

Course number		G-LAS00 80007 LE20					
Course title (and course title in English)	Research Ethics and Integrity (Science and Technology)			Instructor's name, job title, and department of affiliation	Institute for Chemical Research Senior Lecturer,MURDEY , Richard James		
	Research Ethics and Integrity (Science and Technology)						
Group	Common Graduate Courses			Field(Classification)	Social Responsibility and Profitability		
Language of instruction	English			Old group		Number of credits	0.5
Hours	7.5	Class style	Lecture (Media-based course)		Year/semesters	2025 • Intensive, First semester	
Days and periods	Intensive May 10, 17, 24, from 9:00 a.m. to 12:00 p.m. each day		Target year	Graduate students	Eligible students	For science students	
[Overview and purpose of the course]							
This course guides graduate students on how to act responsibly when performing, presenting, and publishing scientific research. Topics include data sharing, authorship, intellectual property, conflicts of interest, scientific misconduct, and the proper use of research funds. Representative case studies covering issues in ethics and research integrity are presented and discussed. The lectures are complemented by additional group work and in-class discussion.							
[Course objectives]							
Over three lectures, graduate students will learn how to make responsible decisions as a researcher working in the field of physical science. An e-learning course on research ethics and research integrity will check your understanding.							
[Course schedule and contents)]							
Lecture 1 (3h)							
1. Data Handling and Management 2. Collaboration and Authorship 3. Publications and Peer Review							
Lecture 2 (3h)							
1. Scientific Misconduct 2. Intellectual Property 3. Conflicts of Interest							
Lecture 3 (1.5h)							
1. Industrial Collaboration 2. The Scientist in Society							

Continue to Research Ethics and Integrity (Science and Technology) (2)							

[Course requirements]

None

[Evaluation methods and policy]

Evaluation is based on attendance and participation. At the end of the course, students must complete the Japan Society for the Promotion of Science e-learning course, " e-Learning Course on Research Ethics ".

* Students have to take the e-Learning course offered by JSPS (Japan Society for Promotion of Science). Association for the Promotion of Research Integrity (APRIN) e-learning courses are NOT available.

[Textbooks]

Not used

[References, etc.]

(References, etc.)

Shamoo, Adil E., and David B. Resnik 『Responsible conduct of research』 (Oxford University Press) ISBN:978-0195368246

『科学の健全な発展のために 誠実な科学者の心得 』 (日本学術振興会) ISBN:978-4621089149
(学術振興会のHP (<https://www.jsps.go.jp/j-kousei/data/rinri.pdf>) より、テキスト版をダウンロード)

池内 了 訳 『科学者をめざす君たちへ 研究者の責任ある行動とは』 (化学同人) ISBN:978-4759814286

(Related URL)

<https://www.jsps.go.jp/english/e-kousei/index.html>(JSPS Research Integrity)

<https://ori.hhs.gov/>(The Office of Research Integrity)

[Study outside of class (preparation and review)]

Participation in the "e-Learning Course on Research Ethics" from the Japan Society for the Promotion of Science (JSPS)

[Other information (office hours, etc.)]

【 This course is held online (メディア授業科目) 】