

**IS224: Visual Programming**

- Credit Hours (lecture, lab, tutorial): **3** (2 + 2 + 0)
- Prerequisites: CSC113.

**Course content:** This course consists of covering the main concepts and techniques used in visual programming languages. For a carefully selected visual programming language, the following topics are covered: the syntax and semantics of the language, data types, conditional statements, loops, data structures, modular programming, review of relevant Object Oriented concepts and methodologies, user interface design rules, materializing an interface as a set of visual objects, file types and structures, file applications, publishing an interface on the web, basic concepts of HCI (human computer interface), comparison between the selected language and other visual programming languages.