SANTA CLARA UNIVERSITY
COMPUTER ENINEERING DEPARTMENT

COEN 233   **Computer Networks**   **Fall 2020**

Office Hours: After the class

Email: km_university@yahoo.com

Dr. Keyvan Moataghed

1. Course Objectives: This course will cover:

➢ Computer communication networks for LAN (Local Area Network), MAN (Metropolitan Area Network)
➢ The computer networks reference Model IOS OSI
➢ Physical layer, data link layer, media access control, routing in the IP network
➢ Transport layers TCP and UDP, and the applications.
➢ Security in the network
➢ Ethernet and TCP/IP protocol.

3. Text and Reference Books:
Text Book:

1. Computer Networks (Fifth Edition) by Tanenbaum and Wetherall.
   ISBN 978-0132126953

Reference Books:

1. Data and Computer Communications (Tenth Edition), by William Stallings.
   ISBN: 0-13-243310-9, ISBN-13: 978-0-13-243310-5

2. TCP/IP Illustrated Richard Stevens (Volume 1, 2, 3)
   ISBN-13: 978-0201733467

Grade calculation:

Programming assignments	25%
Research Project	25%
Midterm exam	25%
Final exam	25%
	100%

<u>Programming Assignments:</u>
There will be two programming assignments in C language.
The grading will be evaluated based on correctness, design and structure. The test methodology and results must be documented. The programming weights 25% of the overall grade.

<u>Research Project:</u>
Each student should work on a research project; the project is focusing on the most recent subjects of computer networks and consists of 20 pages. The project weights 25% of the overall grade.

<u>Exams:</u>
Two closed book/notes exams will be given, with each weighted at 25% of the overall grade.

<u>Note 1</u>: In order to receive a PASSING GRADE from this course one must:
    a) Work on a project.
    b) Receive passing grades from written test exams.

<u>Note 2:</u> No makeup exams will be given.