



Open Source SW Development **(오픈소스SW 개발)** **CSE22300**

About the Course

- **[CSE22300] Open Source SW Development**
- **Instructor**
 - **Seongwook Jin, Dept. Of Computer Engineering and KIWIPLUS**
- **Textbook**
 - **Slides**
 - **Reference “Cathedral and Bazaar” by Eric Raymond**
- **Evaluation**
 - **Final Exam. 30%**
 - **Mid Exam. 30%**
 - **Experiments 30%**
 - **Attendance 10%**

About the Course

- **Course Webpage**
 - **KLAS**

About the Course

- **Course Schedule**

- **3/2** **Orientation**
- **3/9** **Introduction to Open Source SW**
- **3/16** **Introduction to Open Source SW**
- **3/23** **GIT**
- **3/30** **GIT**
- **4/6** **GIT**
- **4/13** **Github**
- **4/20** **Mid Term Exam.**
- **4/27** **Software Development Method and Tool**
- **5/4** **Software Development Method and Tool**
- **5/11** **Virtual Machin (Cloud)**
- **5/18** **Linux**
- **5/25** **Linux**
- **6/1** **VI and Shell programming**
- **6/8** **Reserved Class**
- **6/15** **Final Term Exam.**

Open Source

- **Proprietary Software**
 - Written by closed group
 - Released in binary form
 - Restrictive license

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Open Source

- **Open Source Software**
 - Source code is available to the public
 - Anyone to copy, modify and redistribute the source code
 - GNU/Linux, Eclipse, Apache, Mozilar
- **Pros**
 - Lower cost
 - Flexibility
 - Reliability and quality
 - No dependency
- **Cons**
 - Lack of personalized support
 - Restricted choice
 - Speed of change
 - No Warranty

GIT

- **Repository (aka “repo”): a location storing a copy of all files.**
 - you don't edit files directly in the repo;
 - you edit a local working copy or “working tree”
 - then you commit your edited files into the repo
- **There may be only one repository that all users share (CVS, Subversion)**
- **Or each user could also have their own copy of the repository (Git, Mercurial)**
- **Files in your working directory must be added to the repo in order to be tracked.**

Linux

- **It's a free operating system!**
- **Open Source (modifiability, extensibility, ...)**
- **Works on several platforms**
- **Robustness (after several revisions, and several people working on it)**
- **Widespread Usage**
- **Compatibility with several other platforms.**