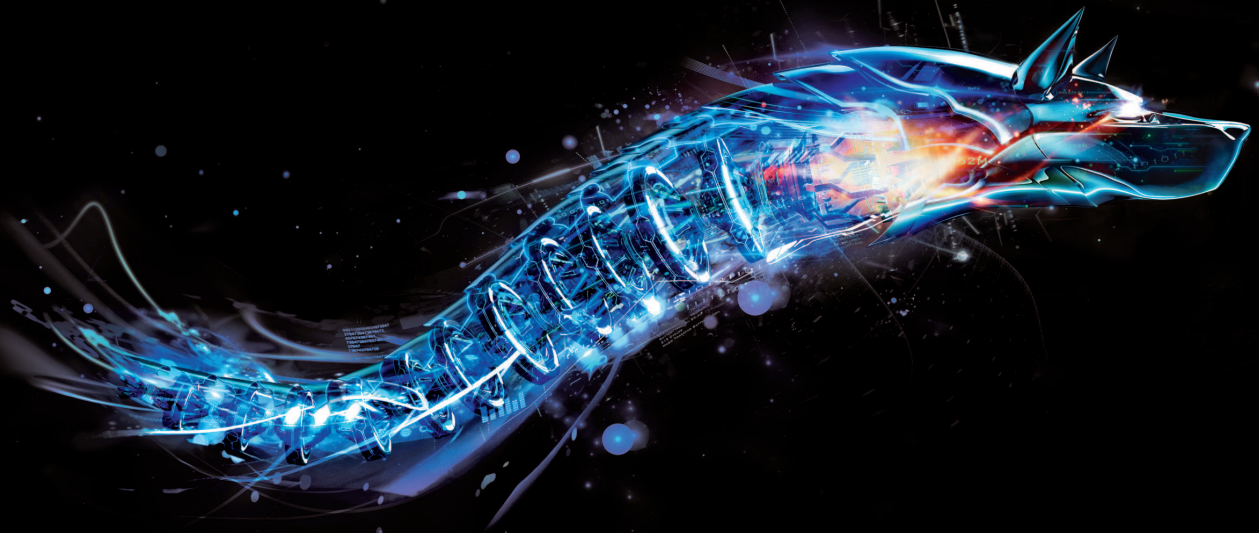


Bitdefender[®]



Course

Code: analysis, bugs, and security

In this course, we will discuss core issues related to binary code and their implications for developing analysis tools, detecting bugs, and improving security.

Study how binary **code is generated** by a compiler, how it **executes** and **interacts** with the operating system. **Discuss** how to **write robust** and **secure code** and understand how vulnerabilities can be exploited otherwise. **Learn** how to use tools for program analysis, **reverse engineering** and **error detection**, and gain a basic insight in how to counter malware.

The course is mainly targeted for undergraduate students but is accessible to anyone with computer science fundamentals and good programming knowledge.

**Marius MINEA, marius@cs.upt.ro
Sign up with an email of interest**