

Open Source Software Practice [SWE2021]

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Instructor

- JinYeong Bak (jy.bak@skku.edu, hli.skku.edu)
- Leader @ Human Language Intelligence (HLI) Lab
- Research
 - Machine Learning
 - Natural Language Processing
- Education
 - Ph.D. @ KAIST, 2020 
 - BS @ SKKU, 2011 
- Employment
 - Junior Data Scientist, United Nations Pulse Lab, 2016 
 - Research Intern, Microsoft Research, 2013  | Research

Teaching Assistant

- YeongJun Hwang
- Ph.D. student @ Human Language Intelligence (HLI) Lab
- Research
 - Machine Learning
 - Natural Language Processing
 - Conversational AI
- Education
 - Ph.D. @ SKKU, 2024 ~
 - M.S. @ SKKU, 2021 ~
 - BS @ SKKU, 2021



Teaching Assistant

- Suhyun Han
- MS student @ Human Language Intelligence (HLI) Lab
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 - M.S. @ SKKU, 2024 ~
 - BS @ SKKU, 2024

Teaching Assistant

- Kyungdon Lee
- MS student @ Human Language Intelligence (HLI) Lab
- Research
 - Natural Language Processing
- Education
 - M.S. @ SKKU, 2024 ~
 - BS @ SKKU, 2024

Course Logistics

- Purpose
 - To learn the basics on open source software techniques
 - To practice the basics on open source programming techniques
- Time: Wednesday 18:00 – 20:30
- Course website: icampus.skku.edu
- Background assumed
 - C
 - Python
 - Linear Algebra
 - Probability

Course Policies

- Any violation of academic integrity will result in 'F' in the course
 - Copying/showing any part of reports
 - Copying/showing any part of exams
 - Use of banned resources (e.g., smartphones, smart watch) during the exam
 - Faking attendance
 - Helping anyone to fake attendance
- Academic integrity handbook: <https://integrity.mit.edu>

Course Schedule (Tentative)

Week	Topic
1	Introduction
2	VSC
3	No Class (National holiday) Python
4	No Class (National holiday)
5	Docker
6	No Class (National holiday) Markdown
7	Bash Programming
8	Git Basic

Course Schedule (Tentative)

Week	Topic
9	Git Advanced 1
10	Git Advanced 2
11	Open Source License
12	Personal Homepage
13	Git Advanced 3
14	Git Advanced 4
15	Latex
16	Final Exam

Course Structure

Time	Task	Note
18:00	<ul style="list-style-type: none">• Come to the classroom• Check your attendance by your phone• Solve a weekly quiz (icampus)	See Attendance slide for details
18:05	<ul style="list-style-type: none">• Review the quiz	
18:10	<ul style="list-style-type: none">• Listen to the lecture	
18:40	<ul style="list-style-type: none">• Do the weekly assignment practice	Time could be changed
19:30 – 19:45	<ul style="list-style-type: none">• Have a break time	TAs have a break time too
20:30	<ul style="list-style-type: none">• Leave the classroom	Students can leave early if they finish the practice
23:59	<ul style="list-style-type: none">• Submit your practice work (icampus)	

Grading

- Attendance: 20%
10 weeks and more (w/o 1st & exam week)
- Quiz: 25%
Sum up top 10 scores
You will get a zero score on a one-week quiz if you do not attend the class.
- Final exam: 25%
You will get a zero exam score if your attendance score is not full.
You should take the final exam; otherwise, you will get an F grade.
- Weekly Assignments: 30%
You will get a zero score on a one-week assignment if you do not attend the class.

