

System Security

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Malware and **Embedded** Secure Systems Covert channels **Engineering** Countermeasures **Systems** Tamper resistant Zero-Day Exploits Ultrasonic sound Virtualization hardware Physically unclonable Side channel attacks Sandboxing Ransomware functions Containers and Trusted Platform Spyware & Timing Docker Scareware Module Intrusion detection **Trusted Boot** Power traces Cloud security systems Caches and Anomaly detection Internet of Things Mobile security co-tenancy

50% lab work and 50% written open book examination.