

## ○ Syllabus Reference

Course title	Fundamentals of Scientific Writing
Term	後期 2nd Half
Credit(s)	1
The main day	The main period
Program/Department	49 Genetics
Lecturers	Hiroshi Akashi
成績評価区分 Grading Scale	A, B, C, Dの4段階評価 Four-grade evaluation
レベル Level	Level 3
力量 Competence	専門力 Academic expertise、国際力 Global competence

Instructor
Full name
* AKASHI HIROSHI

Outline	Written scientific communication is critical for advancing science but is often underemphasized in scientific training. Strengthening writing skills can enhance our ability to both conduct and to transmit our research. Lectures, writing exercises, and student presentations/discussions in this course will focus first on defining and recognizing “good” writing and then on implementing these concept in our own writing. Effective use of AI tools in scientific research and writing will be emphasized. The course is designed for both native and non-native English speakers.
Learning objectives	Lecture materials, writing assignments and in-class discussions will focus on improving our ability to recognize strengths and weaknesses in written scientific communication. This skill will be essential to enhance our own writing with a focus on developing effective approaches for continuous improvement.
Grading policy	The quality of the course will depend on student contributions. Grades will be based on assignments and in-class participation.
Lecture Plan	<p>The course will begin with lectures and reading and writing exercises to define “good” scientific writing. What are the common features of strong writing? What are the common problems and issues of less effective written communication? We will focus on scientific writing for a broad audience (especially scientists from other fields) and will study examples of effective research summaries of recent major advances. Class members will also contribute their own summaries of important papers in their fields and we will discuss the strengths and identify areas for potential improvement of these submissions. We will then shift to communications of our own research and will study how to write strong research summaries and poster-style communications. Class member submissions and discussion will be a central aspect for this course.</p> <p>Monday 15:30–17:10  Jan. 18  Jan. 25  Feb. 1  Feb. 8  Feb. 15  Feb. 22  Mar. 1  Mar. 8</p>
Location	NIG
Language	English
Textbooks and references	<p>Duke Graduate School Scientific Writing Resource  <a href="https://sites.duke.edu/scientificwriting/">https://sites.duke.edu/scientificwriting/</a></p> <p>Science Research Writing: For Native and Non-native Speakers of English World</p>

	Scientific Pub Co Inc: 2nd edition (March 12, 2020) ISBN-13 : 978-1786347831 English for Academic Research: Writing Exercises: Writing Exercises Springer; 2015 edition (December 14, 2015) ISBN-13 : 978-1461442974
Notes for students of other programs	All SOKENDAI students are welcome to join this course. However, it will be conducted in person at NIG (no web attendance).
Contact for Course Inquiries	hiakashi@nig.ac.jp