1. Course Code

2283

2. Course Title

S13e: ICT4D Special Exercises 1

3. Teacher

YAMANAKA, Atsushi

4. Term

Fall 2

5. Course Requirements (Courses / Knowledge for this course) and Important Information

2251 Tankyu Practice

(Not required but highly recommended)
2286 Social Development

Or equivalent professional and/or experiences or approval from the lecturer

6. Course Overview and Objectives

Objective of the course is to gain professional understanding of abilities to create, implement, monitor, and evaluate viable and appropriate e-Governance and other ICTD project/programme through familiarizing real life cases of e-Governance and other ICTD projects/programme in developing countries. The course will be taught in "hands-on" way and will be conducted as a "practicum" which centers ample discussions among the participants rather than simple series of lectures. Students taking the practicum are expected to actively participate in the discussions and other interactions which are expected during the course of the practicum.

The first half of the two parts of the practicum is dedicated to 1) conceptual understanding of the ICT and e-gov, hostorical evolution of the ICTD and e-Gov, Identification of potential ICTD/e-Gov projects, understand current theories of development projects, creation of donor Matrix, Identification of group project, and coming up with realistic socio-economic challenges for the group projects. The class will ensure students to acquire required foundamental knowledge to compile realistic projects at the second half of the practicum.

The second half of the two parts of the practicum is dedicated to create group project document and to simulate how to sell the project to potential supporters.

7. Course Outline

1 Introduction to the ICT4D projects - e-Governance/e-Government
2 Defining ICT for Development and learn its history
3 Defining e-Governance and e-Government
4 Emerging Trends in e-Governance/Government
5 Keys to effective ICT4D/e-Governance and e-Government Solutions/Projects
6 Project Identification 1 - Stakeholder Analysis & Needs Assesment
7 Project Identifaction 2 - Problem Analysis and Objective/Outcomes/Impact Analysis
8 Project Development/Implementation Theories (Theory of change and others)
9 Presentation of Needs Assesment, Problem Analysis, and TOC
10 Society 5.0 & Digital Architecture
11 Presentation of Digital Architecture
12 Donor Trends & Resource Mobilization
13 Donor Matrix (presentation)
14 Introduction to the Project Document -1
15 Introduction to the Project Document -2

8. Textbooks (Required Books for this course)

TBD (Since this is practical course, no specific text book is assigned. However, reference/recommended project documents and other reading materials will be provided in lieu of the text books).

9. Reference Books (optional books for further study)

Various different reference materials will be provided during the course of the session.

10. Course Goals (Attainment Targets)

(1) Understand and internalize concept of ICTD and e-Governance/Government
(2) Familialize idea generation method of potential e-Gov/ICTD projects
(3) Familialize needs identification methods of potential e-Gov/ICTD projects
(4) Familialize developmental trends (donor support) of targetted countries
(5) Identify Group Project with associated socio-soconomic challenge(s)
(6) Understand basic components of Project Document
(7)
(8)

11. Correspondence relationship between Educational goals and Course goals

Educational goals of the school			Course Goals
High level ICT skills	Basic academic skills		
	Specialized knowledge and literacy		O
Human skill (Tankyu skill)	Ability to continually improve own strengths		O
	Ability to discover and resolve the problem in society	Problem setting	O
		Hypothesis planning	O
		Hypothesis testing	O
		Practice	O
	Fundamental Competencies for Working Persons	Ability to step forward	O
		Ability to think through	O
		Ability to work in a team	O
Professional ethics			O

12. Evaluation

Goals	Evaluation method & point allocation					
	Examination	Quiz	Reports	Presentation	Deliverables	Other
(1)				O	O	
(2)				O	O	
(3)				O	O	
(4)				O	O	
(5)						
(6)						
(7)						
(8)						
Allocation				40	60	

13. Evaluation Criteria

Examination	
Quiz	
Reports	
Presentation	Presentations of each assignments by individual and the group will be essential part of the class. participatin of each class discussions is also essential for this particular assesment criteria. Please note that during the online session, it is essential to turn on your video camera. Failure to turn on the video camera results to reduction of presentation/participation points

Deliverables	Students will compile several different deliverables during the course of the class. Students are required to present these assignments during the course of the class.
Other	Students are required to fully participate in the disucssion during the class.

14. Active Learning

Hourly percentage of active learning within the whole class time		100%
1	Active learning such as problem solving assignment using the knowledge and skills acquired in class.	All the time
2	Active learning such as group works and discussions.	All the time
3	Outcome presentations and feedbacks.	All the time
4	Students actively make decisions on how the class should be conducted.	All the time

15. Notes

*Please note that actual class schedule will be determined at later date.
** Please also note that the class schedule during the course of the session also fractuate considerably but will be determined through close consultations with the students.

The practicum course (part 1 and part 2) is designed to have intensive "in-person"" lectures/discussions during the first and last weeks of the school semesters (Spring 1st semesters and Spring 2nd semester). Those "in-person" sessions are expected to be supplemented by weekly on-line sessions which will be conducted from aboad where the course instructor has assignments in.

While the on-line portion of the course is expected to use video conferencing facility, the practicum participants must anticipate that the on-online portions of the course may encounter certain technical difficulties. This may force the lecturer to conduct voice only sessions or to conduct make-up sessions. In addition, the practicum participants are forewarned that the on-line portion of the practicum may need to be rescheduled due to the course lecturer's other engagements.

