

CCY4403 Cyber Threat Intelligence**COURSE INFORMATION**

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
CCY3002	4	7/8	2	2	--	3

COURSE AIM

To get the students to:

- Equip students with a deep understanding of cyber threat intelligence, focusing on the latest techniques and technologies in the field.
- Enable students to identify and utilize various sources of threat intelligence, including the creation of innovative cyber-threat intelligence platforms.
- Teach students how to apply analytics techniques to both traditional intelligence data feeds and hacker community datasets, such as Hacker Forums, IRC channels, and DarkNet marketplaces.
- Empower students to identify and collect intelligence feeds from diverse sources, including the Common Intelligence Model (CIF's), Trusted Automated eXchange of Intelligence Information (TAXII), and Security Information and Event Management (SIEM).
- Prepare students to contribute effectively to the field of cyber threat intelligence, addressing the evolving landscape of digital threats.

COURSE WEEKLY CONTENTS

- 1 Introduction to Cyber Threat Intelligence
- 2 Sources of Threat Intelligence
- 3 Creating a Cyber-Threat Intelligence Platform
- 4 Analytics Techniques for Traditional Intelligence Data Feeds
- 5 Analyzing Hacker Community Datasets
- 6 Identifying and Collecting Intelligence Feeds
- 7 7th Week Assessment
- 8 The Common Intelligence Model (CIF's)
- 9 Trusted Automated eXchange of Intelligence Information (TAXII)
- 10 Security Information and Event Management (SIEM)
- 11 Threat Indicators and Data Enrichment
- 12 12th Week Assessment
- 13 Threat Intelligence Sharing and Collaboration
- 14 Threat Intelligence in Incident Response
- 15 Emerging Trends in Cyber Threat Intelligence

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	←		30	MARKS		→	30
8 to 12	←		20	MARKS		→	20
1 to 15	←		10	MARKS		→	10
16 or 17			Final Exam				40

REFERENCES

Textbook Bob Stasio, Cyber Threat Intelligence, Wiley