(NET 301)

Local Area Networks Technologies

Section 1362

1438H - 1439H

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| **Website/Email** | **Instructor Office** | **Instructor** |
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 **Course Description**

This course aim to:

* Identify the networking Standards and the OSI model and Technology Types
* Design TCP/IP Network and Sub netting.
* Use Protocols and Services
* Compare Networking Media
* Design of Physical and Logical Topologies
* Use the Networking Hardware
* Design The Ethernet technology, Fast Ethernet and Gigabit Ethernet and Wireless LANs
* Measure the Network Performance
* Securing the computer Network Security

**Grade Distribution**

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| Research Project | 7 Dec | 10 |
| Quizzes  | 15 Oct - 19 Nov | 10 |
| Med1 | 5 Nov | 20 |
| Med 2 | 3 Dec | 20 |
| Final Examination |  | 40 |

**Course Materials:**

* *Class notes.*
* *Local and Metropolitan Area Networks, Pearson , William Stallings, 2008*
* *Local Area Networks, McGraw-Hill, Behrouz A. Forouzan, 2003*

**Course Rules:**

1. Please check the instructor's **website** for course material and announcements and Don’t forget to update your phone number in edugate and your academic email
2. Attendance is very important, if you miss class more than **25%** you are not allowed to enter the final exam.
3. Late attendance is not considered. You may attend but you’re considered absent.
4. Copied project will be marked by zero.
5. Late project will not be accepted.
6. Midterms and quizzes attendance is very important. You cannot be excused unless the instructor accepts your formal medical report.
7. If you absent for medication or other mitigation reason, you must provide documentary evidence in the next lecturer to justify your absence.
8. You must provide documentary evidence within 72 hours after the exam period to justify your absence.
9. If your absent does not meet the stated criteria, you will be given a zero for the exam.
10. Otherwise, your absence will be deemed a good cause and you will be automatically re-enterd to set the missed examination at the end of the semester in the whole course.