

University of Rome “Tor Vergata”

From zero to hero: Fundamental of programming with Javascript, Excel macros and VBA

The goal of this course is to give students the basics to understand what programming means. We we also go through the foundations of programming using Javascript language and finally we will work on some practical cases using VBA for Microsoft Excel.

Lesson	Date	Subjects	Room
Unit 01	09/11/2017 17-19	<ul style="list-style-type: none"> • Introduction to the course • What is programming? • What is programming language? • Flow Charts 	P4
Unit 02	10/11/2017 11-13	<ul style="list-style-type: none"> • Flow Charts 	P4
Unit 03	16/11/2017 17-19	<ul style="list-style-type: none"> • Core programming syntax • Variables and data types 	P4
Unit 04	17/11/2017 11-13	<ul style="list-style-type: none"> • Writing conditional code • Modular code • Iteration writing loops 	P4
Unit 05	23/11/2017 17-19	<ul style="list-style-type: none"> • More about strings • Collections • Programming style 	P4
Unit 06	24/11/2017 11-13	<ul style="list-style-type: none"> • Input and output • When things go wrong 	S10
Unit 07	30/11/2017 17-19	<ul style="list-style-type: none"> • Exploring the languages • VBA 	P4
Unit 08	01/12/2017 11-13	<ul style="list-style-type: none"> • What is VBA for Excel • Excel Macro • The basic 	P4
Unit 09	07/12/2017 17-19	<ul style="list-style-type: none"> • Managing the content of cells • Loop • Form 	P4
Unit 10	14/12/2017 17-19	<ul style="list-style-type: none"> • Working with dates • Control the user’s actions • Write a variable 	P4
Unit 11	15/12/2017 11-13	<ul style="list-style-type: none"> • TBA 	P4

All lessons will have a practice part so please bring your own computer. Be sure to have installed a program Excel 2013 or Excel 2016.

The exam will be taken in computer labs of the University With the program Microsoft Office 2013.

Pre-requisite to attend the course is to have at least the knowledge of Excel basic operations and functions.

Registration is available here:

https://docs.google.com/forms/d/e/1FAIpQLSfTQpHVwDeqfpmcrw0DXzR7STJq5rrJ7Tz5cLFPeoFxtJbKKg/viewform?usp=sf_link (deadline: **November 5**)