

令和3年4月8日

The Dean of UGSAS, Tottori University (official stamp omitted)

## Notice of the Seminar “Academic Communication of Science I” in 2021

It will be carried out as the attached guideline.

This seminar comprises students’ oral and poster presentation on their PhD dissertation research plan, and this is a required subject. In case you fail to attend this seminar, you will be unqualified to submit PhD dissertation and complete PhD course, so please be sure to attend this seminar before you attend “Academic Communication of Science II”.

No matter you attend or not, all the students should submit **a registration form** (attached) to the Academic Affairs Section of the United Graduate School of Agricultural Sciences, Tottori University (**Deadline 4/16 (Fri.)**)

For the students who will attend this seminar this year, please submit **summary of research presentation in English**, by A4 size. Fruits of researches before entering UGSAS can be included. The deadline for submission is **7 May (Fri.)**.

This seminar will be conducted online considering COVID-19 outbreak as attached. The details of Online will be informed later.

- (1) Oral presentations: Students shall demonstrate the oral presentation on their research plan in the doctoral course for approximately 15 minutes (oral presentation for 12 minutes and Q&A for 3 minutes). PowerPoint of the demonstrator will be displayed on all participants’ PC screen. Please note as below and prepare your presentation and poster data for this subject.
  - In an oral talk, students shall try to produce his/her Ph.D. course study from the scientific background with plain explanation. Please start your talk from the basics on your research.
  - Fruits of researches before entering UGSAS can be included.
  - An oral presentation should be in English.
  - The contents of the presentation should be written in English.
  - Please keep your presentation time. The presentation will be cut-off if the demonstrator cannot finish his/her presentation within his/her presentation time.
- (2) Poster presentation: Please submit poster data based on the oral presentation details to the UGSAS office by **May 14<sup>th</sup> (Fri.)**. The poster data will be scored.
  - \* **Please prepare the poster data in size A0 (841mm x 1189mm) format.**
  - \* **The poster must be made in English.**
  - \* **The poster must be made in PowerPoint and PDF.**
- (3) Summary of the research presentation: Please submit **one page summary in English** (see sample), **A4 size, by e-mail (ag-rengaku@ml.adm.tottori-u.ac.jp) to the Academic Affairs Section of the United Graduate School of Agricultural Sciences (UGSAS)**. The deadline for submission is strictly **May 7<sup>th</sup> (Fri.)**. All the summaries will be compiled to be distributed to students in advance of this seminar.
- (4) Special lectures: One lecturer on May 20<sup>th</sup>
- (5) If you have any questions, please contact:  
The office of UGSAS, Tottori University (ag-rengaku@ml.adm.tottori-u.ac.jp) or  
Dr. Motoichiro Kodama ([mk@muses.tottori-u.ac.jp](mailto:mk@muses.tottori-u.ac.jp)).

Contact:

Academic Affairs Section, the United Graduate School of Agricultural Sciences, Tottori University  
4-101 Koyama Minami, Tottori, 680-8553 (Tel) 0857-31-5446 (Fax) 0857-31-5683  
(Mail) [ag-rengaku@ml.adm.tottori-u.ac.jp](mailto:ag-rengaku@ml.adm.tottori-u.ac.jp)

# **THE GUIDELINES OF THE SEMINAR “ACADEMIC COMMUNICATION OF SCIENCE I” IN 2021**

## **1. PURPOSE**

This seminar is held for the students of the United Graduate School of Agricultural Sciences. The purpose of the seminar is acquiring fundamental knowledge and technique on academic communication for conducting doctoral researches at UGSAS.

## **2. TERM**

13:30 May. 19 (Wed.), 2021 (Online-connection confirmation: 13:00～) — 12:00 May. 21 (Fri.), 2021 (3days)

## **3. How to conduct**

Academic Communication of Science I will be conducted Online<sup>※</sup>. No need to come to Tottori University.

※How to conduct by online will be informed later.

## **4. CONTENTS**

Students' plan on the PhD dissertation research (oral presentations) and Special Lectures and seminar.

## **5. APPROVAL OF COMPLETION**

When you complete the seminar, the United Graduate School of Agricultural Sciences admits your completion and credit.

## **6. INQUIRIES**

Academic Affairs Section of the United Graduate School of Agricultural Sciences, Tottori University.

Tel: 0857.31.5446, Fax: 0857.31.5683 E-mail: [ag-rengaku@ml.adm.tottori-u.ac.jp](mailto:ag-rengaku@ml.adm.tottori-u.ac.jp)

2021 年度「科学コミュニケーション I」受講調査票

Registration form for the Seminar “Academic Communication of Science I” in 2021

学生番号 Student ID No. ( )		配属大学 Univ. ( )
氏 名 Name		
出 席 Attend	欠 席 Not Attend	欠席の理由 If ‘Not Attend’, please describe the reason of absence
どちらかに○ Choose by circling		
当日連絡のとれる電話番号 Cellphone Number while attending this subject		- -

- ☆ この調査票は、必ず**4月16日（金）**までに鳥取大学農学部連大学務係に提出して下さい  
Please submit this form to Academic Affairs Section of the United Graduate School of Agricultural Sciences, Tottori University. (**Deadline 4/16 (Fri.)**)

**FAX 0857-31-5683**

- ☆ 変更がありましたら5月7日（金）の午前中までに鳥取大学農学部連大学務係にお知らせ願います。  
Please be sure to inform any changes after the submission of this form by 12:00 September. 25 (Fri) to the Academic Affairs Section of UGSAS.

