

**1. Course Code**

2283

**2. Course Title**

S13e: ICT4D Special Exercises 1

**3. Teacher**

YAMANAKA, Atsushi

**4. Term**

Fall 1

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

2251 Tankyu Practice

2285 ICT for Development

(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 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 "hands-on" and will be conducted as a "practicum" with ample discussions rather than 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, historical 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 fundamental 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 e-Governance/e-Government Practicum
- 2 Definition of the ICT for Development and its history
- 3 Definition of e-Governance and e-Government
- 4 Emerging Trends in e-Governance/Government -1
- 5 Emerging Trends in e-Governance/Government -2
- 6 Keys to effective e-Governance and e-Government Solutions/Projects -1
- 7 Keys to effective e-Governance and e-Government Solutions/Projects -2
- 8 Project Development/Implementation Theories
- 9 Donor Trends and Donor Matrix
- 10 Identification of e-Governance/e-Government Programme/Projects -1
- 11 Identification of e-Governance/e-Government Programme/Projects -2
- 12 Identification of Group e-Governance/e-Government Programme/Projects
- 13 Needs Assessment of Group Projects (Problem/Challenge Identification)
- 14 Introduction to the Project Document -1
- 15 Introduction to the Project Document -2
- 16

### 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) Familiarize idea generation method of potential e-Gov/ICTD projects
- (3) Familiarize needs identification methods of potential e-Gov/ICTD projects
- (4) Familiarize developmental trends (donor support) of targeted countries
- (5) Identify Group Project with associated socio-economic 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	○	
Human skill (Tankyu skill)	Ability to continually improve own strengths	○	
	Ability to discover and resolve the problem in society	Problem setting	○
		Hypothesis planning	○
		Hypothesis testing	○
	Fundamental Competencies for Working Persons	Practice	○
		Ability to step forward	○
		Ability to think through	○
	Ability to work in a team	○	
	Professional ethics	○	

### 12. Evaluation

Goals	Evaluation method & point allocation					
	Examination	Quiz	Reports	Presentation	Deliverables	Other
(1)				○	○	
(2)				○	○	
(3)				○	○	
(4)				○	○	
(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. 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 on 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 discussion 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 fluctuate 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 abroad 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

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

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- Expectation for the course and explanation of practicum structure
- General Introduction among group and expectations for the class

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Lesson 2: Definition of the ICT for Development and its history (Lecture/Disussion 90,min)

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- Conceptualization of ICT and ICT For Development
- ICT for Development and its history

\* Open discussion

about history of ICT for Development and how international communities and different developing countries have taken until now

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

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- Conceptualization of 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

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Lesson 4: Emerging Trends in e-Governance/Government -1 (Lecture/Disussion/  
Presentation 90,min)

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Discussion about emerging trendssuch as utilizing mobile for development

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

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

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Lesson 5: Emerging Trends in e-Governance/Government -2 (Lecture/Disussion/  
Presentation 90,min)

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Discussion about emerging trendssuch as utilizing mobile for development

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

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

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Lesson 6: Keys to effective e-Governance and e-Government Solutions/Projects -1 (Lecture/Disussion/Presentation 90,min)

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

\* Importance of Leadership (organization, government, etc.)

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Lesson 7: Keys to effective e-Governance and e-Government Solutions/Projects -2 (Lecture/Disussion/Presentation 90,min)

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

\* Appropriate Technology vs Disruptive Technology (what would be the most effective ways of implementing e-Governance/e-Government projects/solutions?)

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Lesson 8: Project Development/Implementation Theories (Lecture/Disussion/Presentation 90,min)

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Discuss different theories for project development and implementation.

Introduction to Theory of Change, Logframe, etc.

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Lesson 9: Donor Trends and Donor Matrix (Lecture/Disussion/Presentation 90,min)

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Discussion of Donor Trends and introduction to the resource mobilization through "Donor Matrix"

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Lesson 10: Identification of e-Governance/e-Government Programme/Projects -1 (Lecture/Disussion/Presentation 90,min)

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Identification of e-Government/e-Governance projects

\* Review of sample e-Governance projects from various different donors

\* Discuss the difference between Programme and Projects

\* Discussion of potential e-Government/e-Governance projects

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Lesson 11: Identification of e-Governance/e-Government Programme/Projects -2 (Lecture/Disussion/Presentation 90,min)

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Identification of e-Government/e-Governance projects

Presentation of Tankyu charts for potential projects and class review

\* Open Discussion

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Lesson 12: Identification of Group e-Governance/e-Government Programme/Projects (Lecture/Disussion/Presentation 90,min)  
Presentation and Review of identified Group Project.

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Lesson 13: Needs Assesment (Problem/Challenge Identification) (Lecture/Disussion/Presentation 90,min)  
Review methodology for conducting effective needs assesment of socio-economic challenges.

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

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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

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

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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"
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