

科目名	Course Title
無機化学2(Inorganic Chemistry II)	
学科・専攻	Department/Program
G30 Chemistry	
受講年次	Grade
3rd	
授業形態	Class style
必修・選択の別	Compulsory or Elective
講義	* See "Remarks"
時間割コード	Registration code
0681120	
開講期・曜日・時限	Semester, Day & Period
Fall semester Mon : 2	
単位数	Credit
2	
科目区分	Course type
Basic Specialized Courses	
担当教員	Instructor
SAMJESKE Gabor arwed(SAMJESKE Gabor arwed)	
所属研究室	Laboratory
連絡先	Contact
居室	Room

講義の目的とねらい	Course purpose
Inorganic chemistry II is the second part of a three-semester course in inorganic chemistry I, II, and III. Aim of the three-semester course is to present principles and fundamentals of inorganic chemistry and also to show examples of the role of inorganic chemistry in the industry, environment and every day lives.	
履修要件	Prerequisite
Fundamentals of Chemistry I and II, Inorganic Chemistry I	
履修取り下げの方法について	How to Apply for Course Withdrawal
<「履修取り下げ届」提出の要・不要 Necessity/Unnecessity to submit "Course Withdrawal Request Form"> Necessary <条件等 Conditions> Due the special circumstances in AY2020 related to the COVID-19 pandemic, course withdrawal will be allowed until the final exam. Depending on the situation either in written paper form or by email.	
成績評価	Grading

Grading will follow the rules for G30 students who have entered NU before AY2020 (5 letter system):

TOTAL 100% = 100 pts

Grades: "S" = 100 - 90% (> 90 pts), "A" = 89 - 80% (90 - 80 pts), "B" = 79 - 70% (79 - 70 pts), "C" = 69 - 60% (69 - 60 pts), "F" = 59 - 0% (< 60 pts)

Face to face classes: Activity, homework: 10%, intermediate exam: 30%, final exam (comprehensive): 60%

On-line classes: Reports: 65%, final exam (on-line): 35% The final exam is mandatory!

Grades are final and calculated on the basis of the performances during class (reports in case of on-line classes) and in the two exams (one final exam in case of on-line classes) only. There will be no possibility to improve a grade after the final exam. Students who miss the final exam due to a (documented) illness, injury or other unavoidable reasons can ask the instructor.

不可 (F) と欠席 (W) の基準 Criteria for "Absent(W)" & "Fail" grades

The course will be graded "F" (failed) if less than 60% of the points were obtained. The course will be graded as "absent" as stated in "course withdrawal"

関連する科目 Related courses

Inorganic Materials I

教室 Class room

Check the Course Timetable.

Check the course timetable

到達目標 Goal

At the end of the complete course (Inorganic Chemistry I, II, III), students should have learned a robust foundation in physical inorganic principles and also applications of the subject to catalysis and industrial processes.

授業内容 Content

The contents of Inorganic Chemistry II will cover the topics of

- Metals & non-metals: Solid state
- Redox reactions
- Non-aqueous solvents
- s,p-block element chemistry

教科書 Textbook

Catherine E. Housecroft, Alan G. Sharpe; INORGANIC CHEMISTRY, 5TH EDITION; PEARSON - PRENTICE HALL

参考書 Recommended reading

Jack Barrett, "Inorganic Chemistry in Aqueous Solutions", RSC Publishing, 2003, ISBN 0-85404-471-X
Cotton, Wilkinson, "Advanced Inorganic Chemistry", John Wiley & Sons, Inc., ISBN 0-471-19957-5

連絡方法 Contact method

Either after the classes or during the office hours/by email (to be announced)

その他 Remarks

*See Course List and Graduation Requirements for your program for your enrollment year.

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