



COURSE OUTLINE: CYBER OPERATIONS FAST TRACK (COFT)

OVERVIEW

You understand IT security but want to learn more about the cat and mouse game of cyber operations. **Cyber Operations Fast Track (COFT)** provides you with both theoretical and hands-on technical learning to ‘get your head around’ offensive and defensive cyber operations.

COFT is an abridged version of FIFTH DOMAIN ‘s more comprehensive OCO and DCO courses spread across 10 weeks of 3-hour classes. It is designed to make our training more accessible to people who may be interested in moving into a career in cyber operations but not sure what is involved. The course is fast-paced but will provide you with the foundation for further learning.

LEARNING OUTCOMES

Understand and apply core offensive and defensive cyber operations principles and techniques:

- Plan and execute simple computer network compromise operations against simple corporate networks.
- Design and deploy defensive technologies for the detection and investigation of network intrusions.

DELIVERY

COFT is delivered over ten weeks with weekly 3-hour evening classes. The course is delivered on-site at Fifth Domain’s training facility in the center of Canberra. Participants are required to BYOD laptop with wi-fi connectivity.

PREREQUISITES

Students need a good technical foundation with the ability to troubleshoot technical problems.

- Networking: Intermediate
- System administration: Basic
- Programming: Nil
- Data analysis: Basic

DATES

Wednesdays 1730 - 2030
1 March to 17 May 2017
(2 week break 5-12 April)

COST

Full-time students \$600
Early-bird (pay before 31 Jan) \$800
Regular \$1200

REGISTRATION

Please reserve your seat on the course by emailing:
courses@fifthdomain.com.au

Or by registering on-line at:

www.fifthdomain.com.au/courses/register

WHO ARE FIFTH DOMAIN?

Fifth Domain is a Canberra based cyber security training organisation with the mission of training technologists, analysts and technology consumers and users in cyber security. We understand that cyber security is a people problem, it requires a people solution. Founded by Matt Wilcox, who has a cyber operations background working in Defence, Fifth Domain has delivered training in the classroom and online to Australian universities and Federal Government.

Fifth Domain training is principles-centric, so technical learning is applicable to a wide spectrum of software and uses. Return on training investment is measurable through baseline and ongoing student assessments to build performance and ranking metrics. With our cloud-based delivery and simulation technologies, our cyber security training is more accessible and realistic than ever. We believe better learning comes from better training. We believe in 'safer through smarter'.

COURSE PROGRAM

COFT: CYBER OPERATIONS FAST TRACK

OFFENSIVE OPERATIONS (1-29 MARCH 2017)

WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
Offensive Cyber Tradecraft Taxonomy Networking Fundamentals Target Analysis	Open source and network reconnaissance Target exploitation and implant installation	Maintaining persistence and operation assurance Data exfiltration and propagating access	Individual challenge to compromise a single target machine	Team exercise to infiltrate a medium network and recover intelligence

DEFENSIVE OPERATIONS (19 APRIL - 17 MAY 2017)

WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
Theoretical foundations SOC capabilities – protection, collection & detection, analysis & reporting, response	Threat modeling Protection: hardening and obfuscation Collection: network & host	Detection: signatures and anomalies Analysis: verification and correlation Reporting	Individual challenge to defend a small network against an automated attack	Team exercise to defend a medium network against a determined actor

CONTACT

Fifth Domain 13 East Row, Canberra ACT 2601 | ABN 92 606 251 585 | T (02) 6045 9024 | courses@fifthdomain.com.au