

Orientation Lecture

Dr. Hamada I. AbdulWakel

Lecture 0





مجموعة جامعة
الجميع الذكية
للتعليم القابضة

MIDOCEAN
UNIVERSITY
BY EVERYONE'S SMART UNIVERSITY

Network Programming in Python

Prepared by
Dr. Hamada I. AbdulWakel

www.midocean.ae



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طبيعي

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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.



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WHO AM I?

Cont'd

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



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COURSE DETAILS

Course name

- Network Programming – CYB615.

University

- Midocean University.

Department unit

- Cybersceurity.



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COURSE CONTACT

- Via the sis platform.
- Via Midocean university email:
 - hamada@midocean.ae
 - Subject:
"Network Programming Course: Question"
 - If problem:
 - The message must include **student ID**.



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COURSE MATERIALS

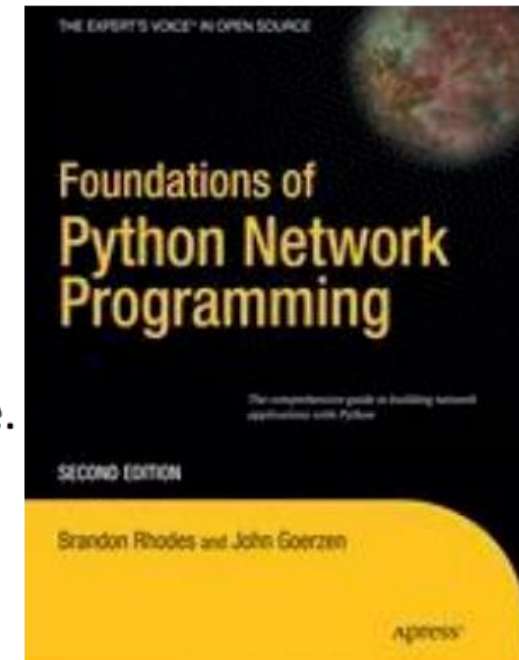
- The main materials:



"[Foundations of Python Network Programming](#)",
by Brandon Rhodes and John Goerzen



Recorded lectures available on course Moodle page.



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LEARNING OBJECTIVES

- What you'll learn?
 - ✓ Network and programming.
 - ✓ Using "Python" to program network applications.
 - ✓ The use of TCP, UDP, and IP networks and interfaces in programming.
 - ✓ Using sockets programming.



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COURSE TOPICS

- The course content:



Introduction to networks.



Introduction to network basic programming in python.



TCP and UDP applications programming.



Sockets and DNS programming.



Network error handling.



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COURSE ASSESSMENT

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



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COURSE ACADEMIC CALENDAR

الأسبوع 1	محاضرة توجيحية - اختبار قصير	حلقة نقاش
الأسبوع 2	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 3	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 4	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 5	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 6	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 7	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 8	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 9	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 10	محاضرة - اختبار قصير	حلقة نقاش
الأسبوع 11	محاضرة - 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**.



COURSE EXAMS

Cont'd

- Exam rules:



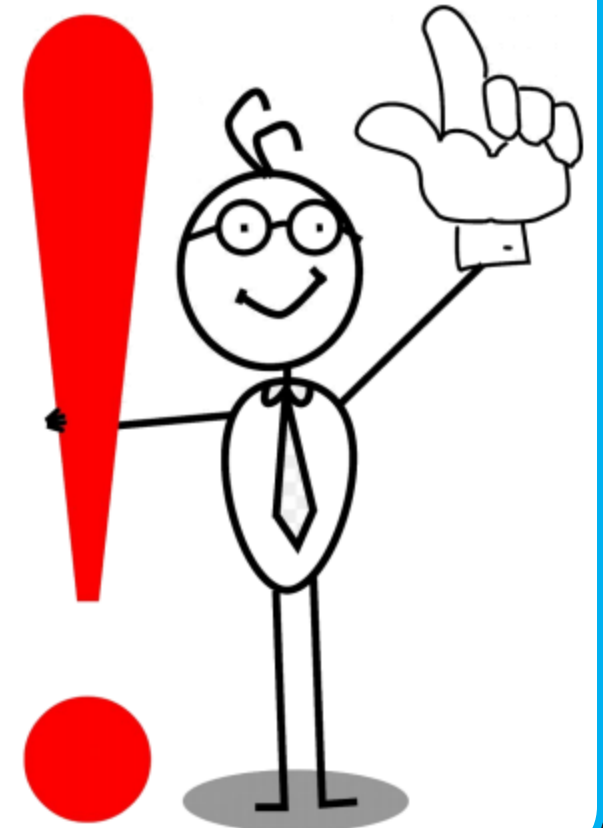
You **must sure** of your question answer before going to the next question.



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. Network Programming with Java
- ☐ b. Network Programming with C++
- ☐ c. Network Programming with Python
- ☐ d. Network Programming with C#



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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



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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...



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EXAM QUESTION TYPES

Cont'd

Question 1

Not yet answered

Marked out of 1.00



☐ True

☐ False





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Thank You

