



Open Source Software Development

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1. Class Policy

1. Class Policy

- No phone ring, no calling, no texting
- No gaming or chatting or other activities not related to the course
- **EIU Moodle**
Lessons, assignments and notice will be posted here
- Don't submit Assignments via Email if not requested
- **Late Submission** (only exercises and labs)
No late more than 01 day

1. Class Policy



Together

Everyone

Achieves

More

1. Class Policy

▪ Encourage to:

- Directly contact

- ✓ In class

- ✓ By appointments

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- Discuss

▪ Reference

- **All copy will lead to penalty (from classmates)**
- All references from the Internet should be cited

2. Course Evaluation

- **Progression score (P)** = Attendance + Discuss + Assignments
- **Midterm score (M)**: Written test + Practical test in 90'
- **Final score (F)**: Written test + Practical test in 90'
- **Final score** = 10% P + 30% M + 60% F
- **Not allowed to take the exam:**
Absence more than 20%



3. Course Introduction

3. Course Introduction

Requirements

Prerequisite course:

CSE 102 – Introduction to programming

Skills:

- Web programming
- Linux Operating System

3. Course Introduction

Description

This course consists of two main parts:

- Introduction to the open source software
- Exploiting and using the open source software:
 - Getting acquainted with some open source software
 - Comparing with ordinary software
 - Learning the basics of Linux kernel and Ubuntu operating system
 - Learning how to develop, modify, and deploy open source software

4. Course Objective

- Understand
 - What is open source, license, license review process
 - How to select a right license type for your software
- Be able to
 - Install and use some popular open source software
 - Analysis, develop and deploy open source software



5. References


- Open Source Initiative, **The Open Source Definition**, <https://opensource.org/docs/osd>
- Open Source Initiative, **Open Source Licenses by Category**, <https://opensource.org/licenses/category>
- Ubuntu, **Ubuntu Tutorials**, <https://ubuntu.com/tutorials>
- Git, **Git Documentation**, <https://git-scm.com/book/en/v2>
- Apache, **Apache HTTP Server Documentation**, <https://httpd.apache.org/docs/>
- MySQL, **MySQL 5.7 Reference Manual**, <https://dev.mysql.com/doc/refman/5.7/en/>
- PHP, **PHP Manual**, <https://www.php.net/manual/en/>
- WordPress, **WordPress Documentation**, https://codex.wordpress.org/Main_Page

6. Required Software

- Ubuntu 22.04 LTS (Server, Desktop or both) or later

You should use a virtual machine (VMware Workstation Pro, VirtualBox,...)

- Windows OS with the following software:
 - Text Editor: Sublime Text, Visual Studio Code,...
 - Xampp
 - FTP client (WinSCP, FileZilla,...) and PuTTY
 - GitHub Desktop



Q&A