



## ITU Centres of Excellence Network for Arab Region

### Naif Arab University of Security Sciences (NAUSS)

#### Face-to-Face Training on "Digital Forensics"

Riyadh-Saudi Arabia, 19-21 November 2019

## COURSE OUTLINE

### COURSE DESCRIPTION

Title	Digital Forensics
Objectives	The purpose of this training course is to provide the participants with an advanced skills, tools and techniques concerning computer and digital forensics using lecture and hands-on labs
Dates	<b>19-21 November 2019</b>
Duration	<b>3 Days</b>
Registration deadline	<b>10 November 2019</b>
Training fees	<b>500 USD</b>
Course code	<b>19WS24272ARB-A</b>

### LEARNING OUTCOMES

At the completion of this training course, participants will be able to:

- Understand both the importance and the processes necessary to handle data so as to insure its admissibility in a court of law.
- Develop an investigative process for the digital forensic investigation.
- Understand methods of focusing investigations through analysis of multiple evidence sources.
- Effectively prepare for incident response of both victim and suspect systems, including understanding the importance of network reconnaissance and network traffic analysis.
- Identify sources of evidentiary value in various evidence sources including network logs, network traffic, and volatile data and through disk forensics.
- Identify common areas of malicious software activity and characteristics of various types of malicious software files.
- Perform response in intrusion investigation scenarios.

- Comprehend cybercrime.
- Work with the security team to respond first in digital criminal investigations.
- Familiarize with the compilation and analysis of the digital manual.
- Understand and write a digital criminal report.
- Know the technical issues related to pleading in court.

## TARGET POPULATION

The course is targeting security professionals and systems security analysts, incident response teams, law enforcement officers, operating systems officers, and anyone interested in digital forensic investigations. In addition, the course is also addressed to cybersecurity specialists and IT administrators.

## TUTORS/INSTRUCTORS

NAME OF TUTOR(S)/INSTRUCTOR(S)	CONTACT DETAILS
Eng. Walid Halaboub	<a href="mailto:Mn.sarkh@gmail.com">Mn.sarkh@gmail.com</a> Mobile : 00966504445654

## EVALUATION

The assessment of the participants shall be based on the attendance and a final test. The latter will be based on multiple choice questions and short questions on the different parts of the course.

## TRAINING SCHEDULE AND CONTENTS / AGENDA

Date for 1 <sup>st</sup> day	Time; Start time	Topics/Activities
19/11/2019	08:00 - 14:00	<ul style="list-style-type: none"> <li>▪ <b>Introduction to Digital Forensics</b></li> <li>▪ <b>Cybercrimes</b> <ul style="list-style-type: none"> <li>• Type.</li> <li>• Methods</li> <li>• Anti-Cyber Crimes Law</li> </ul> </li> <li>▪ <b>Digital Forensics An Overview</b> <ul style="list-style-type: none"> <li>• System memory, files and disks</li> <li>• Digital Evidence: Concept and Rules</li> <li>• Investigation Steps</li> <li>• Saudi Anti-Cyber Crimes Law</li> </ul> </li> </ul>

Date for 2 <sup>nd</sup> day	Time; Start time	Topics/Activities
20/11/2019	09:00 - 14:00	<ul style="list-style-type: none"> <li>▪ Digital Forensics Tools</li> <li>▪ Digital Evidence</li> </ul>
Date for 3 <sup>rd</sup> day	Time; Start time	Topics/Activities
21/11/2019	09:00 - 14:00	<ul style="list-style-type: none"> <li>▪ Digital Evidence Analysis <ul style="list-style-type: none"> <li>• (Who did the crime, when, and how?)</li> <li>• Windows Forensics.</li> <li>• Internet Artifacts.</li> <li>• Memory Forensics.</li> <li>• Other Cases.</li> </ul> </li> </ul>

## METHODOLOGY

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The face-to-face program will include Instructor-led presentations, case studies and group exercises.

## COURSE COORDINATION

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<p><b>Training Coordinator:</b>  <b>Mr. Raed Al-Rashidi</b>  NAUSS  Tel: +966 11 246 34 44 ext.1077  Fax: +966 11 246 47 13  Mobile: +966 55 462 22 03  E-mail: <a href="mailto:RAlrashidi@nauss.edu.sa">RAlrashidi@nauss.edu.sa</a></p>	<p><b>ITU Coordinator:</b>  <b>Eng. Mustafa Al Mahdi</b>  Programme Administrator  Arab Regional Office-ITU  Tel: +202 3537 1777  Mobile: +20114 117 75 73  Fax : +202 3537 1888  Email : <a href="mailto:mustafa-ahmed.al-mahdi@itu.int">mustafa-ahmed.al-mahdi@itu.int</a></p>
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## REGISTRATION AND PAYMENT

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### ITU Academy portal account

Registration and payment should be made online at the ITU Academy portal.

To be able to register for the course you MUST first create an account in the ITU Academy portal at the following address:

<https://academy.itu.int/index.php/user/register>

## Training registration

When you have an existing account or created a new account, you can register for the course online at the following link: <https://academy.itu.int/index.php/training-courses/full-catalogue/digital-forensics>

You can also register by finding your desired course in our training catalogue <https://academy.itu.int/index.php/training-courses/full-catalogue>

## Payment

### 1. On-line payment

A training fee of USD 500 per participant is applied for this training. Payments should be made via the online system using the link mentioned above for training registration at <https://academy.itu.int/index.php/training-courses/full-catalogue/digital-forensics>

### 2. Payment by bank transfer

Where it is not possible to make payment via the online system, select the option for offline payment to generate an invoice using the same link as above. Download the invoice to make a bank transfer to the ITU bank account shown below. Then send the proof of payment/copy of bank transfer slip and the invoice copy to Hcbmail@itu.int and copy the course coordinator. All bank transaction fees must be borne by the payer.

Failure to submit the above documents may result in the applicant not being registered for the training.

### 3. Group payment

**Institutional Contacts** are users that represent an organization. Any student can request to be an institutional contact or to belong to any existing organization.

To do this, head to your profile page by clicking on the **“My account”** button in the user menu. At the bottom of this page you should see two buttons:

- a. If you want to **become an institutional contact**, click on the **“Apply to be an Institutional Contact”** button. This will redirect you to a small form that will ask for the organization name. After you fill the name of the organization you want to represent, click on **“continue”** and a request will be created. An ITU Academy manager will manually review this request and accept or deny it accordingly.
- b. If you want to **belong to an existing organization**, click on the **“Request to belong to an Institutional Contact”** button. This will redirect you to a small form that will ask you to select the organization you want to join from an organization list. After you select the correct organization, click on **“continue”**, a request will then be created. The Institutional Contact that represents that organization will manually accept or deny your request to join the organization.

**ITU BANK ACCOUNT DETAILS:**

Name and Address of Bank:	UBS Switzerland AG Case postale 2600 CH 1211 Geneva 2 Switzerland
Beneficiary:	Union Internationale des Télécommunications
Account number:	240-C8108252.2 (USD)
Swift:	UBSWCHZH80A
IBAN	CH54 0024 0240 C810 8252 2
Amount:	USD 500
Payment Reference:	CoE-ARB 24272-WBS No. P.40592.1.09

**4. Other method of payment**

If due to national regulations, there are restrictions that do not allow the payment to be made using options 1 & 2 above, please contact the ITU Coordinator for further assistance.