Part A and B Course Information | Learning Resource Information | Part A Snapshot

Important Information

Course Description

Python Programming Bootcamp introduces programming in a bootcamp style. This course covers algorithmic development using standard control structures, fundamental concepts of programming and creation of small to medium software applications. It will further extend your skills in testing and debugging programs, and in the use of appropriate software technologies.

The course is delivered through a combination of self-learning material and face-to-face workshop sessions. The key concepts are introduced to you using interactive materials. Workshops are intended to facilitate and guide the learning process.

This course is tightly linked to COSC3106/3107/3108 Python Programming Studio, which should be taken right after (within the same semester). Python Programming Studio offers an extensive opportunity to apply concepts and skills learnt in this course over a realistic programming project.

Pre-requisites, Co-requisites and Assumed Knowledge

None

Capabilities

Program Learning Outcomes

This course contributes to the program learning outcomes for the following program(s):

BP162P23 - Bachelor of Information Technology
BP349 - Bachelor of Information Technology (Professional)
BP355 - Bachelor of Cyber Security
BP356 - Bachelor of Cyber Security (Professional)
BP340P23 - Bachelor of Data Science
BP348 - Bachelor of Data Science (Professional)

PLO 1 Knowledge - Apply a broad and coherent set of knowledge and skills for developing data-driven solutions for contemporary societal challenges.
PLO 2 Problem Solving - Apply systematic problem solving and decision-making methodologies to identify, design and implement data-driven solutions to real world problems, demonstrating the ability to work independently to self-manage processes and projects
PLO 6 Responsibility and Accountability - Demonstrate integrity, ethical conduct