



ITU Centres of Excellence Network for Arab Region

Smart Tunisian Technoparks (S2T)

Online Training Course on “Cyber Security Awareness & Forensics” 13-19 July 2020

COURSE OUTLINE

COURSE DESCRIPTION

Title	Cyber Security Awareness & Forensics
Method of delivery	Online
Objectives	This Cyber Security Awareness & Forensics training course aims to enhance participants' awareness on cyber security risks and forensics and data analysis gathering techniques.
Dates	13 July - 19 July 2020
Duration	7 Days
Registration deadline	03 July 2020
Training fees	150 USD
Course code	200I24279ARB-E

LEARNING OUTCOMES

This training will focus on the proper design of Cyber Security Awareness & Forensics. In addition, the training will cover the following items:

- ✓ Explain the core Information Assurance (IA) principles.
- ✓ Identify the key components of cyber security network architecture.
- ✓ Apply cyber security architecture principles.
- ✓ Describe risk management processes and practices.
- ✓ Identify security tools and hardening techniques.
- ✓ Distinguish system and application security threats and vulnerabilities.
- ✓ Describe different classes of attacks.
- ✓ Define types of incidents including categories, responses, and timelines for response.
- ✓ Describe new and emerging IT and IS technologies.
- ✓ Analyse threats and risks within context of the cyber security architecture.
- ✓ Appraise cyber security incidents to apply appropriate response.

TARGET POPULATION

This training targets engineers and technical staff from smart city project, regulators, policy makers, telecom operators, industry, and academia. Other institutions and individuals who are interested in building their capacity in the field of cyber security are also welcome to participate in this training program.

TUTORS/INSTRUCTORS

NAME OF TUTOR(S)/INSTRUCTOR(S)	CONTACT DETAILS
<p>Dr. Ryma Abassi is an Engineer, Assistant Professor at ISET'Com, and a Researcher at SUP'Com (Higher School of Communication of Tunis).</p> <p>She is delivering seminars in wide variety of subjects related to cybersecurity and IT networks at an international level with ITU (International Telecommunication Union).</p>	<p>ryma.abassi@edu.isetcom.tn</p>

EVALUATION

- I. Post Test.
- II. Case Study.
- III. Field work assignment.

TRAINING SCHEDULE AND CONTENTS / AGENDA

Date for 1 st day	Time; Start time	Topics/Activities
13/07/2020	09:00 - 12:00	Overview of Information Assurance: <ul style="list-style-type: none">– Information Security vs. Information Assurance– Cores principles– IA models– Tutored session
Date for 2 nd day	Time; Start time	Topics/Activities
14/07/2020	09:00 - 12:00	Challenging security issues: <ul style="list-style-type: none">– Social engineering– Data Loss Prevention– Privacy– Tutored session

Date for 3 rd day	Time; Start time	Topics/Activities
15/07/2020	09:00 - 12:00	Critical security awareness topics: <ul style="list-style-type: none"> – Introduction to Security Awareness – Phishing – Mobile security – Social networking security – Tutored session
Date for 4 th day	Time; Start time	Topics/Activities
16/07/2020	09:00 - 12:00	Risk Management : <ul style="list-style-type: none"> – RM lifecycle – Categories of risks – RM Methods – Risk Management Tools – Tutored session
Date for 5 th day	Time; Start time	Topics/Activities
17/07/2020	09:00 - 12:00	Digital Stenography: <ul style="list-style-type: none"> – Types of Steganography – Detecting Steganography: Steganalysis – Digital watermarking – Tutored session
Date for 6 th day	Time; Start time	Topics/Activities
18/07/2020	09:00 - 12:00	Incident Detection and Response: <ul style="list-style-type: none"> – Detection techniques – Response Methodology – SOC – Tutored session
Date for 7 th day	Time; Start time	Topics/Activities
19/07/2020	09:00 - 12:00	<ul style="list-style-type: none"> – Future trends: – Cyber security future trends map – Tutored session
	16:00 - 17:00	Test Evaluation

METHODOLOGY

The on-line program will include Instructor-led presentations, Case Studies, Group Exercises, and Quizzes.

COURSE COORDINATION

<u>Training Coordinator:</u> Mrs. Houda Jarraya Focal point at S2T Tel: + 216 71 856 073 Mobile: +216 97 879 228 / 28 300 878 Fax: +216 71 857 803 Email : houda.jarraya@s2t.tn houda.jarraya@gmail.com	<u>ITU Coordinator:</u> Eng. Mustafa Al Mahdi Programme Administrator Arab Regional Office-ITU Tel: +202 3537 1777 Mobile: +20114 117 75 73 Fax : +202 3537 1888 Email : mustafa-ahmed.al-mahdi@itu.int
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REGISTRATION AND PAYMENT

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/cyber-security-awareness-forensics-0>

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 150 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/cyber-security-awareness-forensics-0>

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 150
Payment Reference:	CoE-ARB 24279 - WBS No. P.40592.1.03

4. Other method of payment

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