

# Orientation Lecture

Dr. Hamada I. AbdulWakel

**Lecture 0**



# Introduction to Programming

Prepared by  
**Dr. Hamada I. AbdulWakel**

[www.midocean.edu.km](http://www.midocean.edu.km)

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# WHO AM I?

Name

- Hamada Ibrahim AbdulWakel

B.Sc. degree

- Faculty of Computers and Information, Minia University, Minia, Egypt.

M.Sc. degree

- In Computer Science from Faculty of Computers and Artificial Intelligence, Cairo University.
- Semantic web & Social networking.

## WHO AM I?

### Ph.D. degrees

- In Computer Science from Faculty of Computers and Artificial Intelligence, Cairo University.
- Internet of Things.

### Jobs

- Lecturer at Faculty of Computers & Information, Minia University, Minia, Egypt.
- Lecturer at Midocean university.

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## YOUR TURN



## COURSE DETAILS

### Course name

- Programming Foundations In Python – CYB550.
- Introduction to Programming – IT121.

### University

- Midocean University.

### Departments

- Cybersecurity.
- Information Technology.

## COURSE CONTACT

- Via the sis platform.



MIDOCEAN  
UNIVERSITY

أهلاً في خدمات ميدأوشن

### تسجيل الدخول

البريد الإلكتروني

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☐ تذكرني

تسجيل الدخول

نسيت كلمة المرور

## COURSE MATERIALS

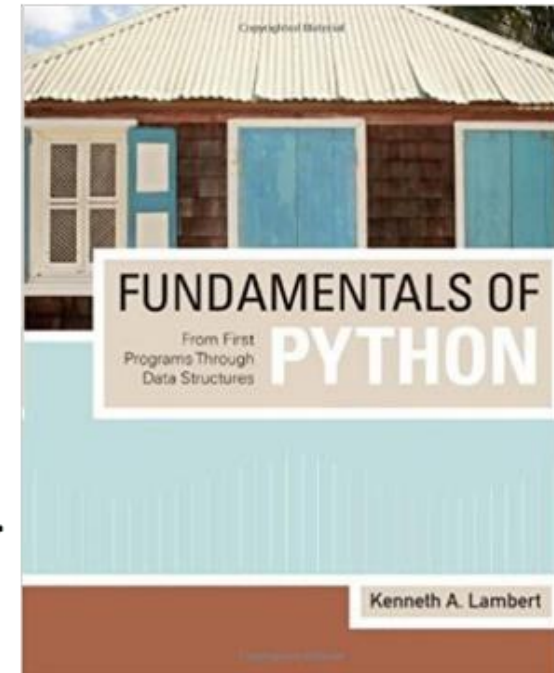
- The main materials:



**"Fundamentals of Python From First Programs Through Data Structures", by Kenneth A. Lambert**



Recorded lectures available on course Moodle page.



## LEARNING OBJECTIVES

- What you'll learn?
  -  New programming language "Python".
  -  Problem-solving techniques.
  -  Application development and prototyping.
  -  Best practice in software development.

## COURSE TOPICS

- The course content:



Introduction to computer programming and "Python" language.



Data types and the basics input/output operations.



The conditional and looping instructions.



Data processing using Lists and Dictionaries.

## COURSE TOPICS

- The course content:



Functions and modules in "Python" language.



File in "Python" language.



The Object-Oriented Programming (OOP).



The graphical user interface (GUI).

## COURSE ASSESSMENT

| الأعمال                                                      | توزيع الدرجات - 100%                     |
|--------------------------------------------------------------|------------------------------------------|
| محاضرة مسجلة أسبوعيًا-<br>السبت من كل أسبوع                  | حضور المحاضرة - حل الأسئلة<br>المصاحبة   |
| اختبار قصير مصاحب للمحاضرة<br>بشكل أسبوعي                    | 8 درجات لكل اختبار قصير -<br>بمجموع 80 % |
| حلقة نقاش افتراضية أسبوعية<br>لمناقشة محتوى المحاضرة المسجلة | الحضور اختياري                           |
| الاختبار النهائي                                             | 20%                                      |

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## COURSE ACADEMIC CALENDAR

|               |                                 |           |
|---------------|---------------------------------|-----------|
| الأسبوع 1     | محاضرة توجيحية<br>- اختبار قصير | حلقة نقاش |
| الأسبوع 2     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 3     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 4     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 5     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 6     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 7     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 8     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 9     | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 10    | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 11    | محاضرة -<br>اختبار قصير         | حلقة نقاش |
| الأسبوع 12    | حلقة نقاش                       |           |
| الأسبوع 13    | بداية الاختبارات النهائية       |           |
| نهاية الدراسة | نهاية الاختبارات النهائية       |           |

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## COURSE EXAMS

- Exam rules:



All exam password is **agree**.



