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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 |