

**IS324: Modern ways to Application Programming**

- Credit Hours (lecture, lab, tutorial): **3** (2 + 2 + 0)
- Prerequisites: IS224, IS240.

**Course content:** The modern programming trends and their usage in developing real applications that is needed for society organizations. Understanding and specifying the nature of problem that is processed, analyzing it, providing a technical conception to solve it, implementing the solution by using the specified programming tools, documenting and presenting it. The selected project varies from real live fields and especially the contemporary ones such as: Medical Information Systems field, E-Commerce field, Academic field...etc. The student is free to choose the programming language from the languages that have been studied (learning new language is not the goal of this course), but restraint him with the suitable style that is concurrent with the agreed upon theoretical boundary. During the course the student's talent is developed and the spirit of competition, creativity, the quality of work, good presentation is encouraged, that requires low number of student in each section. This course contains two or three large programming projects during the academic semester.