Inf-1100
Innføring i programmering
og datamaskiners virkemåte

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If you

- Figure out how to represent a problem by a set of numbers.
- Figure out how to manipulate the numbers to solve the problem.
- Figure out how to express the manipulation as a series of steps that can be carried out by a computer.

then you are programming.

INF-1100 Goals

- Learn to write and read small programs.

- Develop basic understanding of how computers work and how they can be used to solve problems.

Course is aimed at students with no prior programming experience.

Administration

- Lectures (3 hours per week)
  - Thursday 1215-1300.
  - Friday 1015-1200.

- Colloquium (2 hours per week)
  - Help with problem sets.
  - Check timetable.

- Outside of class work (10 hours per week)
  - Working on problem sets. 4/6 mandatory (fail/approved).
  - Programming in C.

Important dates

- ► Mandatory problem sets.
    - ► 1: August 29 – September 5.
    - ► 2: September 12 – September 26.
    - ► 3: October 3 – October 24.
    - ► 4: October 31 – November 21.

- ► December 8: 4 hour written exam.
    - ► All mandatory problem sets must have been approved.

Introduction to Computing Systems
Yale N. Patt and Sanjay J. Patel

After *reading the above book, we recommend*

The C Programming Language
Brian W. Kernighan and Dennis M. Ritchie

The Practice of Programming
Brian W. Kernighan and Rob Pike

- Course information, lecture notes, handouts, etc., can be found in the INF-1100 Fronter room.
  - www.fronter.com/uit

- Use the Web.

- Ask other students for help.

- Colloquium hours next week set aside for an introduction course. Check the timetable for room locations.
  - UiT account (email, wireless, parking, etc.).
  - Lab account (computers in computer science building basement).
  - Fronter access.

- Use next week (August 25-29) for learning practical stuff and creating a plan.

Keys to success

- ▶ Plan.
  - ▶ What parts of the curriculum to read when. Monthly, weekly, and daily.
  - ▶ Note hand-in dates. Different courses may have hand-ins the same week!

- ▶ Stick to the plan.
  - ▶ Adjust only if absolutely needed.

- ▶ Meet goals.
  - ▶ Compensate for lack of daily progress later the same week.
  - ▶ Be prepared to work on Saturday/Sunday to meet goals.

Questions?