

IS444: The Modern Tools for Applications Development

- Credit Hours (lecture, lab, tutorial): **3** (2 + 2 + 0)
- Prerequisites: IS342.

Course content: The main objective of this course is to command the perfection of one of the modern development tools by developing an integral information system using one of the systems development methodologies supported by those tools. The system is developed through three main stages: Requirement engineering with what is it contains of data and processes models and system logic and prototyping, implementation, and documentation phases. Also, the course covers various used tools and its features, architecture, detailed components, the supported methodologies, usage ways and administration, its impact on administering information systems project, organization productivity and its ability to fulfill the fast changes in modern business environments, and the appraisalment of its strength and weakness.