(NET 301)

Local Area Networks Technologies

Section 1362

1436H - 1437H

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| **Website/Email** | **Instructor Office** | **Office Hours** | **Lecture time/Location** | **Instructor** |
| Email:  [alashwag@ksu.edu.sa](mailto:alashwag@ksu.edu.sa)  Website:  http://fac.ksu.edu.sa/alashwag | Building 26 First Floor Office no. 3 | Monday  11 – 11:50  Tuesday  10 – 11:30 | **Monday**  9 – 10:50  **Thursday**  9 – 9:50  Building 2, Floor 2, Classroom 321  **Thursday**  10 – 10:50  Building 2, Floor 3, Classroom 423 | Ashwaq Alabduljabbar |

**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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| group work |  | 10 |
| Quizzes |  | 10 |
| Med1 | 7th week | 20 |
| Med 2 | 14th week | 20 |
| Final Examination | 17th week | 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.
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 are considered absent.
4. Midterms and quizzes attendance is very important. You cannot be excused unless the instructor accepts your formal medical report.
5. This course requires constant studding if you have any questions don’t hesitate to come and ask me at any time.
6. Mobile is restrictedly prohibited during lecture time.