

Introduction to Information Technology

Bachelor of Science in Information Technology

Orientation show

عرض توجيہی

Dr. Eng. : Hesham Abou Elfetouh Salman

Lecture 0 - Overview



مجموعة جامعة
الجميع الذكية
للتعليم القابضة

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بسم الله الرحمن الرحيم

اللهم صلي و سلم و بارك على اشرف المرسلين سيدنا محمد و على آله وأصحابه أفضل التسليم

يسعدني أن أرحب بكم ترحيبا خاصا في مستهل هذا الفصل الدراسي الجديد، الذي نتطلع فيه إلى المزيد من العمل المثمر والجاد من أجل بلوغ الأهداف التي إجتمعنا من أجلها في هذا الصرح العلمي العظيم، راجيا من الله العلي القدير أن يوفقنا جميعا لتأدية مهامنا الأكاديمية والإدارية والتربوية على الوجه الذي يحبه و يرضاه.

كل عام وأنتم بخير



• **Dr. Eng. : Hesham Abou Elfetouh Salman**

- **Doctor of Philosophy Ph.D.** , Department Of Computer Systems, Faculty Of Computer & Information Sciences, Ain Shams University.
- **Master Degree** of Computer Engineering, Engineering faculty of Ain shams university
- **Diploma In Information Systems Management**, Fort Gordon -Georgia - USA
- **B. S. c:** Bachelor of Computer Engineering , Military technical College.

Work Experiences

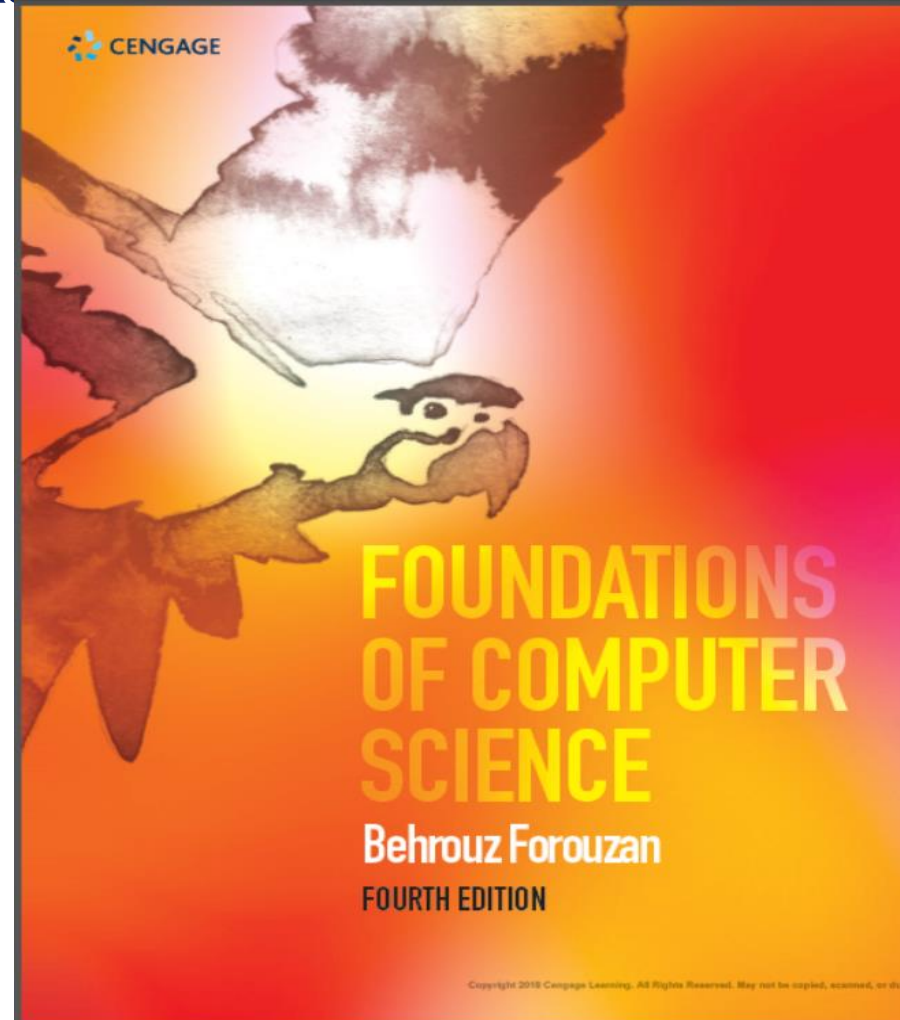
- Higher Institute for Computers & Information Technology, Management Information system Dep. ElShorouk, Cairo, Egypt.
- Faculty of Computing and Information Technology, Information System Department, King Abdulaziz University.
- General Manager of the Technology Competency Centre, Ministry of Commerce and Industry, Cairo, Egypt.
- I have about 41 years of experience in the fields of network engineering, Data Base Centres and programming applications.
- I have publications in the area of networks, data mining, wire and mobile networks planning and network security.

