

Scientific Writing (tentative)

(Fall Term, 2020)

Common lectures for the School of Multidisciplinary Sciences
SOKENDAI (The Graduate University for Advanced Studies)

2020 Fall Term

Time:

Thursday 14:45-16:15 (4th slot) and / or

Wednesday, 9:00-10:30 (1st slot)

Place:

NII (National Institute of Informatics, Hitotsubashi):

12F Lecture Room 1 (1212)

(<http://www.nii.ac.jp/en/about/access/>)

NIPR (National Institute of Polar Research, Tachikawa):

Conference Room 1 (D222)

Small Conference Room (C205)

Seminar Room 4 (D312B)

(<http://www.nipr.ac.jp/english/mapsanddirections.html>)

In principle, all the lectures can be attended at the student's own campus.

Each lecture by Ms. Jones will be given twice, once at each campus – students should attend one lecture from each pair, at the campus of their choice.

Lectures by Profs. Hayami and Houle will be conducted at NII, with video conferencing to NIPR. Lectures by Prof. Wu will be conducted at NIPR, with video conferencing to NII. However, students are encouraged to attend the lectures in person, at the venues at which they are presented.

Lecturers:

Prof. Ken Hayami (Department of Informatics)

Vis. Prof. Michael Houle (Department of Informatics)

Ms. Caryn Jones (ThinkSCIENCE Inc. & Department of Polar Science)

Assoc. Prof. Stephen Wu (Department of Statistical Science)

Schedule:

<u>No.</u>	<u>Date</u>	<u>Content</u>	<u>Lecturer</u>	<u>Place</u>
1.	10/15 (Th)	Robust Writing 1	Houle	NII (NIPR D222)*
2N.	10/21 (W)	Technical Writing N1	Jones	NII
2T.	10/22 (Th)	Technical Writing T1	Jones	NIPR D222
3N.	10/28 (W)	Technical Writing N2	Jones	NII
3T.	10/29 (Th)	Technical Writing T2	Jones	NIPR D222
4.	11/05 (Th)	No lectures		
5.	11/12 (Th)	Robust Writing 2	Houle	NII (NIPR D222)*
6.	11/19 (Th)	Robust Writing 3	Houle	NII (NIPR D222)*
7N.	11/25 (W)	Technical Writing N3	Jones	NII
7T.	11/26 (Th)	Technical Writing T3	Jones	NIPR D222
8N.	12/02 (W)	Technical Writing N4	Jones	NII
8T.	12/03 (Th)	Technical Writing T4	Jones	NIPR D222
9N.	12/09 (W)	Technical Writing N5	Jones	NII
9T.	12/10 (Th)	Technical Writing T5	Jones	NIPR D222
10.	12/17 (Th)	Reading 1	Hayami	NII (NIPR D222)*
11.	12/24 (Th)	Reading 2	Hayami	NII (NIPR D222)*
12.	1/07 (Th)	Reading 3	Wu	NIPR D222 (NII)*
13N.	1/13 (W)	Technical Writing N6	Jones	NII
13T.	1/14 (Th)	Technical Writing T6	Jones	NIPR C205
14N.	1/20 (W)	Technical Writing N7	Jones	NII
14T.	1/21 (Th)	Technical Writing T7	Jones	NIPR D312B
15N.	1/27 (W)	Technical Writing N8	Jones	NII
15T.	1/28 (Th)	Technical Writing T8	Jones	NIPR D222
16.	2/04 (Th)	No lectures		

**Video conferencing between NIPR and NII*

Lecture Details:

(I) Technical Writing (8 lectures by Ms. Jones):

We focus on how to write effective research papers. We examine in detail: the roles and responsibilities of authors and other actors in the scholarly publishing industry; communicating effectively with the different actors; recent changes in scholarly publishing and the implications for authors; good practices that underpin effective science writing (from conception of the research through writing, submission, and peer review to publication and beyond); avoiding and resolving common issues (plagiarism and self-plagiarism, authorship, copyright, predatory journals and conferences, etc.); establishing structure and logical flow; strategies and practical tips for writing clearly, accurately, concisely, and authoritatively; and self-editing and proofing.

All classes are interactive, involving practical exercises and encouraging problem-solving. Students complete a short writing assignment as part of this course.

(II) Robust Writing Strategies (3 lectures by Prof. Houle):

Strategies for scientific writing will be examined with regard to reducing the impact of writing errors on reader comprehension. The students will be asked to read the titles, abstracts and introductions of several real research papers of varying quality, and to critique them in light of organizational principles. Students will be encouraged to supply samples of their own technical writing for analysis by the class.

(III) Reading (2 lectures by Prof. Hayami, 1 lecture by Prof. Wu):

We will read English articles, for example, from *Nature* or *Science*.

Each student will be asked to read aloud a paragraph or two in turn, to summarize, and to answer questions related to it. This will be followed by discussions related to the article.