HANYANG UNIVERSITY

Hanyang International Summer School

<table>
<tr><td rowspan="5">Faculty Information</td><td>Name</td><td colspan="6">JO, HOSUNG</td></tr>
<tr><td>E-mail</td><td colspan="6">ustog@hanyang.ac.kr</td></tr>
<tr><td>Home University</td><td colspan="6">Hanyang University (Seoul)</td></tr>
<tr><td>Department</td><td colspan="6">Innovation Center For Engineering Education (공학교육혁신센터)</td></tr>
<tr><td>Homepage</td><td colspan="6"></td></tr>
<tr><td rowspan="8">Course Information</td><td>Class No.</td><td>18083</td><td>Course Code</td><td>ISS1202</td><td>Credits</td><td>3</td></tr>
<tr><td>Course Name</td><td colspan="5">Creative Computing and Data with Python</td></tr>
<tr><td>Lecture Schedule</td><td colspan="5">Tue-Fri / 9:00 AM - 12:00 PM</td></tr>
<tr><td>Course Description</td><td colspan="5">- Giving experience and opportunities to implement ideas and handle Data.
- Learning how to effectively solve various problems based on it.</td></tr>
<tr><td>Course Objective</td><td colspan="5">- Enhance your understanding of computers and computer programming
- Providing experience and learning skills in computer programming</td></tr>
<tr><td>Prerequisite</td><td colspan="5">- None</td></tr>
<tr><td>Materials/Textbooks</td><td colspan="5">- None</td></tr>
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<tr><td rowspan="6">Evaluation</td><td>Attendance</td><td>15%</td><td>Quiz</td><td>0%</td></tr>
<tr><td>Assignment</td><td>15%</td><td>Mid-term Exam</td><td>30%</td></tr>
<tr><td>Presentation</td><td>0%</td><td>Final Exam</td><td>40%</td></tr>
<tr><td>Group Project</td><td>0%</td><td>Participation</td><td>0%</td></tr>
<tr><td rowspan="2">Etc.</td><td colspan="2">Evaluation Item</td><td>Ratio</td></tr>
<tr><td colspan="2">-</td><td>0%</td></tr>
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<tr><td rowspan="16">Daily Lecture Plan</td><td rowspan="4">Week 1</td><td>Day 1</td><td>Class introduction. Lab setting</td></tr>
<tr><td>Day 2</td><td>Expressions and Operators</td></tr>
<tr><td>Day 3</td><td>Data structures and File I/O</td></tr>
<tr><td>Day 4</td><td>Control statement 1 - If conditional statement (1)</td></tr>
<tr><td rowspan="4">Week 2</td><td>Day 1</td><td>Control statement 2 - If conditional statement (2)</td></tr>
<tr><td>Day 2</td><td>Control statement 3 - While loops statement (1)</td></tr>
<tr><td>Day 3</td><td>Control statement 4 - While loops statement (2)</td></tr>
<tr><td>Day 4</td><td>Midterm test and review</td></tr>
<tr><td rowspan="4">Week 3</td><td>Day 1</td><td>Control statement 5 – For loops statement (1)</td></tr>
<tr><td>Day 2</td><td>Control statement 6 – For loops statement (2)</td></tr>
<tr><td>Day 3</td><td>Functions and Modules (1)</td></tr>
<tr><td>Day 4</td><td>Functions and Modules (2)</td></tr>
<tr><td rowspan="4">Week 4</td><td>Day 1</td><td>Sort Algorithms(1)</td></tr>
<tr><td>Day 2</td><td>Sort Algorithms(2)</td></tr>
<tr><td>Day 3</td><td>Final Test</td></tr>
<tr><td>Day 4</td><td>Graduation (NO class)</td></tr>
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