- By email at hesham.salman@esu.ac.ae
(please include “**Introduction to Information Technology**” in subject line)

❖ Office hours

- Discussion Time (Wednesday at 8:00 PM) every Week

The course that will be
taught



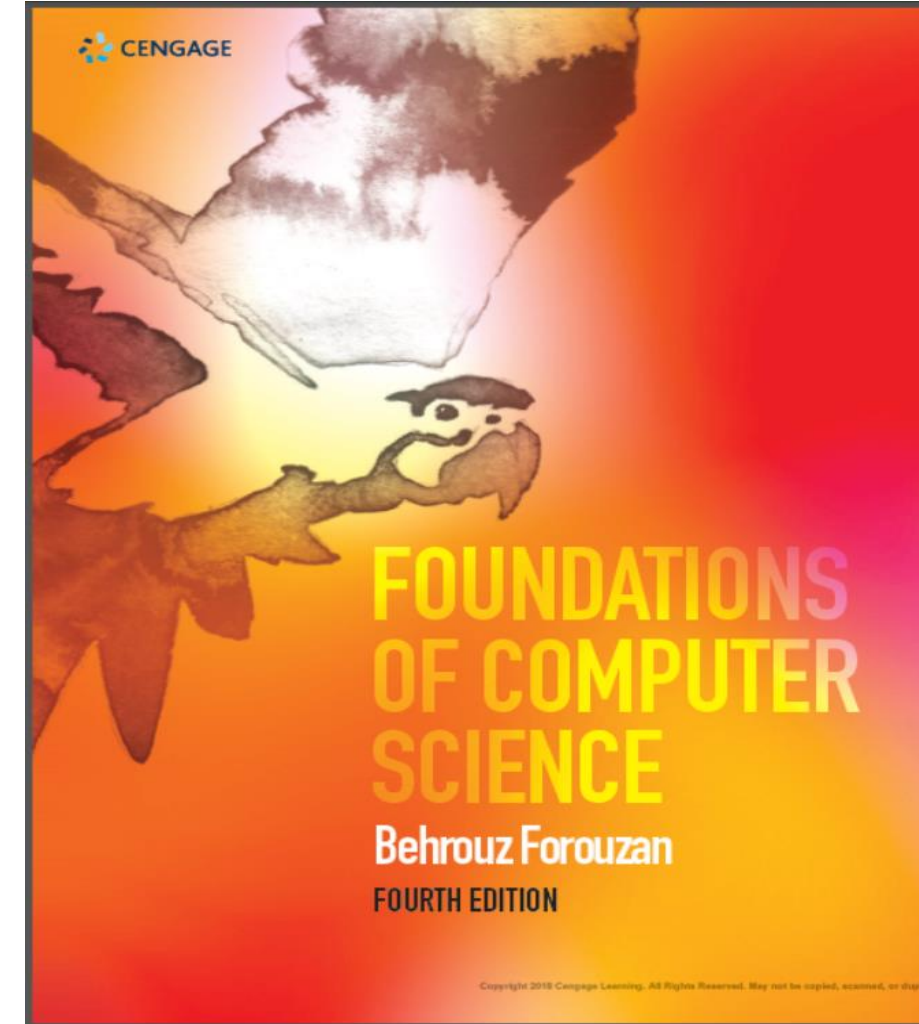
Learning Resources:

➤ **Credit Hours:** 3 credit hours.

➤ **Required Textbook :**

**Foundations of Computer Science,
4th Edition**

Behrouz Forouzan



Description of the course:

This course contains an introduction to information technology and computing systems. This course is intended to introduce the discipline of computing, computer systems, number systems, data representation, basic computer organization, operating system functionality, basics of networking and Internet. This course also provides an overview of database systems, models, software engineering methodologies and programming languages.

Learning Outcomes

Upon successful completion of this course, students should be able to:

1. Identify the historical development of computer science and technologies and their applications.
2. Distinguish and converting between different number systems.
3. Describe how computer represent, manipulate different data types and how to communicate with peripheral devices.
4. Describe the basic structures and functional components of computer hardware.

Learning Outcomes

5. Describe basic operating systems functions and how they do it.
6. Compare different operating systems.
7. Describe constructions and operation of computer networks, applications of networks, Internet.
8. Identify the basics of software engineering discipline and software life cycle.
9. Compare different software engineering methodologies.
10. Recognize the commonality and diversity among programming languages and their associated methodologies.

➤ Assessment Method:

• Short Exam

- 80% marks
 - Count of short Exam 10 (Weekly)
 - 8 Marks for every each of short Exam.
- 20% Final Examination



الفترة الزمنية التعليمية في
الفصل الدراسي مدتها
١٣ أسبوع
(منهم أسبوع للاختبار
النهائي)

