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| **Faculty Information** | **Name** | | JO, HOSUNG | | | | | |
| **E-mail** | | ustog@hanyang.ac.kr | | | | | |
| **Home University** | | Hanyang University (Seoul) | | | | | |
| **Department** | | Innovation Center For Engineering Education (공학교육혁신센터) | | | | | |
| **Homepage** | |  | | | | | |
| **Course Information** | **Class No.** | | TBA | **Course Code** | ISS1202 | | **Credits** | 3 |
| **Course Name** | | Creative Computing and Data with Python | | | | | |
| **Lecture Schedule** | | Mon-Fri / 09:00~15:00 (lunch: 12:00~13:00) | | | | | |
| **Course Description** | | - Giving experience and opportunities to implement ideas and handle Data.  - Learning how to effectively solve various problems based on it. | | | | | |
| **Course Objective** | | - Enhance your understanding of computers and computer programming  - Providing experience and learning skills in computer programming | | | | | |
| **Prerequisite** | | - None | | | | | |
| **Materials/Textbooks** | | - None | | | | | |
| **Evaluation** | **Attendance** | | 15% | **Quiz** | | 0% | | |
| **Assignment** | | 15% | **Mid-term Exam** | | 30% | | |
| **Presentation** | | 0% | **Final Exam** | | 40% | | |
| **Group Project** | | 0% | **Participation** | | 0% | | |
| **Etc.** | | **Evaluation Item** | | | **Ratio** | | |
| - | | | 0% | | |
| **Daily**  **Lecture Plan** | **Week**  **1** | 12.29 | - Class introduction. Lab setting  - Expressions and Operators | | | | | | |
| 12.30. | - Control statement 1 - If conditional statement | | | | | | |
| 12.31. | - Control statement 2 - While loops statement | | | | | | |
| 01.01. | - No Class (New Year’s Day) | | | | | | |
| 01.02. | - Data Structure: List and Binary Search  - Control statement 3 – For loops statement | | | | | | |
| **Week**  **2** | 01.05. | - Practicing and QnA  - Midterm test | | | | | | |
| 01.06. | - Functions and Modules | | | | | | |
| 01.07. | - Sorting Algorithms: Selection sort  - Sorting Algorithms: Insertion sort | | | | | | |
| 01.08. | - Sorting Algorithms: Quick sort  - Sorting Algorithms: Counting sort | | | | | | |
| 01.09. | - Sorting Summary and QnA  - Final test | | | | | | |