



Introduction to Computer Programming

ACCA4020

Dr. Seena Joseph



Introduction to Computer Programming - ACCA4020

- Lecturer: Dr. Seena Joseph
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- Current Timetable

Monday : 13H00 to 15H00 at IQ111

Tuesday : 16H00 to 18H00 at IQ110

Module content

- **Introduction to Programming [Week 1: Lecture 1]**
 - Introduction
 - Algorithm
 - Flowchart
- **Introduction to Programming Class activity [Week 1: Lectures 2]**
 - Class activities
 - Introduction to Python
 - Quiz
- **Variables, constants and data types [Week 2: Lecture 3]**
 - Variables
 - Constants
 - Data types
- **Variables, constants and data types[Week 2: Lecture 4]**
 - Practical activities
 - Quiz
- **Arithmetic and Logical operators [Week 3: Lecture 5]**
 - Basic mathematical operators
 - Mathematical functions
 - Logical operators
- **Arithmetic and Logical operators Practical[Week 3: Lecture 6]**
 - Arithmetic and Logical operators practical
 - Quiz

Module content

- **Decision-making statements [Week 4: Lecture 7]**
 - If statements
 - Logical operators
- **Decision-making practical [Week 4: Lecture 8]**
 - Practical activities
 - Quiz
- **String handling [Week 5: Lecture 9]**
 - String concatenation
 - String methods
- **String handling practical [Week 5: Lecture 10]**
 - String manipulation practical activities]
 - Quiz
- **Reading Week [Week 6]**

Module content

- **Looping [Week 7: Lectures 11 and 12]**
 - Types of Loops
 - Controls statements in loops
 - Nested Loops
- **Looping practical [Week 8: Lectures 13 and 14]**
 - Practical activities
 - Quiz
- **Error handling and debugging [Week 9: Lecture 15]**
 - Types of Errors
 - Error handling
- **Error handling and debugging practical [Week 9: Lecture 16]**
 - Practical activities
 - Quiz
- **Optimization [Week 9: Lecture 17]**
- **Revision [Week 10]**
- **Preparation for the assessment [Week 11]**

Lecture Schedule

Date	Topic
Week of Jan 26 th	• Introduction to Programming , Algorithm and Flow chart [Lecture 1] • Class Activities [Lecture 2]
Week of Feb 2 rd	• Variables, constants and data types [Lecture 3] • Practical activities [Lecture 4]
Week of Feb 9 th	• Arithmetic and Logical operators [Lecture 5] • Practical activities [Lecture 6]
Week of Feb 16 th	• Decision-making statements [Lecture 7] • Practical activities [Lecture 8]
Week of Feb 23 rd	• String handling [Lecture 9] • Practical activities [Lecture 10]
Week of Mar 2 nd	Reading Week
Week of Mar 9 th	• Looping [Lecture 11] • Practical activities [Lecture 12]
Week of Mar 16 th	• Looping [Lecture 13] • Practical activities [Lecture 14]
Week of Mar 23 rd	• Error handling and debugging [Week 9: Lecture 15] • Practical Activities [Week 9: Lecture 16]
Week of Apr 20 th	• Optimization [Lecture 17]
Week of Apr 27 th	• Revision/Preparation for the assessment
Week of May 4 th	• Assessment

Assessment Schedule

Assessment	Date
Course work	Week of May 4 th 2026