SKKU School rule 47-2:

Students must **attend at least 3/4** of the total class hours for that subject to be eligible to take the exam.

https://rules.skku.edu/state/current/current_rulebook.do?mode=recent&srRuleCd1=747

SKKU School Rules

- 47-2
 - Students must **attend at least 3/4** of the total class hours for that subject to be eligible to take the exam.
- 48-2
 - A grade of F shall be given in the following cases:
 1. All semester grades (excluding educational laboratory grades) of students who have been disciplined by suspension or **who are unable to attend 3/4 or more of the total number of class hours or take the final examination due to other circumstances**
 2. Grades for courses for which **attendance was less than 3/4** of the total number of class hours

Reference

- https://rules.skku.edu/state/current/current_rulebook.do?mode=recent&srRuleCd1=747
- https://rules.skku.edu/state/current/current_rulebook.do?mode=recent&srRuleCd1=747&srRuleCd2=2790

Grading - Example

Student A

- Attendance: 18%
- Final exam score: 90/100

=>

- Attendance: 18%
- Final exam score: 0/100
- **Final grade:** Based on the total score

Student B

- Attendance: 20%
- Final exam score: Not taken

=>

- **Final grade:** F

Attendance

- Classroom
 - Come to the in-person classroom
 - Check your attendance using by SKKU attendance app (<https://attend.skku.edu>)
 - Attendance Time Tracking Standards: 18:00 - 18:40
- More rules & tips
 - No late-in
 - No excuse except reasonable reasons (i.e., entering a hospital, family funeral, reserve forces training) with official documents
 - **Check your attendance status by yourself** (<https://attend.skku.edu>)
 - Come directly after the lecture time if you meet any problems. We might accept your claim if we can see you during that time.

How We Communicate in the Class

- Channels
 - Classroom
 - Email
 - Office Hours
- Instructor & TAs will ignore other channels

Email

- Students can ask the questions via email
- Some emails will not get answered

From [redacted]@gmail.com> ☆
Subject 기말 고사 점수 문의
To Me <jy.bak@skku.edu> ★

Enquiries about final exam scores

박진영 교수님 안녕하세요

Dear Prof. JinYeong Bak

기말 고사 점수에 대해 문의 드리고자 메일을 보내드립니다

I am sending you an email to inquire about the final exam score.

4번 문제 점수에 대해서 확인 한번 부탁 드려도 될까요

Could you check the score for question 4?

제가 오타 때문인지 어떤 문제일지 잘 모르겠어서요

I'm not sure if it's because of the typo or what the problem is.

부탁드립니다

Please.

감사합니다

Thank you

Email

- Mail address
 - Use the school email account (@g.skku.edu)
 - Send to **ossp_g@g.skku.edu**
- Subject
 - Summarize what you want to ask
- Content
 - Introduce yourself with Student ID number & Name
 - Be polite
 - Be specific
 - Provide as much detail as possible

Office Hours

- Students can ask the questions in person
- Need to reserve the time
- Method
 - Go to office hour page - <https://oh.nosyu.kr>
 - Click an available time slot
 - Write yourself in the description
 - Class Code
 - Student ID number
 - Name
 - Save the appointment
- Reservations may be canceled

Book an appointment

What

Office Hour - 2021 Spring (JinYeong Bak)

When

Fri, April 23, 10:00 – 10:30

Who

JinYeong Bak

Where

Description

Code: SWE3026
ID: 2021098765
Name: JinYeong Bak

Save

Cancel

Tip: You can customize the details of the event after you save it.

Assignment #1

- A simple report
 - Honor pledge of this course
 - (Optional) Suggestions/comments to the instructor
- Due date
 - September 11, 2024
 - Submit the report to icampus page
- Reference
 - <https://www.rochester.edu/college/honesty/instructors/pledge.html>
 - <https://sites.udel.edu/studentconduct/honor-pledges/>

(Optional) Salt for Privacy

- Grading sheet
 - We will open a grading sheet that has all scores of students.
 - To protect your identity, we anonymize your student ID by SHA3-256.
 - For enhanced security, we will add your own salt value. (Refer to the reference)
- Process
 - Input: Student ID + your own salt value
Example) ID: 2024123456, salt: 9876, Input: 202412345609876
 - Output: encoded character sequence
Example) Output: f164b1547ecb2d483ca2415120890d0628ca4ace20416db5370e58dfae81a0e4
- Submission
 - Due date: September 11, 2024
 - Submit (& Remember) your individual salt number (up to 5 digits) to icampus page
 - No submission, No salt (& No penalty on the final grade)
- Reference
 - [https://en.wikipedia.org/wiki/Salt_\(cryptography\)](https://en.wikipedia.org/wiki/Salt_(cryptography))
 - https://emn178.github.io/online-tools/sha3_256.html