

Course Introduction

" Contents Organization, Requirements, Grading, and Expectations"
Advanced Programming

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Topics

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Course General Information

- Lecturer: Shakirullah Waseeb
- Credit Points: 3CP; 1CP= 90 min
- Prerequisite: Object Oriented Programming; class, objects, polymorphisms, files and streams ,inheritance etc.
- Type of Course: Advance
- Time:



Objective

- To handle run-time errors and act accordingly
- Understand the benefits and usage of multithread programming
- Understanding GUI programming
- Intuition about event handling
- Able to persists user data in database using java-database-connectivity (JDBC) and other connectivity tools
- Able to write simple network applications using socket programming



Main topics to be covered

- Introduction to Java programming
- Introduction to Python programming
- Exception Handling
- Multithreading
- GUI
- Event Handling
- Java Database-connectivity
- Network Programming



Teaching Methodologies and required tools

- Presentations (mostly 2 lectures a week)
- Group Work, Assignments, and Presentations of students
- Lab work (1 class mostly a week)
- Using software tools(Integrated Development Environments tools (IDEs'), Software Development Kits (SDKs'), Browsers, Database Management Systems)
 - Eclipse, NetBeans, IntelliJ, other text editors and command line compilers
 - JDK, Python, .net Framework etc.
 - Firefox, Google chrome, Internet Explorer
 - MySQL, MSSQL server



Grading and Examination

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

- Group projects : 30%
- Mid-Term Exam : 20%
- Final-Exam : 50%



My expectation from you

- Culture coordination and team work
- Each of you must participate in class
- Each of you must have GitHub account
- Be punctual (presence in class on time, submit assigned work on time)
- Be attentive in class (avoid daydreaming, dazing)
- Be creative and present yourself (stay away from copying others)
- Email me for an appointment regarding any issue in lessons



Your Turn: Time to hear from you!



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¹<https://fensafitters.files.wordpress.com/2013/07/3d095.jpg>