disadvantages: 1) I will not cover it directly in my lab notes as there are lots of support available. I will provide some useful references.					

Job prospect of security experts

- Information security experts, cyber security, pen testing expert and security advisers etc Exam Help
- Market worth: UK market largest in Europe, \$5.5 billion.

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 General Data Protection Regulation (GDPR) will drive future spending on cyber security as companies seek to comply with the regulation.

Courses you might be interested

Free Open University course: Introduction to Cyber Security

https://www.futurelearn.com/courses/introduction-to-cyber-security Assignment Project Exam Help

- 8 Weeks and 3 hours per week
- Next intake check its to be in the control of the check its to be in the control of the check its to be in th
- £62 for unlimited access to resources and certificate of achievement
- APMG exam Add WeChat powcoder

Cyber security challenge

https://www.cybersecuritychallenge.org.uk/

Companies bounty programs/Challenges

- https://www.microsoft.com/en-us/msrc/bounty
- https://developer.apple.com/security-bounty/
- Hundreds of bounty programs; Check for other SMEs

The NIST Internal/Interagency Report NISTIR 7298 (Glossary of Key Information Security Terms, May 2013) defines the term computer security as follows:

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"Measures and controls that ensure confidentiality, integrity, and availability of information system assets including hardware, software, firmware, and information being processed, stored, and communicated."

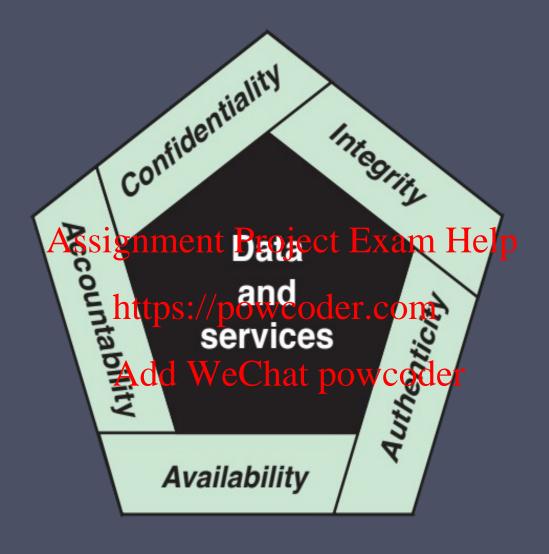


Figure 1.1 Essential Network and Computer Security Requirements

Key Security Concepts

Confidentiality Availability Integrity

- Preserving authorized restrictions on information access and disclosure, including means for protecting personal privacy and proprietary information
- Guarding against nttps://ppaycoder.com information Addmadification wooder of information destruction, including ensuring information nonrepudiation and authenticity
 - Ensuring timely and reliable access to and use