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

## Notice of the Seminar “Academic Communication of Science I” in 2020

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 4/17 (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 **8 May (Fri.)**.

- (1) Oral presentations: Students shall report on the plan of their research in academic conference style for approximately 10 minutes (oral presentation for 8 minutes and Q&A for 2 minutes). LCD projector should be used for research presentations (**Please bringing your own computer.**).
  - In an oral talk, students 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.
  - The talking time is limited. Please deal with the details of your study at the poster presentation.
- (2) Poster presentation: Students shall present the same content as oral presentations. Student will have discussion time (core time) in English. Presentation order of each presenter will be shown on his/her name badge provided at the reception.
  - \* **Please print the poster in size A0 (841mm x 1189mm).**
  - \* **The poster must be made in English.**Please affix the poster at the specified place (shown in your name badge). If you cannot print your poster by large printer, each presenter can affix your poster to A0 (841mm x 1189mm) size of paper. Please bring printed poster and affix it to the specified paper on the presentation day.
- (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 8<sup>th</sup> (Fri.)**. All the summaries will be compiled to be distributed to students at the reception on the first day of this subject.
- (4) Special lectures: One lecturer on May 21<sup>st</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

# **THE GUIDELINES OF THE SEMINAR “ACADEMIC COMMUNICATION OF SCIENCE I” IN 2020**

## **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**

14:00 May. 20 (Wed.), 2020 (reception procedures: 13:00~) — 12:00 May. 22 (Fri.), 2020 (3days)

## **3. MEETING PLACE & THE TIME**

**Place:** Large seminar room, Faculty of Agriculture, Tottori University  
4-101 Koyama-Minami Tottori-shi, Tottori 680-8553 Tel: 0857.31.5446

## **4. CONTENTS**

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

## **5. APPROVAL OF COMPLETION**

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

## **6. FEE OF MEMBERSHIP OF *DAISEN***

If you haven't paid yet, please bring 3,000yen in addition to the participation fees.

## **7. BAGGAGE**

Writing utensils, health insurance card, etc.

## **8. TRANSPORTATION EXPENSE, ETC.**

For the students who belong to Shimane or Yamaguchi University, UGSAS will support public transportation fee and accommodation fee.

Please be noted that the maximum price of transportation ticket UGSAS can support will be student discount price. Transportation fee between his/her accommodation and Tottori university cannot be supported.

Accommodation fee will be supported based on payment receipt. Maximum amount UGSAS can support will be JPY6000.

Pay your own medical expenses (in case of getting sick) and the cost of recompense (in case of your fault.) at you own expenses.

## **9. 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



2020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" 2020

場所: 鳥取大学連大セミナー室他

Place: UGSAS seminar room, Tottori University

		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20日 (水) May. 20 (Wed)							受付 Registration	開講式 Opening Ceremony	口頭発表 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.)		ポスター コアタイム①  Poster Presentation ①						
	第2日目 5月21日 (木) May. 21 (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.)	昼食 Lunch	ポスター コアタイム②  Poster Presentation ②	休憩 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』*	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: Discussion, writing, and research ethics』**									
	第3日目 5月22日 (金) May. 22 (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  プレゼンテーション賞発表 Presentation Award  アンケート記入 Questionnaire	★ 解散 Breakup												

\*『アカデミック・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』

\*\*『アカデミック・コミュニケーション「上級編」: ディスカッション、ライティングおよび科学倫理』

★記念撮影(12:00 玄関前集合・雨天時は玄関ホール)

Commemorative photo: In front of the Main Entrance at 12:00 (In case of rain, at Entrance Hall)

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.