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1. (Course Overview)

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	<p>This class provides new insights of Systems Biology of biological pathway to biological students. The major learning goal of this class is understanding basic concept and information relating to Systems Biology. The students taking this class are expected to take some fundamental classes like biology, biochemistry, molecular biology, and cellular biology.</p>							
	<p>1. House-made. (2010). Systems Biology Basics. . 2. . (). References - . . . 3. . (2013). . . .</p>							
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2. (Course Schedule)

1	08/31 ~ 09/04		Orientation
			Bioinformatics, Computational Biology
2	09/07 ~ 09/11		Systems Biology
			About Systems Biology
3	09/14 ~ 09/18		Omics
			Omics & Data Handling
4	09/21 ~ 09/25		Genetic Data
			Genomics Data Handling
5	09/28 ~ 10/02		DNA Sequences
			DNA
			Analysis of DNA, RNA Sequences
6	10/05 ~ 10/09		Protein Basics
			Protein Basics
			Homework 1

7	10/12~10/16		Protein Sequences
			Analysis of Protein Sequences
8	10/19~10/23		Midterm Exam
9	10/26~10/30		Protein Structure
			Protein Structure Analysis
10	11/02~11/06		Protein Interaction
			Protein Interaction Database
11	11/09~11/13		Sequence Alignment - 1
			Sequence Alignment - 1
			Homework 2
12	11/16~11/20		Sequence Alignment - 2
			Sequence Alignment - 2

13	11/23~11/27		Phylogenetic Analysis - 1
			.
			Phylogenetic Analysis - 1
14	11/30~12/04		Phylogenetic Analysis - 2
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			Phylogenetic Analysis - 2
15	12/07~12/11		Systems Analysis
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			Systems Analysis, Related Softwares
			Homework 3
16	12/14~12/18		Final Exam



		Homework 1	a report of a DNA Sequence analysis
		Homework 2	a report of Protein Sequence and Str. analysis
		Homework 3	a report of a Systmes analysis
		Take home quizzes	more than 10 quizzes
		translation report	team work

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