2021年度 鳥取大学大学院連合農学研究科「科学コミュニケーション I」日程表

Schedule of the "Academic Communication of Science I" 2021

		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1 s t d a y	第1日目 5月19日 (水) May. 19 (Wed)							受付・出欠・接続確認 Registration, Attendance & Connection confirmation	オリエンテーション Orientation	口頭発表 (WebEx) Oral Presentation ①  進行 Chair 有馬 二郎氏 (鳥取大学) Dr. Jiro Arima (Tottori Univ.) 兵頭 正浩氏 (鳥取大学) Dr. Masahiro Hyodo (Tottori Univ.) 岩永 史子氏 (鳥取大学) Dr. Fumiko Iwanaga (Tottori Univ.)							
	第2日目 5月20日 (木) May. 20 (Thu)				口頭発表 Oral Presentation ②  進行 Chair 有馬 二郎氏 (鳥取大学) Dr. Jiro Arima (Tottori Univ.) 兵頭 正浩氏 (鳥取大学) Dr. Masahiro Hyodo (Tottori Univ.) 岩永 史子氏 (鳥取大学) Dr. Fumiko Iwanaga (Tottori Univ.)	屋食 Lunch	口頭発表 Oral Presentation ③  進行 Chair 有馬 二郎氏 (鳥取大学) Dr. Jiro Arima (Tottori Univ.) 兵頭 正浩氏 (鳥取大学) Dr. Masahiro Hyodo (Tottori Univ.) 岩永 史子氏 (鳥取大学) Dr. Fumiko Iwanaga (Tottori Univ.)	本題 Break  特別講義 Special Lecture 講師: ホーク・フィリップ氏 (静岡県立大学・薬学部・ 科学英語分野・准教授)  <b>Dr. Philip Hawke</b> (Associate Prof., Scientific English Program, Graduate School of Integrated Pharmaceutical and Nutritional Sciences, University of Shizuoka)  『Basic academic communication: Oral presentations and discussion』*	特別講義 Special Lecture 講師: ホーク・フィリップ氏 (静岡県立大学・薬学部・ 科学英語分野・准教授)  <b>Dr. Philip Hawke</b> (Associate Prof., Scientific English Program, Graduate School of Integrated Pharmaceutical and Nutritional Sciences, University of Shizuoka)  『Advanced academic communication: Journal article writing and research ethics』**								
	第3日目 5月21日 (金) May. 21 (Fri)				特別セミナー Special seminar  岩永 史子氏 (鳥取大学) Dr. Fumiko Iwanaga  兵頭 正浩氏 (鳥取大学) Dr. Masahiro Hyodo  有馬 二郎氏 (鳥取大学) Dr. Jiro Arima	質疑応答 Q&A  アンケート記入 Questionnaire	*『科学英語コミュニケーション「基礎編」: オーラル・プレゼンテーションとディスカッション』 **『科学英語コミュニケーション「上級編」: 学術論文ライティングと科学倫理』										

見本 (英文)  
SAMPLE (ENGLISH)

Research of cultivation, water stress measurement, and biological reaction  
of high sugar degree 'Satsuma Mandarin'

Course : Bioproduction Science  
Division : Agricultural Production Science  
Name :  
Entrance : 2004 (Oct.)  
University : Yamaguchi University  
Major Supervisor :

Satsuma Mandarin puts from the fruits dilation period at maturity, gives tree a moderate moisture stress, and the fruits sugar degree rises. On the production site, the soil is positively dried by setting up the moisture permeability multi under the tree crown to give a dry stress and interrupting rain water. However, it rises about control and the acid degree of the fruits dilation when the moisture stress is strong. The sugar degree is decreased when an excessive sprinkling water is done when the stress is small, and it causes the peel puffing. As a result, the commercial value decreases. Therefore, the metrology of the index tree moisture stress of the decision and sprinkling water at the multi coating time is needed. The maximum water potential by the pressure chamber method etc. needs a high-pressure gas and a special equipment, limited the measurement time to predawn, and is the most unpractical though is a high index reliability now on a general production site. Then, the method of evaluating the water stress that changed into the moisture potential was examined, and the reaction to the moisture stress of tree was investigated in this research.

As a water stress measuring method of a tree, sap flux performed the Granier method and trunk tree water content examined the TDR method. The sap flowing quantity by the Granier method has a very high correlation for the quantity of solar radiation. Moreover, when the water potential that about -1.7MP is strong was received, it became weak and clearer than stress (-0.5MP) the control of the sap flowing quantity. The tree trunk water content by the TDR method was able also to measure decreasing strengthened the moisture stress.

In addition, to measure the water stress of tree indirectly, the soil moisture was investigated with TDR method and a heat flow velocity type soil moisture meter. It is effective to be able to measure both TDR methods and the heat flow velocity type moisture meters promptly, and to measure the moisture stress of tree indirectly. In the granite wall rock, The soil moisture's decrease tree's beginning to receive a dry stress to about 15%, and contributing to the rise of the fruits sugar degree by the soil moisture measurement by this TDR method became clear. However, it became a strong stress when the soil moisture became 10% or less, and the fruits dilation was controlled strongly.

The examination is advanced, the reaction to a dry stress of Satsuma Mandarin is clarified, and whether the moisture stress diagnosis that uses the Granie method and the TDR method is possible will be examined in the future. in how water potential the water stress of tree influences the sap flowing quantity and photosynthesis. Moreover, when it is possible, the index of the water stress diagnosis by a new method is made.