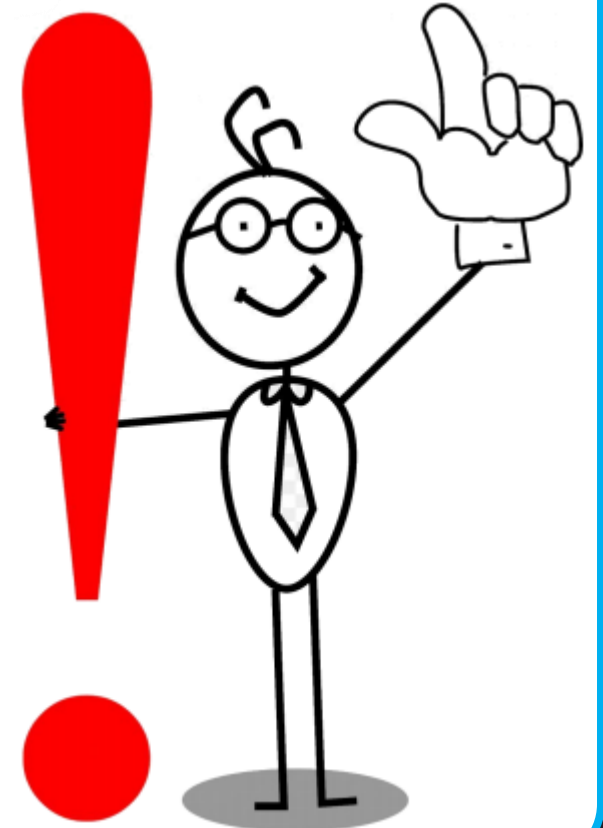
Each exam includes **eight** questions.



You have **only one-try** for each exam.



Each exam duration is **24 minutes**.



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## COURSE EXAMS

- Exam rules:



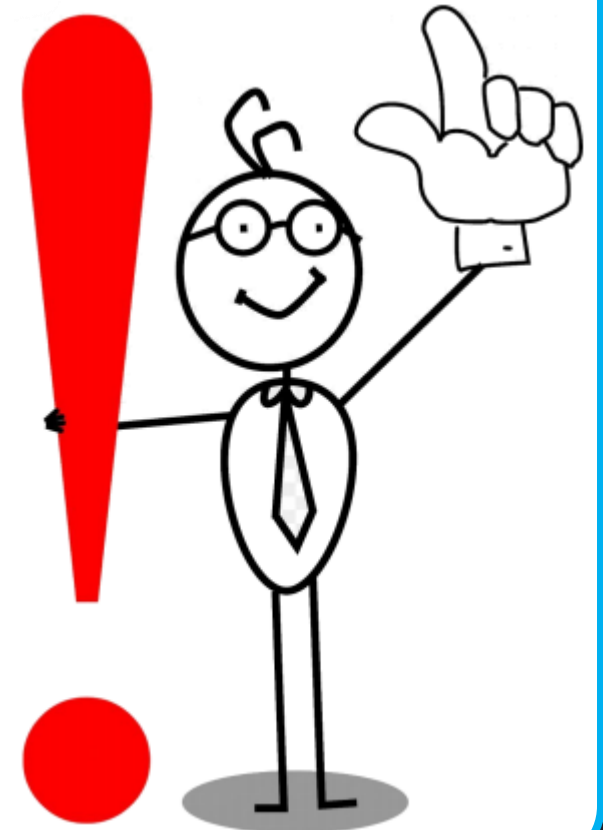
You **must sure** of your question answer before going to the next question.



Each exam begins on **Saturday 10:00 PM** to **next Saturday 9:00PM**.



Each exam has different **question types**.



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## EXAM QUESTION TYPES

### Question 1

Not yet answered

Marked out of 1.00

Does this course contain practical work?

- ☐ True
- ☐ False

### Question 1

Not yet answered

Marked out of 1.00

What is the name of the course?

- ☐ a. Programming Foundations In Python
- ☐ b. Programming Foundations In C#
- ☐ c. Programming Foundations In C++
- ☐ d. Programming Foundations In Java

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## EXAM QUESTION TYPES

Cont'd

### Question 1

Not yet answered

Marked out of 1.00

2023 2022 2021 2024

The course semester is

## EXAM QUESTION TYPES

Cont'd

### Question 1

Not yet answered

Marked out of 1.00

This course will be taught for  students.

PhD

Master

PostPhD

Bachelor

## EXAM QUESTION TYPES

Cont'd

### Question 1

Not yet answered

Marked out of 1.00

The name of the university teaching the course is

- Electronic university
- ESU university
- Online university
- Midocean university

## EXAM QUESTION TYPES

Cont'd

### Question 1

Not yet answered

Marked out of 1.00

Match the following with the correct one.

Midocean

Choose...



Cybersecurity

Choose...



Year

Choose...



## EXAM QUESTION TYPES

Cont'd

### Question 1

Not yet answered

Marked out of 1.00



☐ True

☐ False

بالتوفيق  
ان شاء الله





Thank You

