

Perspectives in Mathematical Science III			
Registration Code	0072481	Credits	2.0
Course Category	Open		
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Tue. / 4 (14:45~16:15)		
Instructor	HESSELHOLT Lars, FUJIWARA Kazuhiro, LE GALL Francois		
Target Schools (Programs)	Hu(J)·La(S)·Ec(S)·En(P·C·Au)·Ag(B)		
For information on syllabus, please refer to the School of Science's one.			

Introduction to Chemical and Biological Industries			
Registration Code	0073381	Credits	2.0
Course Category	Open		
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Wed. / 3 (13:00~14:30)		
Instructor	SHINODA Wataru		
Target Schools (Programs)	Hu(J)·La(S)·Ec(S)·Sc(P·C·B)·Ag(B)		
For information on syllabus, please refer to the School of Engineering's one.			

Mathematics Tutorial 2a			
Registration Code	0054421	Credits	1.0
Course Category	Open		
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 4 (14:45~16:15)		
Instructor	RICHARD Serge		
Target Schools (Programs)	La(S)·Ec(S)		
<p>● Goals and Objectives of the Course</p> <p>The aim of this course is to deepen the understanding of calculus and to cultivate the ability to apply mathematical knowledge.</p> <p>The course is mainly intended for students taking Calculus II. Students will have the opportunity to manipulate the various notions introduced during the lectures.</p>			
<p>● Course Prerequisites</p> <p>Some notions on functions of one variable, as seen in Calculus I. A basic knowledge of linear algebra will be an asset.</p>			
<p>● Course Contents/Plan</p> <p>Exercises sheets will be provided each week before the tutorial, and will be available on the web site of the course. Homework will be due every week during the tutorial.</p>			
<p>● Course Evaluation Methods</p> <p>The final grade will be determined by homework (50%) and quizzes (50%). The grading scale will be S: 90-100, A: 80-89, B: 70-79, C: 60-69, F: 0-59. This course uses the course withdrawal system. It is necessary to submit a Course Withdrawal Request Form when the student has no intention of finishing the course during the semester.</p>			
<p>● Notice for Student:</p> <p>Students are expected to read their notes, and to be familiar with the content of the lectures of Calculus II before each tutorial sessions.</p>			
Textbook	Free reference books and lecture notes are available on the website of the course		
Reference Book	Free reference books and lecture notes are available on the website of the course		
Reference website	http://www.math.nagoya-u.ac.jp/~richard/spring2020.html		
Message			

Mathematics Tutorial 2b			
Registration Code	0054422	Credits	1.0
Course Category	Open		
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Thu. / 4 (14:45~16:15)		
Instructor	BACHMANN Henrik		
Target Schools (Programs)	La(S) • Ec(S)		
<p>•Goals and Objectives of the Course The objective of this course is to provide essential mathematical knowledge necessary to further studies in mathematics and science at university level. The course is primarily intended for students taking the course Linear algebra II.</p>			
<p>•Course Prerequisites While not a formal requirement, Linear Algebra I is strongly recommended. Check https://www.henrikbachmann.com/la12019.html for the content of Linear Algebra I.</p>			
<p>•Course Contents/Plan Orthogonal maps, vector spaces, determinants and their applications, eigenvalues and eigenvectors, applications of eigenvalue theory, linear differential equations.</p>			
<p>•Course Evaluation Methods The assessment of this course is the same as the assessment of the course Linear Algebra II.</p> <p><i>Course withdrawal:</i> Any student who does not participate in the final exam will receive the grade “Absent”. It is not necessary to submit a course withdrawal request form.</p>			
<p>•Notice for Students</p> <ol style="list-style-type: none"> 1. The reference book is available in the Main library and in the Science library (enough copies in total for all students). 2. It is strongly recommended to register also to Linear algebra II. 			
Textbook	None.		
Reference Book	Otto Bretscher: <i>Linear Algebra with Applications</i> , fourth edition, Pearson		
Reference website	https://www.henrikbachmann.com/la2_2020.html		
Message	The website will contain all necessary information on this course.		