

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.

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.



The screenshot shows the login interface of Midocean University. On the left, the university's logo is displayed above the text 'أهلاً في خدمات ميدأوشن' (Welcome to Midocean Services). On the right, the title 'تسجيل الدخول' (Login) is at the top. Below it are two input fields: the first is labeled 'البريد الإلكتروني' (Email) and the second is labeled 'كلمة المرور' (Password). There is a checkbox labeled 'الذكري' (Remember me) below the password field. A black button with the text 'تسجيل الدخول' (Login) is positioned below the inputs. At the bottom right, there is a link that says 'نسيت كلمة المرور' (Forgot password).

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COURSE MATERIALS

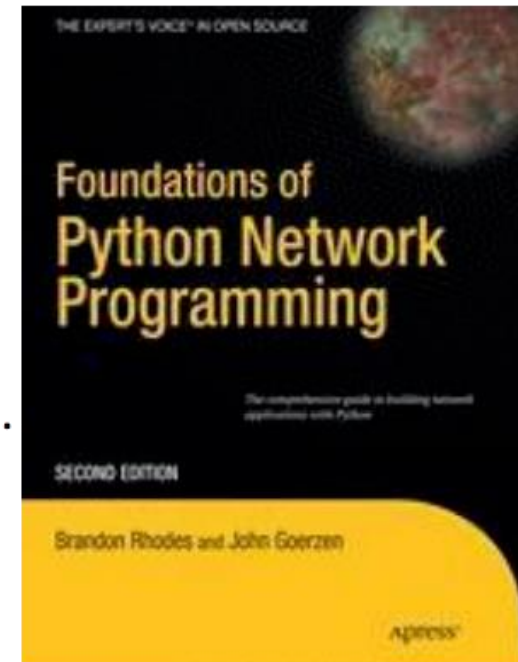
- The main materials:



"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

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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

