

**Veri İletişimi**  
***(Data Communication)***  
**Fall 2019-2020**

# Details

- **Day and hour:**  
Monday, 09:30-12:30
- **Classroom:**  
D 111(K.ADALI)/ D 012 (V. HAKKOYMAZ)
- **Course webpage:**  
Avesis link: <https://avesis.yildiz.edu.tr/adalik/dokumanlar>  
Web: <http://www.bm.yildiz.edu.tr/duyurular/1#>
- **Instructors:**
  - Tech. Assist. Kübra ADALI  
D210  
Email: [adalik@yildiz.edu.tr](mailto:adalik@yildiz.edu.tr), [kubraadali@gmail.com](mailto:kubraadali@gmail.com)  
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  - Assoc. Prof. Dr. Veli Hakkoymaz  
D220  
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Web: <https://avesis.yildiz.edu.tr/vhkoymaz/dokumanlar>

# Grading Plan

- 2 Midterms: 1.Midterm=%30,  
2.Midterm= %30
- Final: %40

- **Attendance Condition: % 70 attendance is obligatory...**

# Lecture Syllabus

Week	Date	Subject/Topic
1	16.09.2019	General Info, Introduction
2	23.09.2019	OSI, Basic Issues of Physical Layer
3	30.09.2019	Modulation Techniques, Encoding
4	7.10.2019	Modulation Techniques, Encoding
5	14.10.2019	Introduction to Data Link Layer, HDLC, PPP
6	21.10.2019	Data Link Layer2 : (ARP Protokol, Error detection)
7	28.10.2019	Data Link Layer3 : (Error detection, Error Correction)
8	4.11.2019	Data Link Layer4 : (Error Correction, Flow Control)
9	7.11.2019	Midterm
10	14.11.2019	Flow Control, Congestion, IEEE 802.4,5,11
11	21.11.2019	Connected Services and Switching -1
12	28.11.2019	Connected Services and Switching -2
13	5.12.2019	Midterm
14	12.12.2019	TCP/IP Model

# Sources for the lecture

## Books:

- *Computer Networks*, Andrew Tanenbaum, Pearson, 5<sup>th</sup> Edition, 2010.
- *Computer Networking, A Top-Down Approach Featuring the Internet*, James F. Kurose, Keith W. Ross, Pearson-Addison Wesley, 6<sup>th</sup> Edition, 2012.
- *Data and Computer Communications*, William Stallings, Pearson-Prentice Hall, 9<sup>th</sup> Edition, 2010.
- *TCP/IP Protocol Suite*, Behrouz A. Forouzan, McGraw Hill, 4<sup>th</sup> Edition, 2010.
- *Computer Networks and Internets*, Douglas E. Comer, Pearson Education, 5th Edition, 2008.

## Other sources:

- You can find lecture slides from Avesis web pages
- <http://scholar.google.com>
- <http://ieeexplore.ieee.org/>
- “Google!”