In such instances, the lecturer will make maximum efforts to propose a new schedule with the practicum participants at least one week prior to the originally scheduled course.

The practicum participants are expected to complete assignments/tasks every week and progress must be reported to the lecturer. Timely completions of assignments are critical for completing the final project document.

The lecturer will avail himself to the questions/concerns from the practicum participants through e-mail and other ICT tools throughout the course. Furthermore, during the "in-person" sessions, the practicum participants are encouraged to maximize the time and contact and co-mingle with the lecturer.

It is highly likely that the Syllabus and the deliverables will be amended during the course of the session according to the students' comprehension of course materials. In addition it is highly likely that the course will go over prescribed hours during the course of the session. Since the class is conducted in discussion and presentation format, each class usually lasts 2-3 hrs instead of regular 1hr30min. Please make note of that when subscribing to this class.

16. Course plan

(Notice) This plan is tentative and might be changed at the time of delivery

Lesson 1: Introduction to the ICT4D projects - e-Governance/e-Government	(Lecture/Disussion 90,min)

- Expectation for the course and explanation of practicum structure
- General Introduction among group and expectations for the class
- Introduction to the ICT4D and e-Governance/Government

Lesson 2: Defining ICT for Development and learn its history	(Lecture/Disussion 90,min)

- Conceptualize ICT and ICT For Development
- Learn global ICT for Development history

* Open discussion
history of ICT for Development and how international communities and different developing countries have taken up the ICT4D for their development until now

Lesson 3: Defining e-Governance and e-Government	(Lecture/Disussion/ Presentation 90,min)

- Conceptualize and internalize the definition of e-Governance and e-Government
   - Discuss difference between Governance and Government
   - Discuss difference between e-Governance and e-Government
* Open discussion of e-Governance and e-Government definition

Lesson 4: Emerging Trends in e-Governance/Government	(Lecture/Disussion/ Presentation 90,min)

Discuss emerging trends in the area of e-Governance/Government

 (Pandemic Mitigation, m-Government and m-Governance, Fintech, Big data/Open data, Deep Learning/AI, DPI/DPG, DFFT, etc..)

* Open discussion of emerging trends in e-Governance/e-Government and their impact to both developed and developing countries

* Presentation of ICT, ICT4D, e-Governance/Government concepts by students

Lesson 5: Keys to effective ICT4D/e-Governance and e-Government Solutions/Projects	(Lecture/Disussion/ Presentation 90,min)

Open discussion of key for effective e-Governance and e-Government solutions

* Importance of adequate resources, alignment to policy/plan/strategy, other considerations such as leadership, organizations/institutions, etc.

Lesson 6: Project Identification 1 - Stakeholder Analysis & Needs Assesment	(Lecture/Disussion/ Presentation 90,min)
Learn how to conduct project identification, especially stakeholder analysis and Needs Assesment * Open discussions of how to conduct project identification especially identifying and engaging with relevant stakeholders and conducting necessary needs assesment	

Lesson 7: Project Identifaction 2 - Problem Analysis and Objective/Outcomes/Impact Analysis	(Lecture/Disussion/ Presentation 90,min)
Learn how to conduct problem analysis based on needs analysis and create project objective, outcomes, impact associated with the needs and challenges of stakeholders. * Open discussions on how to conduct these activities	

Lesson 8: Project Development/Implementation Theories	(Lecture/Disussion/ Presentation 90,min)
Discuss different theories for project development and implementation. Introduction to Theory of Change, Logframe, etc.	

Lesson 9: Presentation of Needs Assesment, Problem Analysis, and TOC	(Lecture/Disussion/ Presentation 90,min)
Presentation of Needs Assesment, Problem Analysis, and TOC by the students (some of the presentations may be moved up in the earlier classes depending on the progress of the Course. Discussion of Donor Trends and introduction to the resource mobilization through "Donor Matrix"	

Lessen 10: Society 5.0 & Digital Architecture	(Lecture/Disussion/ Presentation 90,min)
Learn the concept of Society 5.0 and How to compile digital architecture model *Open discussion of digital architecture model and importance of data	

Lesson 11: Presentation of Digital Architecture	(Lecture/Disussion/ Presentation 90,min)
Students present digital architecture of potential projects	

Lesson 12: Donor Trends & Resource Mobilization	(Lecture/Disussion/ Presentation 90,min)

Learn latest donor trends in the area of ICT4D, e-Government/Governance area.
Learn how to conduct resource mobilization (learn how to compile donor matrix)

Lesson 13: Presentation of Donor Matrix	(Lecture/Disussion/ Presentation 90,min)

Students present donor matrix of their country of choice

Lesson 14:Introduction to the Project Document -1	(Lecture/Disussion/ Presentation 90,min)

Review different outlines/components of Project Document(s)

* Explanation of effective project documents (components and attributes)
* Presentation of sample e-Governance/e-Government project documents from major donors.
* Discussion of Outputs and Outcomes and respective indicators

Lesson 15: Introduction to the Project Document -2	(Lecture/Disussion/ Presentation 90,min)

Review different outlines/components of Project Document(s)

* Presentation of sample e-Governance/Government project documents from major donors (by students)
* Discussion of Outputs and Outcomes and respective indicators
* Presentation of sample project document templates from different donors
* Discussion"