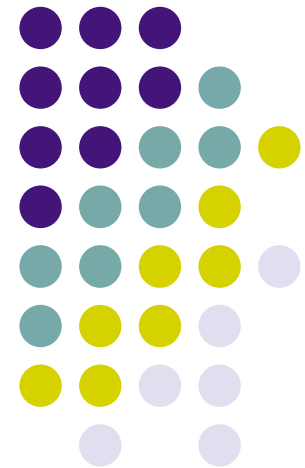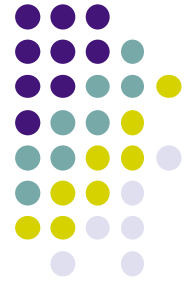# Computer Networks

Lecturer: Assoc.Prof.Trương Diệu Linh

Data Communication and Computer Network Department
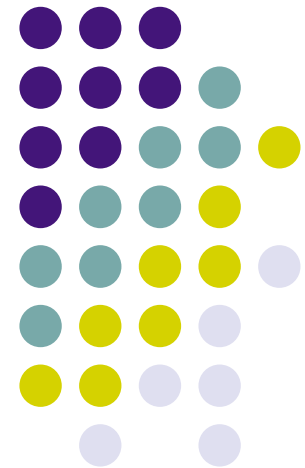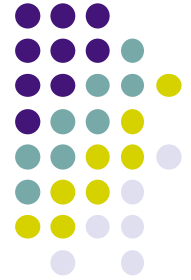
SoICT-HUST

About the course

- Lecturer:
  - Trương Thị Diệu Linh, Departement of Data Communication and Computer Networks, Khoa CNTT-ĐHBK HN
  - Office: 901-B1
  - Mail: linhtd@soict.hust.edu.vn
  - Website of the course: http://users.soict.hust.edu.vn/linhtd

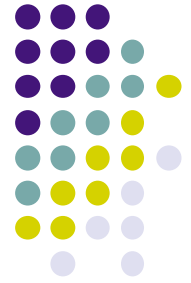- Some contents are taken from the lecture notes of other lecturers.

Introduction of the course

Objective of the course

- Provide students with basic knowledge of computer Networks

- Explain deeply about the modern network technologies mostly Internet.

- Utilise Internet efficacement. Capable to implement new technologies and services.

- Allows students to update easily knowledge about computer networks later.
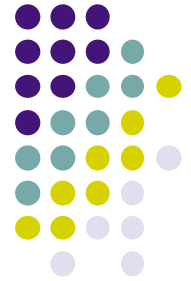
Course plan

1. Lecture 1   Introduction, data transmission model
2. Lecture 2   Signal modulation and terms in data transmission.
3. Lecture 3   Concept of computer networks.
4. Lecture 4   Physical layer
5. Lecture 5   Datalink layer
6. Lecture 6   Network layer- IP
7. Lecture 7   Routing – Routing protocols
8. Lecture 8   Transport layer
9. Lecture 9   Application layer
10. Lecture 10   LAN

Evaluation

- Midterm test   30%
- Final test   70%

Reference documents

- *Mạng máy tính và các hệ thống mở,* Nguyễn Thúc Hải, NXB Giáo Dục
- Andrew S. Tanenbaum. Computer Networks. Prentice Hall 2003
- Guy Pujole, Les réseaux