

CSCI441 – Assignment-1

Write a Python program that help the IT to manage the UMS of the university using Numpy, Pandas, Matplotlib...

The data should be saved into Excel or CSV files; we can use one file or more.

When the program starts the following menu should appear:

- Students
- Courses
- Registration
- Grades
- Reports

The menu Student should contain:

- Add, Update, Delete and Show all Students

The menu Courses should contain:

- Add, Update, Delete and Show all Courses

The menu Registration should contain:

- Add/Drop courses for students
- Show the registered courses for a student
- Show the registered student for a course

The menu Grades should contain:

- Insert, Update, Delete and Show a grade for a student

Only one grade for each student.

Using Matplotlib library, the menu Reports should contain:

- A chart showing the grades of a student
- The grades of a course in addition to the Passed/Failed/AW students
- A chart showing the average of each course
- A chart showing the number of students for each course.
- ...