Course Introduction

" Contents Organization, Requirements, Grading, and Expectations"
Fundamentals of Objects Oriented programming

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Topics

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Course General Information

- Lecturer: Shakirullah Waseeb
- Credit Points: 3CP; 1CP= 70 min
- Prerequisite: Programming Concept, Structure Programming; data constructs (constants, variables, data types), operators, control structures, functions
- Type of Course: Intermediate
- Time: 2 Tuesday in a month, Wednesday and Thursday regularly

Objective

- Understand the concept of Object Oriented Programming (OOPs)
- Model the real world problems in OOPs
- Implement given OOPs Model using a programming language
- Identify and practice OOPs techniques

Main topics to be covered

- Introduction to Object Oriented Programming
- Dealing with classes and objects in a programming language
- Understanding Inheritance
- Operator Overloading
- Pointers overview, virtual functions and Abstract classes
- Using Files and Streams
- Introduction to templates and Exceptions

Teaching Methodologies and required tools

- Presentations (mostly 2 lectures a week)
- Group works, assignments, and presentations of students
- Lab work (1 class mostly a week)
- Using software tools(Integrated Development Environments tools (IDEs'), Software Development Kits (SDKs'))
  - Notepad++, Borland C++, Turbo C++ or other text editors and command line compilers

Grading and Examination

Each student will be graded on his/her individual commitment in the group, and exam papers.

- Indvidual commitment : 10%
- Group assignments and presentations : 10%
- Mid-Term Exam : 20%
- Final-Exam : 50%

My expectation from you

- Be punctual (be on time, submit assigned work on time)
- Be attentive in class (avoid daydreaming, dazing)
- Be synthetic, creative and presentative (stay away of copying others)
- Email me for an appointment regarding any issue in lessons
- Stop locating recommendations during exams (because it hurts a lot)

Your Turn: Time to hear from you!

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[1]`https://fensafitters.files.wordpress.com/2013/07/3d095.jpg`