Introduction to Computing
12TL
sections I-II

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DEWSNet Group
Dependable Embedded Wired/Wireless Networks
Course Structure and Contact Info

www.muet.edu.pk/~shaikh/courses/

- Schedule
  - Timetable, check out!

- Exams
  - 2-3 mid exams (can be surprise :)
  - Home assignments
  - Presentations in class (voluntarily)
  - Final Exam

- Faisal K. Shaikh
  - faisal.shaikh@faculty.muet.edu.pk
  - Office Hours (TL125): by appointment
Syllabus & TTP

- Available from course website

- Three major areas
  - Introduction to Computers
  - Introduction to Software/OS
  - Programming Concepts
    - C++
Relevant Literature + Lecture Foils


  Books are available (in limited numbers!) from the library.

- *It’s not an end ;)* Internet is open for all and for me too 😊

- Slides are available on the lecture’s homepage
  - I will try to upload the foils shortly before / after the lecture.
Curiosity killed the cat...

- How many of you have your own computers?
- Will you bring it to MUET?
- How many of you feel comfortable with computers?
- OS?
- How many of you have used Microsoft Office before?
- Browsers?
- History of computers?
Brief Introductions

- Name
- Major
- Something you hope to gain from it
- Something you think is interesting about yourself (interests, hobbies, etc)
DEWSNet Related Areas

- Sensor node
  - Low processing & storage
  - Limited energy
  - Short range radio

- Mobile powerful node
  - High processing & storage
  - No energy concerns
  - Mobility - More capabilities

Application/user requirements on Dependability

Gateway

Network Infrastructure: i.e. Internet, WiFi, UMTS
Course Objectives

- Computer organization,
- Computer components,
- Programming principle
- Computer operating system
- Problem solving skills
Why do I care?

- Other class work easier
- Makes you more employable during summers and after graduation
- Skills transfer to other software
- Impresses your friends (unless of course, they have taken this course too)
**My promises to you...**

- I will treat you with respect
- I will be available for questions (after class, during office hours, and via **emails**)
- I will try to be engaging and helpful
- I will grade you fairly and objectively
University/Department Expectations

- Come to class on-time
- Turn in work on-time
- Do all work independently (except group work)
- Take responsibility for your own learning!
My Expectations

- Treat each other with respect
- Work hard
- Ask if you have questions!
When do you use a computer?

- Word Processing
- Web Surfing
- Instant Messaging/Email
- Music downloads/Games
Why do you use a computer?

- Word Processing
  - Improved communication
- Web Surfing
  - Knowledge acquisition
- Instant Messaging/Email
  - Community
- Music downloads/Games
  - Entertainment
What do you need in a computer?

- **Word Processing**
  - WYSIWYG
  - Attached to printer/Email

- **Web Surfing**
  - Network connection

- **Instant Messaging/Email**
  - Network connection

- **Music downloads/Games**
  - Network connection
  - Disk space
  - CD/ROM ?RW