

Introduction to the Digital Forensics Course - Dubai

F20FO/F21FO – Digital Forensics

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Teaching Staff

Dr Ryad Soobhany

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Office hours Monday 5.30pm to 6.30pm

- Book appointment via email



Research:

Multimedia Forensics, Information Security, Human AI Interaction

Etiquette in Lectures and Labs

- Respect your fellow students in sessions
- No eating and no open containers at work stations (if in lab)
- Try to be on time
- You can leave session at any time with minimal disturbance

Sessions Info

- Attendance is registered for all sessions
- Sessions
 - Start at the scheduled start time
 - End 10 minutes before the scheduled finish time
- Expect a comfort break if session lasts for more than 1 hour

What is this course about?

This course covers core topics to Digital Forensics

- Digital Evidence
- Forensic analysis tools & methodologies
- Computer security analysis and identify artefacts
- Practical experience of digital forensics

To understand these there are some core concepts you must also learn

Learning Outcomes

- Understand chain of custody process
 - Legal aspects
 - Handling of evidence
- Understand and perform **Digital Forensics** (DF) analysis
- Understand the **Incidence Response** (IR) workflow
- Use selected DF and IR tools
- Describe common OS and applications artefacts

Course Assessment

100% Coursework

- 20% Class test 1 (week 5)
- 20% Coursework 1 (due week 7)
- 20% Class test 2 (week 10)
- 40% Coursework 2 (due week 12)

When do we meet?

- We meet every **Monday** from 6.30pm to 10.00pm
- Sessions will be:
 - face-to-face on campus
- **Labs** start from **week 1**
- Primary mode of communication via Canvas & email:
 - Check your Heriot-Watt email **regularly** (at least once a day)
 - I do not respond to MS Teams messages from students

Course Delivery

- **Lectures** from
 - 6.30pm to 7.45pm in weeks 1-5
 - 7.30pm to 8.45pm in weeks 7-11 (TBC)
- **Labs** from
 - 8.00pm to 10.00pm in weeks 1-5
 - 9.00pm to 10.30pm in weeks 7-11 (TBC)
- Week 6 is consolidation week (no lecture/lab)
- Week 12 will be for coursework demos