

## View Syllabus Information

Course Information			
Year	2024	School	School of Fundamental Science and Engineering
Course Title	Ordinary Differential Equations (1) IPSE Course		
Instructor	KUBOTA, Ayako		
Term/Day/Period	summer quarter 01:Wed.1/02:Thur.2		
Category	Mathematics	Eligible Year	2nd year and above
Classroom	01:53-B04/02:53-201	Campus	Nishi-Waseda (Former: Okubo)
Course Key	26G0210010	Course Class Code	01
Main Language	English		
Class Modality Categories	[On-campus]		
Course Code	MATX23ZL		
First Academic disciplines	Mathematics		
Second Academic disciplines	Mathematics		
Third Academic disciplines	Analysis		
Level	Intermediate, developmental and applicative	Types of lesson	Lecture

Syllabus Information		Latest Update : 2024/02/19 10:02:06				
Course Outline	Ordinary differential equations (ODEs) are important tools to describe phenomena arising in physics, biology, chemistry and engineering. We study the standard solution methods and basic theories for ordinary differential equations.					
Objectives	Learning goals are as follows: 1) Learn the standard solution methods. 2) Understand the basic theories.					
before/after course of study	Instructor provides instruction at the first class.					
Course Schedule	<p><b>【Lecture 1 ~ Lecture 12】</b> Students will learn about the following topics:</p> <ul style="list-style-type: none"> <li>• Basic notations and terminologies (2 lectures),</li> <li>• First order ODEs (4 lectures),</li> <li>• Second order ODEs (4 lectures),</li> <li>• Higher order linear ODEs with constant coefficients (2 lectures).</li> </ul> <p><b>【Lecture 13】</b> Review of Lecture 1 ~ Lecture 12</p> <p><b>【Lecture 14】</b> Final Exam</p>					
Textbooks	There is no assigned textbook for this class.					
Evaluation	<table border="1"> <thead> <tr> <th>Rate</th> <th>Evaluation Criteria</th> </tr> </thead> <tbody> <tr> <td>Exam: 100%</td> <td>Final exam</td> </tr> </tbody> </table>		Rate	Evaluation Criteria	Exam: 100%	Final exam
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