シラバス参照

<<Last Updated:2021/05/28>>

# Course Schedule Information

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| **Course Code** | 329025 |
| **Semester** | Fall Term |
| **Day and Period** | Other |
| **Course Name (Japanese)** | 生体ダイナミクス概論III |
| **Course Name** | Introduction to Biophysical Dynamics III |
| **Capacity** | 0 |
| **Course Numbering Code** | 32FRBI5K125 |
| **Credits** | 0.5 |
| **Student Year** | 1,2 |
| **Instructor** | KIMURA Shin-ichi |

# Basic Syllabus Information

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| **Eligibility** | 1st , 2nd grade |
| **Required/Optional** | Optional |
| **Schedule** | Spring term, intensive course |
| **Room** | Seminar room, Nano-biology building 3F |

# Detailed Syllabus Information

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|---|---|
| **Course Name** | Physics in biosciences |
| **Language of the Course** | English |
| **Type of Class** | Lecture Subject |
| **Course Objective** | Physics is the most basic explanation of natural sciences including bio- and life-sciences. The aim of this lecture is to understand the relation of the physics including classical and quantum mechanics to biosciences. |
| **Learning Goals** | |
| **Requirement / Prerequisite** | |
| **Class Plan** | 1. Fundamentals of quantum mechanics<br>2. Electronic structure of matter<br>3. Quantum phenomena in life<br>4. Contact of materials science and bioscinece |
| **Independent Study Outside of Class** | Read reference. |
| **Textbooks** | |
| **Reference** | Life on the Edge, Jim Al-Khalili and Johnjoe McFadden, Bantam Press 2014. |
| **Grading Policy** | class participation (50%) and reports (50%) |
| **Other Remarks** | |
| **Special Note** | |

# Instructor(s)

| Instructor Name | Name (hiragana) | Extension | E-mail |
|---|---|---|---|
| KIMURA, Shin-ichi | きむら　しんいち | 4600 | kimura@fbs.osaka-u.ac.jp |

**Cautions for Students**