Jordan University of Science and Technology
Faculty of Computer & Information Technology
Computer Engineering Department

CPE211 Scripting Languages Lab - JNQF Level: 7
First Semester 2024-2025

Course Catalog
1 Credit Hours. Programming using selected scripting languages.
Teaching Method: On Campus

Text Book	
Title	Starting Out with Python
Author(s)	Tony Gaddis
Edition	2nd Edition
Short Name	1
Other Information	

Instructor	
Name	**Mr. Mohammed Hammouri**
Office Location	C5 L2
Office Hours	
Email	hammori@just.edu.jo

Class Schedule & Room

Section 1:
  Lecture Time: Tue : 13:30 - 16:30
  Room: CPE06-M712

Section 2:
  Lecture Time: Wed : 13:30 - 16:30
  Room: CPE06-M712

Section 3:
  Lecture Time: Thu : 13:30 - 16:30
  Room: CPE06-M712

Prerequisites		
Line Number	**Course Name**	**Prerequisite Type**
1761120	SE112 Introduction To Object- Oriented Programming	Prerequisite / Study
821123	HSS112SE Introduction To Object- Oriented Programming	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Introduction to Python Programming	**Chapter 2** From **1**
Week 2	Decision and Repetition Structures	**Chapters 4 and 5** From **1**
Week 3	Functions	**Chapters 3 and 6** From **1**
Week 4	Lists and Tuples	**Chapter 8** From **1**
Week 5	Dictionaries, Serializing Objects, and Exceptions	**Chapters 7 and 10** From **1**
Week 6	Classes and Object Oriented Programming	**Chapter 11** From **1**
Week 7	Inheritance, Composition, and Polymorphism	**Chapter 12** From **1**
Week 8	Advanced Topics: installing Python packages and Excel Files	
Week 9	Advanced Topics: Python Regular Expressions	
Week 10	Advanced Topics: Pandas and Threads in Python	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Learn basic commands in the scripting environment and apply it in a systematic approach. [1SO1] [1L7K1]	30%	
Write scripts to automate performing different tasks that reflect system needs. [1SO4] [1L7C2]	30%	
Write scripts to manipulate data files for interpretation. [1SO6] [1L7S3]	40%	

Relationship to Program Student Outcomes (Out of 100%)																		
A	B	C	D	E	F	G	H	I	J	K	SO1	SO2	SO3	SO4	SO5	SO6	SO7
											30			30		40	

Relationship to NQF Outcomes (Out of 100%)		
L7K1	L7S3	L7C2
30	40	30

Evaluation	
Assessment Tool	Weight
Midterm exam	30%
Labworks	15%
Quizzes	15%
Final Exam	40%

Policy	
Attendance	Excellent attendance is expected. In accordance with university regulations, students missing more than 20% of total classes are subject to failure. No excuses will be accepted. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed. Attendance will be recorded at the beginning or end of each class.
Participation	You are expected to participate in class. Participation includes asking and answering questions, raising issues, and suggesting solutions to the discussed problems.
Exams	All exams will be CLOSE-BOOK.
Makeups	Makeup exam should not be given unless there is a valid excuse. Arrangements to take an exam at a time different than the one scheduled MUST be made prior to the scheduled exam time. In accordance with university regulations, students should bring a valid excuse authenticated through valid channels in JUST.
Workload	Average work-load student should expect to spend is 6 hours/week.
Code of Conduct	Quizzes and exams need to be done individually. Copying of another student's work, even if changes are subsequently made, is inappropriate, and such work will not be accepted. Cheating or copying from neighbor on exam is an illegal and unethical activity and standard JUST policy will be applied. All graded assignments must be your own work.

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